

Battery charger 18V for UAP332 pressing machine

Dimension	Pcs. pack	Code	Price €
	1	28122054	484,70

Spare part for pressing machine UAP2 (12V)

Model	Pcs. pack	Code	Price €
Battery 12V	1	28101804	450,80

Spare part for bending pipe

Dimension	Pcs. pack	Code	Price €
Bending pipe tool Ø 16	1	28104002	94,43
Bending pipe tool Ø 20	1	28104006	97,02
Bending pipe tool Ø 26	1	28100922	137,80
Bending pipe tool Ø 32	1	28100924	151,10
Counterform Ø 14-16	1	28104010	135,10
Counterform Ø 18-20	1	28104012	135,10
Counterforn Ø 26	1	28100926	135,70
Counterform Ø 32	1	28100928	218,70

Spare parts for Emmeti Plasterboard - plasterboard system

Dimension	Pcs. pack	Code	Price €
Quick connector replacement kit 8x1	1	28134318	6,86
Quick connector replacement kit 20x2	1	28134319	6,81



Lockshield kit for Topway and Floor Mixing Unit

Dimension	Thread	Pcs. pack	Code	Price €
For 1" collector (*)	24x19	4	01306116	11,89
For 1"1/4 collector (*)	24x19	4	01306124	12,64
1" cut-off seat	24x19	1	90038600	3,90
1" 1/4 cut-off seat	24x19	1	90038610	4,81
1" cut-off seat	3/4" Eurocone	1	90038620	5,65
1" 1/4 cut-off seat	3/4" Eurocone	1	90038630	6,24
1/2" thermometer well		1	90026530	4,41

(*) It is suitable for Floor Mixing Unit

Screw kit for Multiplex manifold

Dimension	Pcs. pack	Code	Price €
	1	01307220	5,37

Screw kit for Topsan and Topway M manifold

Dimension	Pcs. pack	Code	Price €
3/4"	1	01306838	5,18
1"	1	01306840	5,56

Spare parts for metal boxes Metalbox and Metalbox Plus with lock in PLASTIC

Dimension	Pcs. pack	Code	Price €
Guide for box H 600 - H 700 - H 850 with 2 screws M8 x 13 (*)	1	90069270	8,63
Guide for box H 600 - H 700 - H 850 with 4 screwsx M8 x 13	1	90069280	9,52
Screwdriver lock in plastic (*)	1	90065030	12,01
Screwdriver lock in metal	1	90067990	20,79
Key lock in plastic (*)	1	90065020	35,12
Frame / Door for Metalbox Plus L 1200 with lock with screwdriver cut in plastic (*)	1	01301360	126,60
Frame / Door for metal box H 850 / L 500 with lock with screwdriver cut in plastic (*)	1	01301362	87,90
Frame / Door for metal box H 850 / L 700 with lock with screwdriver cut in plastic (*)	1	01301364	112,00
Door for external metal box H 700 / L 1000 with lock with screwdriver cut in plastic (*)	1	01301380	178,20

(*) Items to be out of stock

Spare parts for metal boxes Metalbox and Metalbox Plus with lock in METAL

Size	Pcs. pack	Code	Price €
Guide for box H 600 - H 700 - H 850 with 2 screws M8 x 13 (*)	1	90069270	8,63
Guide for box H 600 - H 700 - H 850 with 4 screwsx M8 x 13	1	90069280	9,52
Frame/Door for Metalbox Plus L 500 with screwdriver lock in metal code 01301450	1	01301500	69,29
Frame/Door for Metalbox Plus L 600 with screwdriver lock in metal code 01301452	1	01301502	76,93
Frame/Door for Metalbox Plus L 700 with screwdriver lock in metal code 01301454	1	01301504	86,53
Frame/Door for Metalbox Plus L 850 with screwdriver lock in metal code 01301456	1	01301506	107,30
Frame/Door for Metalbox Plus L 1000 with screwdriver lock in metal code 01301458	1	01301508	116,20
Frame/Door for Metalbox Plus L 1200 with screwdriver lock in metal code 01301460	1	01301510	133,40
Frame/Door for Metalbox H 850 / L 500 with screwdriver lock in metal code 01301470	1	01301512	92,67
Frame/Door for Metalbox H 850 / L 700 with screwdriver lock in metal code 01301472	1	01301514	118,00
Frame/Door for Metalbox H 850 / L 850 with screwdriver lock in metal code 01301474	1	01301516	147,20
Frame/Door for Metalbox H 850 / L 1000 with screwdriver lock in metal code 01301476	1	01301518	160,10
Frame/Door for Metalbox H 850 / L 1200 with screwdriver lock in metal code 01301478	1	01301520	185,10
Door for external Metalbox H 700 / L 500 with screwdriver lock in metal code 01301480	1	01301522	117,00
Door for external Metalbox H 700 / L 700 with screwdriver lock in metal code 01301482	1	01301524	143,70
Door for external Metalbox H 700 / L 850 with screwdriver lock in metal code 01301484	1	01301526	174,40
Door for external Metalbox H 700 / L 1000 with screwdriver lock in metal code 01301486	1	01301528	187,80
Door for external Metalbox H 700 / L 1200 with screwdriver lock in metal code 01301488	1	01301530	249,10
Metal key lock	1	90067980	48,47
Metal screwdriver lock	1	90067990	20,79

Spare parts for Metalbox metal cabinets

Description	Pcs. pack	Code	Price €
Guide for box H630 with2 screws M8x25 (Floor Controlbox, Floor Control Unit, Firstbox)	1	90020200	18,48
Guide for box H630 with 4 screws M8x14 (Energy Box e Energy First Box)	1	90041250	18,48
Guide for box H900 with 6 screws M8x14	1	01301150	23,82
For metal cabinets H630/P90 Opening 450 for Topway manifolds up to 1"			
Frame/door key lock for metal cabinet L 500 code 01301040 (*)	1	01301060	95,92
For metal cabinets H630/P110 Openin 450 for Floor Controbox-Floor Control Unit-Topway up to 1"1/4			
Frame/door key lock for metal cabinet L 500 code 01301030 (*)	1	01301060	95,92
For metal cabinet H630/P110 Opening 505 for Energy Box-Energy Firstbox-Firstbox			
Frame/door key lock flush with wall for cabinet L 600 code 01301110 (*)	1	01301140	106,40
For metal box H900/P110 Opening720 for all mixing groups			
Frame/door lock with screwdriver flush with wall for cabinet L 700 code 01301192 (*)	1	01301182	234,30

(*) Flush with wall

Spare parts for Termobox plastic boxes

Dimension	Pcs. pack	Code	Price €
Cover for cabinet 310 x 310 x 90	1	90019410	10,13
Cover for cabinet 460 x 310 x 90	1	90019470	13,82
Cover for cabinet 610 x 310 x 90	1	90019530	17,30

Spare parts for motorized valves

Spare parts for motorized ball valves Modulo Compact and Modulo Plus

Dimension	Pcs. pack	Code	Price €
Nut nickel p. 1" ch.37 for mot. val. 3/4"	1	09208903	3,31
Nut nickel p. 1"1/4 ch.52 for mot. val. 1"	1	09208910	5,45
Nut nickel p. 1"1/2 ch.47 for mot. val. 1"1/4	1	09208914	5,78
Nut nickel p. 2" ch.64 for mot. val. 1"1/2	1	09208916	15,38
Nut nickel p. 2"1/2 ch.80 for mot. val.. 2"	1	09208918	23,60
Tang nickel p. 1/2" flat seat for mot. val.. 1/2"	1	4874R004	2,75
Tang nickel p. 3/4" flat seat for mot. val.. 3/4"	1	4874R005	4,27
Tang nickel p. 1" flat seat for mot. val. 1"	1	4874R006	5,78
Tang nickel p. 1"1/4 flat seat for mot. val. 1"1/4	1	4874R007	11,13
Tang nickel p. 1"1/2 flat seat for mot. val. 1"1/2	1	4874R008	22,08
Tangnickel p. 2" flat seat for mot. val. 2"	1	4874R009	45,62
Flat seat for nut 1"	1	4974G005	0,51
Flat seat for nut 1"1/4	1	4974G006	0,82
Flat seat for nut 1"1/2	1	4974G007	0,85
Flat seat for nut 2"	1	4974G008	1,60
Flat seat for nut 2"1/2	1	4974G009	2,20



Flange and rod for motorized ball valves

Dimension	Pcs. pack	Code	Price €
1/2" - 3/4"	1	01306330	6,64
1" - 1"1/4	1	01306332	6,64
1"1/2 - 2"	1	01306334	11,15

Flange and rod for valve ISO 5211

Dimension	Pcs. pack	Code	Price €
1/2" - 3/4"	1	01306340	6,64
1" - 1"1/4	1	01306342	8,65
1"1/2 - 2"	1	01306344	11,13

Circulator pumps spare parts for mixing and regulation groups

Variable speed circulator spare part, for Floor Controlbox, TM3-R and Modular Firstbox groups

Dimension	Pcs. pack	Code	Price €
Circulator pump Para 25-130/7-50/SC h 12	1	00710550	258,70

Circulator pump spare part for Floor Control Unit Plus / HE groups

Dimension	Pcs. pack	Code	Price €
Circulator Wilo Para HU 15/7	1	00710190	294,30

Spare parts for consumption measuring instruments

Spare part for volumetric counters DN15-DN20

Dimension	Pcs. pack	Code	Price €
Pulse emitter for volumetric counters DN15-DN20	1	02709168	23,00

Spare part for energy meters DN15 and DN20

Dimension	Pcs. pack	Code	Price €
O-Ring for flow sensor energy meters DN15 and DN20	1	90041140	0,11
Communication module M-Bus for energy meter EVO	1	02709574	54,23
Module 3 impulse inlet for energy meter EVO	1	02709576	39,96
Spare battery for energy meter	1	02709578	60,18

Poker tooling



Shutter for thermostatic valve

Dimension	Pcs. pack	Code	Price €
	20	01306094	6,30

For conversion from Poker manual to Thermostatic



"Rapido" tool box for conversion and maintenance of Poker valves

Dimension	Pcs. pack	Code	Price €
Tool box "Rapido" (*)	1	01306066	272,10

(*) Item to be out of stock



Spanner kit 3/8"-1/2"-3/4"-1"

Dimension	Pcs. pack	Code	Price €
	1	01306056	272,10

Item to be out of stock



Kit exagonal keys 10 - 12

Dimension	Pcs. pack	Code	
	1	01306048	89,95

Item to be out of stock

Spare parts for Poker / Full valves and lockshields

Dimension	Pcs. pack	Code	Price €
Manually valve handle	10	90003680	0,82
Thermostizable handle valve	10	01306092	1,18
Cap for thermostatizable valve	10	90067520	0,41
Cap for lockshield	10	90003690	0,14
Kit nut for long tang 1/2" for straight angle Poker	20	01306076	3,11
Kit nut and tang 3/8" (*)	20	01306562	2,38
Kit nut and tang 3/8" + O-ring (*)	20	01306079	3,31
Kit nut and tang 1/2" (*)	20	01306560	2,75
Kit nut and tang 1/2" + O-ring (*)	20	01306081	3,95
Kit nut 24x19 and reduced tang 3/8 (**)	20	01306556	3,56
Kit nut 24x19 and reduced tang 3/8" + O-ring (**)	20	01306558	3,61
Kit nut / tang 3/4" + O-Ring for Full 3/4"	5	01306606	8,26

(*) Poker - Full
(**) Full only

Spare parts for Tris valves and lockshields

Dimension	Pcs. pack	Code	Price €
Handle for Tris 2 (thermostatizable) (*)	1	90004250	2,24
White pressure reducer handle (*)	1	90000991	0,38
Kit nut and tang for 3/8" (*)	24	01306070	2,98
Kit nut and tang for 3/8" o-ring (*)	20	01306350	4,39
Adapter for Sensor head assembly on Tris 2 Thermostatic valves	1	90001716	0,43

(*) Items to be out of stock

Spare parts for Progress ball valves

Dimension	Pcs.pack	Code	Price €
Black lever handle 1/4" - 3/4"	1	09008901	1,06
Black lever handle 1" - 1"1/4	1	09008902	1,29
Black lever handle 1" 1/2 - 2"	1	09008903	2,13
Black butterfly handle 1/4" - 3/4"	1	09008215	1,18
Black butterfly handle 1" - 1"1/4	1	09008225	1,52

Spare parts for Pesante and Export ball valves

Dimension	Pcs. pack	Code	Price €
Lever for Pesante valve 3/8" and Export 1/2" - 3/4"	1	09008961	0,73
Lever for Pesante valve 1/2" - 3/4"	1	09008081	0,65
Lever for Pesante valve 1" - 1"1/4	1	09008082	1,19
Lever for Export valve 1"1/2 - 2"	1	09008963	1,56
Lever for valve 2"1/2 - 3"	1	09008212	5,03
Butterfly for Pesante valve 3/8" - 3/4" and Export 1/2" - 3/4"	1	09008216	0,76
Butterfly for Pesante valve 1" - 1"1/4 and Export 1" - 1"1/4	1	09008226	0,91

Accessories for Progress, Pesante and Export ball valves

Dimension	Pcs. pack	Code	Price €
Extension kit 1/2" - 3/4"	20	09815190	2,01
Extension kit 1" - 1"1/4	15	09815192	2,58
Extension kit 1" 1/2 - 2"	10	09815194	3,21
Extension kit 2"1/2 - 3"	10	09815196	4,43

Spare parts for with hose-end bibcocks

Dimension	Pcs. pack	Code	Price €
Swiwel union 1/2"	1	09214012	1,14
Swiwel union 3/4"	1	09214034	1,69
Hose-end 1/2"	1	09211012	0,85
Hose-end 3/4"	1	09211034	1,24
Gasket 1/2"	1	09003104	0,14
Gasket 3/4"	1	09013034	0,16

Spare parts for built-in bibcocks

Dimension	Pcs. pack	Code	Price €
Hand wheel	1	4433C004	8,28
Cromed plate for hand wheel	1	5543C004	0,70
Blue ring for hand wheel	1	5541P004	0,21
Red ring for hand wheel	1	5542P004	0,21
Lever screw	1	4761Z504	0,04
Bell for socket tap	1	09215014	2,86
Cap for socket tap	1	5534C004	8,19
Cromed lever for socket tap	1	99800198	9,86
Rosette for socket tap	1	09215015	2,47

Spare parts for Futurgas ball valves

Dimension	Pcs. pack	Code	Price €
Lever handle 1" ÷ 1"1/4	1	4324T006	1,49
Lever handle 1"1/2 ÷ 2"	1	4324T008	2,82
Butterfly handle 1/4" ÷ 3/4"	1	4605T004	0,88
Butterfly handle 1" ÷ 1"1/4	1	4605T006	1,03

Coils for solenoid valves with manual re-activation normally open and normally closed

Model	Solenoid valve code	Power supply voltage	Coil stamping	Pcs. pack	Spare coil code	Price €
M16/RM N.C. DN20÷DN50 M16/RMO N.C. DN15÷DN25	00309054 / 00309056 00309058 / 00309060 00309062 / 00309050 00309052 / 00309057	230 Vac	BO-0050 220 V RAC	1	00308312	20,34
M16/RM N.C. DN65÷DN200	00309064 / 00309066 00309068	230 Vac	BO-0325 V 196 DC W18	1	00308314	87,14
M16/RMO N.A. DN15÷DN25	00308504	230 Vac	BO-0120 230 V 50÷60 Hz V	1	00308332	48,93
M16/RMO N.A. DN15÷DN20	00308500 / 00308502	230 Vac	BO-0830 230 V 50÷60 Hz	1	00308330	24,85

N.A. = Normally Open
N.C. = Normally Closed
RM = Aluminium Manual Reset
RMO = Brass Manual Reset

Connector for solenoid valve

Model	Pcs. pack	Code	Price €
Connector CN-0010 for solenoid valve RM/N.A.	1	00308307	3,58
Connector CN-0045 with rectifier for solenoid valve RM/N.C.	1	00308304	30,73

N.A.= Normally Open
N.C. = Normally Closed
RM = Aluminium Manually Re-activation
RMO = Brass Manually Re-activation

Components for tanks ETW - HEVS - HEVSN - HYBV - HE2V - Euro V - EURO HPV - Comfort V - Storage tanks V - EB - Puffer - Tank in Tank (covers)

Dimension	Pcs. pack	Code	Price €
Cover for ETW 25, ETW 50, ETW 60 (*)	1	92891182	43,63
Cover for ETW 100, ETW 120 (*)	1	92891184	42,57
Cover for ETW 200	1	92891388	49,44
Cover for HEVS 300, HEVSN 300	1	92891170	57,71
Cover for HYBV 300	1	92891186	57,17
Cover for Puffer 300 N, Puffer 300 N 1S	1	92891470	45,37
Cover for HE2V 200/300 - Euro V 150/200/300 - Euro HPV 200/300 - Comfort V 200/300 - Accumulation tank V 300 - EB 300 S15 A50	1	92891086	55,84
Cover for HEVS 500, HYBV 500, HEVSN 500, EB 500 S18 AS50 2016	1	92891084	79,64
Cover for HE2V 500 - Euro V 500 - Euro HPV 500 - Comfort V 500 - Accumulation tank V 500 - EB 500 S18 A50	1	92891172	76,36
Cover for 500 N, Puffer 500 N 1S	1	92891472	52,62
Cover for Tank in Tank 600 N 1S, Tank in Tank 600 N 2S	1	92891436	66,53
Cover for HE2V 750/1000 - Euro HPV 1000 - Comfort V 750/1000 - Accumulation tank V 750/1000, Tank in Tank 1000 N, Tank in Tank 1000 N 1S, Puffer 1000 N, Puffer 1000 N 1S	1	92891144	115,10
Cover for HE2V 1500 - Comfort V 1500 - Comfort S 1500 - Accumulation tank V 1500, Puffer 1500 N, Puffer 1500 N 1S	1	92891174	149,50
Cover for HE2V 2000 - Comfort V 2000 - Comfort S 2000 - Accumulation tank V 2000, Puffer 2000 N, Puffer 2000 N 1S	1	92891176	271,20
Cover for Comfort V 3000 - Comfort S 3000	1	92891346	310,00
Flange cover for HEVS 300 / 500 - HE2V 200 / 300 / 500 - Euro V 150 / 200 / 300 / 500 - Euro HPV 200 / 300 / 500 - HYBV 300 / 500	1	92891300	35,67
Flange cover for HE2V 750 / 1000 - Euro HPV 1000	1	92891302	33,42
Flange cover for HE2V 1500 / 2000 - Comfort V 200 / 300 / 500 - Comfort V 750 / 1000 / 1500 / 2000 / 3000 - Comfort S 1500 / 2000 / 3000 - Accumulation tank V 2000	1	92891304	40,11

(*) Specify whether for 50/100 or 60/120 models.

Components for tanks ETW - HEVS - HEVSN - HYBV - HE2V - Euro V - EURO HPV - Comfort V - Accumulation tank V - EB - Puffer - Tank in Tank (gaskets, serpentine kit removable, flanges, anode, stainless steel pipe, rosettes, brackets)

Size	Pcs. pack	Code	Price €
Gasket for flange HEVS 300 / 500 - HE2V 200 / 300 / 500 - HYBV 300 / 500 - Euro V 150 / 200 / 300 / 500 - Euro HPV 200 / 300 / 500 - LS 08 - LS 12 - KRE 180A	1	02791502	7,01
Gasket for flange HE2V 750 / 1000 - Euro HPV 1000 - KRE 180	1	02791512	11,69
Gasket for flange HE2V 1500 / 2000 - Comfort V 200 / 300 / 500 - Comfort V 750 / 1000 / 1500 / 2000 / 3000 - Comfort S 1500 / 2000 / 3000 - EB 300 S15 A50 - EB 500 S18 A50 - KRE 290 - LN 12, 18, 26, 32, 45, 63	1	02791514	18,40
Removable coil kit for EB 300 S15 A50 - EB 500 S18 A50 (*)	1	02791522	2.934,00
Upper flange D. 290 for Tank in Tank	1	92891438	157,30
Upper flange for EB 300 S15 A50 - EB 500 S18 A50	1	02791518	101,60
Blind flange kit for HEVS 300 / 500 - HE2V 200 / 300 / 500 - HYBV 300/500 - Euro HPV 200 / 300 / 500 - Euro V 150 / 200 / 300 / 500	1	02791504	141,70
Blind flange kit for HE2V 750 / 1000 - Euro HPV 1000	1	02791506	171,00
Blind flange kit for HE2V 1500 / 2000 - Comfort C2F V 200 / 300 / 500 - Comfort C3F V 750 / 1000 / 1500 / 2000 / 3000 - Comfort C3F S 1500 / 2000 / 3000	1	02791508	226,60
Magnesium anode D. 32 x 400 - 1"1/4 for Tank in Tank	1	92891444	36,29
Stainless steel tube D. 20 x 0,4 x 350 for Tank in Tank	1	92891446	18,16
Stainless steel tube D. 20 x 0,4 x 1320 for Tank in Tank	1	92891448	42,33
Black rosette for connections 1/2"	1	92891306	1,74
Black rosette for connections 3/4"	1	92891308	1,74
Black rosette for connections 1"	1	92891310	1,74
Black rosette for connections 1"1/4	1	92891312	1,74
Black rosette for connections 1"1/2	1	92891314	1,74
Blind black rosette for connection anode 1"1/4	1	92891316	1,74
Blind black rosette for connection anode 1"1/2	1	92891318	1,74
Red rosette for connections 3/4"	1	92891324	1,74
Red rosette for connections 1"	1	92891320	1,74
Blue rosette for connections 3/4"	1	92891326	1,74
Blue rosette for connections 1"	1	92891322	1,74
External bracket for ETW (for models up to 120)	1	92891476	27,23

(*) Supplied with gaskets, cover for flange, bolts and nuts.

Components for tanks ETW - HEVS - HEVSN - HYBV - HE2V - Euro V - EURO HPV - Comfort V - Accumulation tank V - EB - Puffer - Tank in Tank (casing)

Size	Pcs. pack	Code	Price €
Casing for ETW 25 (coating only)	1	92891474	96,77
Casing for ETW 50, ETW 60 (coating only)	1	92891164	147,60
Casing for ETW 100, ETW 120 (coating only)	1	92891166	157,20
Casing for Euro V 150 (coating only)	1	92891330	176,00
Casing for ETW 200 (coating only)	1	92891390	281,00
Casing for ETW 280 (coating only)	1	92891478	195,60
Casing for HE2V 200 - Euro V 200 - Euro HPV 200 (coating only)	1	92891036	212,50
Polyester casing for Comfort V 200, Comfort V 200 2018 (insulation + coating)	1	92891508	665,30
Casing for HEVS 300 (coating only)	1	92891092	296,40
Casing for HEVSN 300 (coating only)	1	92891382	321,00
Casing for HYBV 300 (coating only)	1	92891372	330,20
Casing for HE2V 300 - Euro V 300 - Euro HPV 300 (coating only)	1	92891034	258,70
Polyester casing for Comfort V 300, Comfort V 300 2018 (insulation + coating)	1	92891510	695,20
Polyester casing for accumulation tank V 300, V 300 2018 (insulation + coating)	1	92891522	609,20
Casing for EB 300 S15 A50 (coating only)	1	92891160	254,30
Casing for EB 300 S15 A50 2018 (coating only)	1	92891426	277,90
Polyester casing for Puffer 300 N (insulation + coating)	1	92891450	447,60
Polyester casing for Puffer 300 N 1S (insulation + coating)	1	92891460	459,60
Casing for HEVS 500 (coating only)	1	92891094	331,40
Casing for HEVSN 500 (coating only)	1	92891384	329,10
Casing for HYBV 500 (coating only)	1	92891374	378,40
Casing for HE2V 500 - Euro V 500 - Euro HPV 500 (coating only)	1	92891038	310,90
Casing for Comfort V 500, V 500 2017, V 500 2018 (insulation + coating)	1	92891512	811,00
Polyester casing for accumulation tank V 500, V 500 2017, V 500 2018 (insulation + coating)	1	92891524	728,90
Casing for EB 500 S18 A50 (coating only)	1	92891162	321,40
Casing for EB500 S18 AS50 2016 (coating only)	1	92891386	353,30
Casing for Puffer 500 N (insulation + coating)	1	92891452	532,30
Polyester casing for Puffer 500 N 1S (insulation + coating)	1	92891462	562,50
Polyester casing for Tank in Tank 600 N 1S (insulation + coating)	1	92891428	659,20
Polyester casing for Tank in Tank 600 N 2 S (insulation + coating)	1	92891432	677,30

Components for tanks ETW - HEVS - HEVSN - HYBV - HE2V - Euro V - EURO HPV - Comfort V - Accumulation tank V -EB - Puffer - Tank in Tank (casing)

Size	Pcs. pack	Code	Price €
Polyester casing for HE2V, HE2V 750 2017, HE2V 750 2018 (insulation + coating)	1	92891500	1.068,00
Polyester casing for Comfort V 750, V 750 2017, V 750 2018 (insulation + coating)	1	92891514	1.119,00
Polyester casing for Accumulation tank V 750, V 750 2017, V 750 2018 (insulation + coating)	1	92891526	994,10
Polyester casing for HE2V 1000, HE2V 1000 2017, HE2V 1000 2018 (*) (insulation + coating)	1	92891502	1.226,00
Polyester casing for Comfort V 1000, V 1000 2017, V 1000 2018 (insulation + coating)	1	92891516	1.261,00
Polyester casing for Accumulation tank V 1000, V 1000 2017, V 1000 2018 (insulation + coating)	1	92891528	1.138,00
Polyester casing for Euro HPV 1000, HPV 1000 2017, HPV 1000 2018 (insulation + coating)	1	92891542	1.289,00
Polyester casing for Puffer 1000 N (insulation + coating)	1	92891454	828,50
Polyester casing for Puffer 1000 N 1S (insulation + coating)	1	92891464	852,70
Polyester casing for Tank in Tank 1000 N 1S (insulation + coating)	1	92891430	876,90
Polyester casing for Tank in Tank 1000 N 2S (insulation + coating)	1	92891434	895,00
Polyester casing for HE2V 1500, HE2V 1500 2017, HE2V 1500 2018 (*) (insulation + coating)	1	92891504	1.622,00
Polyester casing for Comfort V 1500, V 1500 2017, V 1500 2018 (insulation + coating)	1	92891518	1.535,00
Polyester casing for Comfort S 1500, S 1500 2017, S 1500 2018 (insulation + coating)	1	92891536	1.704,00
Polyester casing for Accumulation tank V 1500, V 1500 2017, V 1500 2018 (insulation + coating)	1	92891530	1.410,00
Polyester casing for Puffer 1500 N (insulation + coating)	1	92891456	1.029,00
Polyester casing for Puffer 1500 N 1S (insulation + coating)	1	92891466	1.059,00
Polyester casing for HE2V 2000, HE2V 2000 2017, HE2V 2018 (*) (insulation + coating)	1	92891506	1.970,00
Polyester casing for Comfort V 2000, V 2000 2017, V 2000 2018 (insulation + coating)	1	92891520	1.849,00
Polyester casing for Comfort S 2000, S 2000 2017, S 2000 2018 (insulation + coating)	1	92891538	2.053,00
Polyester casing for Accumulation tank V 2000, V 2000 2017, V 2000 2018 (insulation + coating)	1	92891532	1.766,00
Polyester casing for Puffer 2000 N (insulation + coating)	1	92891458	1.284,00
Polyester casing for Puffer 2000 N 1S (insulation + coating)	1	92891468	1.320,00
Polyester casing for Comfort V 3000, V 3000 2018 (insulation + coating)	1	92891534	2.106,00
Polyester casing for Comfort S 3000, S 3000 2018 (insulation + coating)	1	92891540	2.476,00
Polyester casing for EB 1000 (insulation + coating)	1	92891544	1.295,00
Polyester casing for EB 1500 (insulation + coating)	1	92891546	1.596,00

(*) Supplied with: cover, rosette and flange cover

Spare parts for exchanger kit model LN and LS

Dimension	Pcs. pack	Code	Price €
Kit electric joints for heat exchangers 3/4" F - 1" M (models LS 08 - LS 12 - LN 18 - LN 26 - LN 32)	1	02790700	57,96
Kit electric joints for heat exchangers 1" F - 1"1/4 M (models LN 45 - LN 63)	1	02790702	79,59

Supplied with reductions, rings for flange, nuts, brass washers and O-ring.



Heating coils with assembly kit (complete with flange, gasket, fittings, thermostat and thermometer) for Euro, Comfort and HE1 boilers

Dimension	Capacity (l)	Pcs. pack	Code	Price €
L 14 (*)	150÷3000	1	02790500	572,80
L 18 (*)	150÷3000	1	02790510	883,00
L 25 (*)	500÷3000	1	02790520	1.042,00
L 30 (*)	750÷3000	1	02790530	1.143,00
Blind flange kit DN 200		1	02790900	105,30

(*) in finned copper

Items to be out of stock

Components for Tanks Euro, HE1, Comfort, Accumulation tanks and Heating exchangers

Dimension	Pcs. pack	Code	Price €
Kit 2 fittings for L14 - L18 - L25 - L30 - S200 - D200	1	02790284	38,76
Fitting for coil 3/4" L 135 mm	1	92790184	13,36
Kit 2 fitting for L45 - L55	1	02790287	80,58
Coating coupled sky for lt. 150	1	92890760	118,40
Coating coupled sky for lt. 200	1	92890770	126,90
Coating coupled sky for lt. 300	1	92890780	134,50
Coating coupled sky for lt. 500	1	92890790	215,20
Kit 12 screws M12, washers and nut (galvanized)	1	02790282	13,08
Headset with 3 bosses for Emmeti flange	1	92790154	10,39
Polyurethane disc for casing	1	92790153	2,69
Flange Emmeti perforated D. 30x90 enamelled for sleeve	1	02791146	173,90
Flange Emmeti perforated D. 30x90 with support enamelled for sleeve	1	02791151	105,20
Flange Emmeti perforated D. 48,5x90 with support enamelled for sleeve	1	02791156	193,90
Gasket for flange	1	02790300	14,64
Kit flexible insulation grey for 750 lt C3F	1	92890801	794,20
Kit flexible insulation grey for 1000 lt C3F	1	92890810	920,80
Kit flexible insulation grey for 1500 lt C3F	1	92890820	912,40
Kit flexible insulation grey for 2000 lt C3F	1	92890830	1.057,00
Kit flexible insulation grey for 3000 lt C3F	1	92890840	1.108,00
Kit flexible insulation grey for 750 lt S	1	92890871	794,20
Kit flexible insulation grey for 1000 lt S	1	92890880	920,80
Kit flexible insulation grey for 1500 lt S	1	92890891	912,40
Kit flexible insulation grey for 2000 lt S	1	92890901	1.057,00
Kit flexible insulation grey for 3000 lt S	1	92890911	1.108,00
Kit flexible insulation grey for Tank in Tank 600 lt with code 02704910	1	92891018	780,30
Kit flexible insulation grey for 600 with code 02704992	1	92891116	773,30
Kit flexible insulation grey for Tank in Tank 1000 lt with code 02704930	1	92891022	1.143,00
Kit flexible insulation grey for Tank in Tank 1000 lt with code 02704932 and 02704996	1	92891114	1.227,00

Spare parts for Top - Eco - Eco+ reducers

Dimension	Pcs. pack	Code	Price €
Kit pressure reducer mechanics 1/2" - 3/4" (*)	1	90038812	14,61
Kit pressure reducer transparent tap with pie union 1/2" - 3/4" (*)	1	90038818	6,38
Kit pressure reducer brass tap without pipe union 1/2" - 3/4" (*)	1	90038820	7,90
Kit pressure reducer mechanics Eco+	1	90032252	12,08

(*) Item to be out of stock

Controlpump spare parts

Dimension	Pcs. pack	Code	Price €
Electronic plate	1	90002160	60,32
Membrane group	1	90002170	10,11

Varia spare parts

Dimension	Pcs. pack	Code	Price €
Bubble-breaker	1	90000390	0,16

Tecno-Varia spare parts

Dimension	Pcs. pack	Code	Price €
Automatic vent gray cap	1	00400900	0,95
Automatic vent black cap	1	00400902	1,79

Spare cartridge for safety group

Dimension	Pcs. pack	Code	Price €
Cartridge	1	00200710	7,43

Membrane for expansion vessels

Dimension		Pcs. pack	Code	Price €
L. 8	EPDM	1	00806014	33,84
L. 16-18-24	EPDM	1	00806024	37,30
L. 35 ÷ 50	EPDM	1	00806050	87,14
L. 60 ÷ 80 ÷ 100	EPDM	1	00806100	194,00
L. 150-200	EPDM	1	00806200	378,80
L. 300	EPDM	1	00806210	569,50

Kit for thermostatic regulation

Dimension	Pcs. pack	Code	Price €
Thermostatic head	1	90046770	38,45
Socket 1/2"	1	90056420	16,11



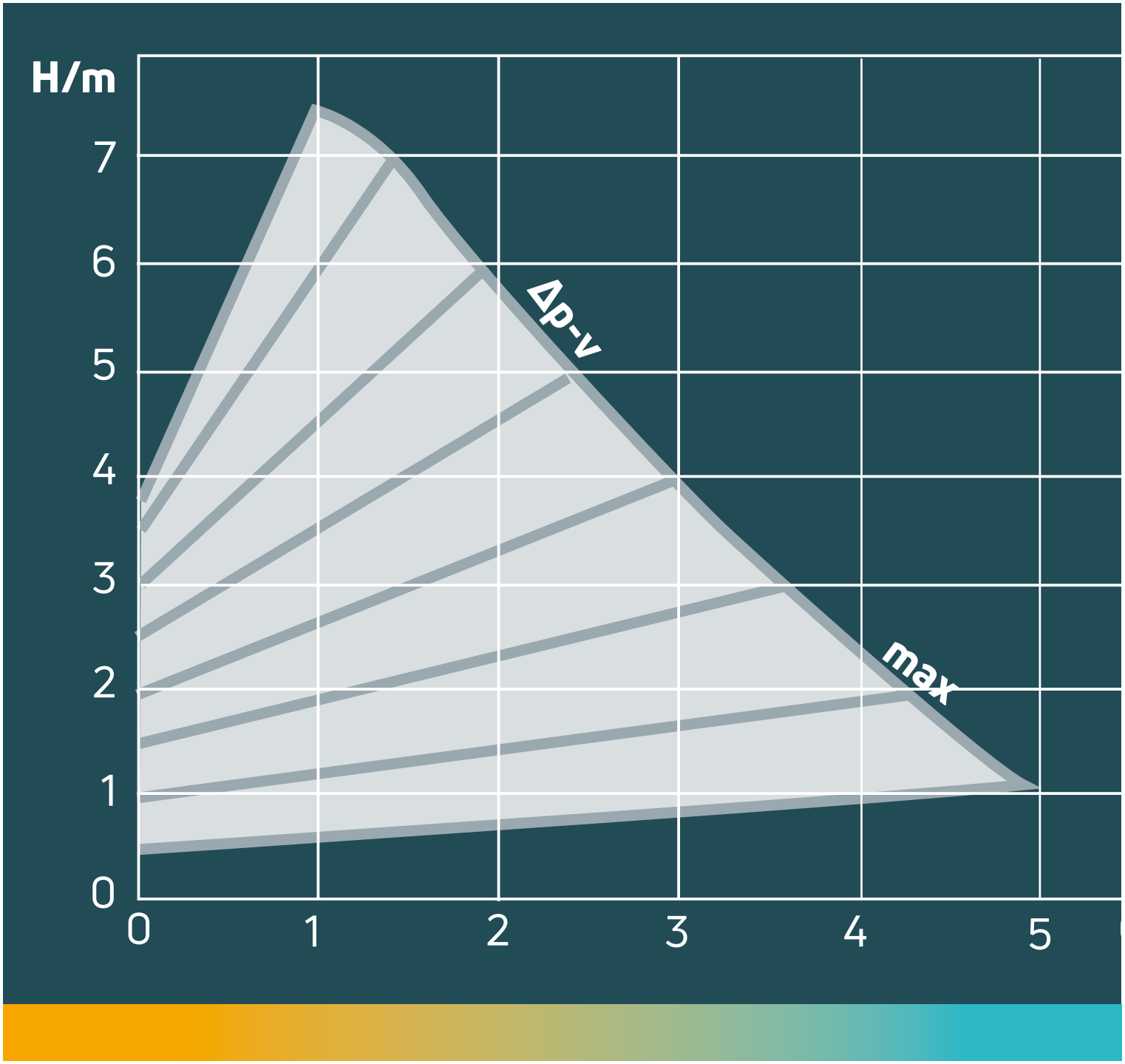
Spare vacuum tube for Arcobaleno VP solar panel

Dimension	Type	Pcs.	Code	Price €
L = 1500 mm	single	1	02708971	174,20

Spare parts for water and air solenoid valves

Model	Solenoid valve code	Pcs. pack	Code	Price €
Coil EV NA/NC 1/2"-3/4"-1" 230 V/50 Hz	00306200 / 00306202 / 00306204 / 00306210 00306212 / 00306214 /	1	00306400	11,12
Coil EV NC 1/2"-3/4" 24 V/50 Hz	00306206 / 00306208	1	00306410	11,12
Membrane NBR EV NC 1/2"	00306200 / 00306206 / 00306210	1	00306300	20,34
Membrane NBR EV NC 3/4"	00306202 / 00306208 / 00306212	1	00306302	20,93
Membrane EPDM EV NC 1/2"	00306200 / 00306206 / 00306210	1	00306320	20,34
Membrane EPDM EV NC 3/4"	00306202 / 00306208 / 00306212	1	00306322	20,93
Membrane EPDM EV NC 1"	00306204 / 00306214	1	00306324	35,49
Membrane NBR EV NA 1/2"	00306200 / 00306206 / 00306210	1	00306310	20,93
Membrane NBR EV NA 3/4"	00306202 / 00306208 / 00306212	1	00306312	24,85
Membrane EPDM EV NA 1/2"	00306200 / 00306206 / 00306210	1	00306330	20,93
Membrane EPDM EV NA 3/4"	00306202 / 0306208 / 00306212	1	00306332	24,85
Membrane EPDM EV NA 1"	00306204 / 00306214	1	00306334	32,72

N.C. = solenoid valve normally closed
N.A. = solenoid valve normally open

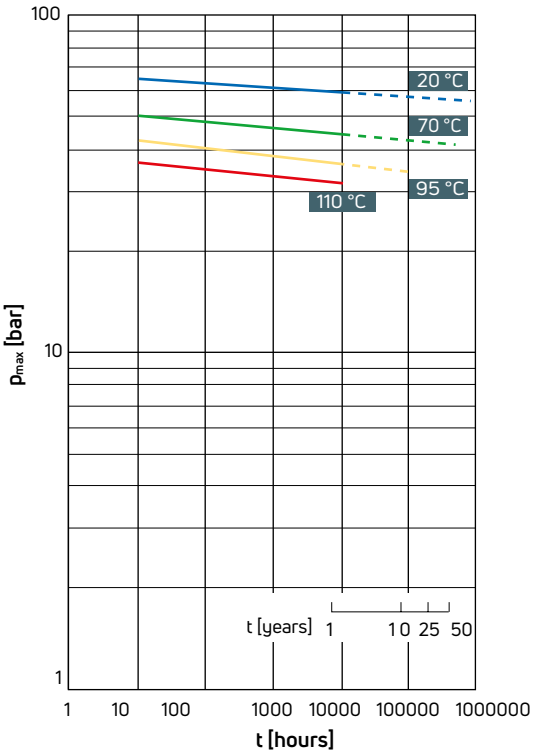


Technical attachments

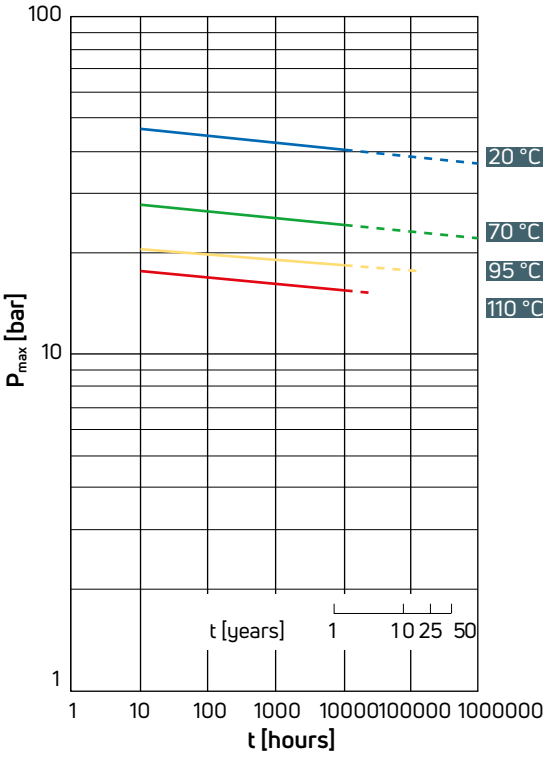
Scan the QR code
to consult the Technical Attachments
in full version

SCAN

Regression curves
Gerpex - Gerpex RA pipe (16x2)



Regression curves Alpert pipe (16 x 2)



Regression curves reading example
The maximum pressure (Pmax) for a period of 50 years at a set temperature can be identified by intersecting the vertical straight section relative to 50 years with the coloured straight section relative to that temperature. Note the planned working pressure (Pes), the safety coefficient will be equal to ks=Pmax/Pes

Classification of conditions of use for Gerpex, Gerpex RA, Alpert pipes (UNI EN ISO 21003-1)

Application class	Design Temperature T_D (°C)	Duration[b] at T_D (years)	T_{max} (°C)	Duration at T_{max} (years)	T_{mal} (°C)	Duration at T_{mal} (hours)	Field of use
1[a]	60	49	80	1	95	100	Hot water (60 °C)
2[a]	70	49	80	1	95	100	Hot water (70 °C)
4[b]	20 + 40 + 60	2,5 20 25	70	2,5	100	100	Underfloor heating and low temperature radiators
5[b]	20 + 60 + 80	14 25 10	90	1	100	100	High temperature radiators

Note:
T_D design Temperature
T_{max} maximum design temperature for short periods
T_{mal} malfunction temperature

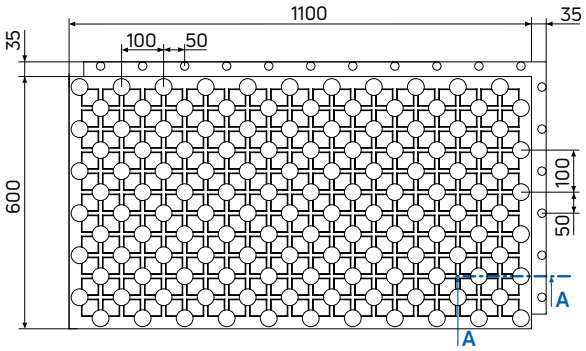
a) A Country may select either class 1 or class 2 in conformity with its national regulations.

b) Where more than one design temperature for time and associated temperature appears for any class, they should be aggregated. "Plus cumulative" in the table implies a temperature profile of the mentioned temperature over time (e. g. the design temperature profile for 50 years for class 5 is 20 °C for 14 years followed by 60 °C for 25 years, 80 °C for 10 years, 90 °C for 1 year and 100 °C for 100 h).

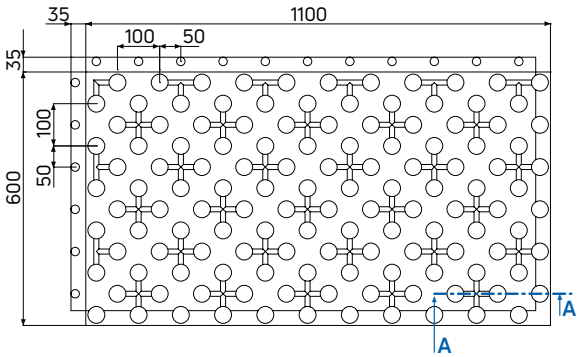
Standard Floor

Insulating panel

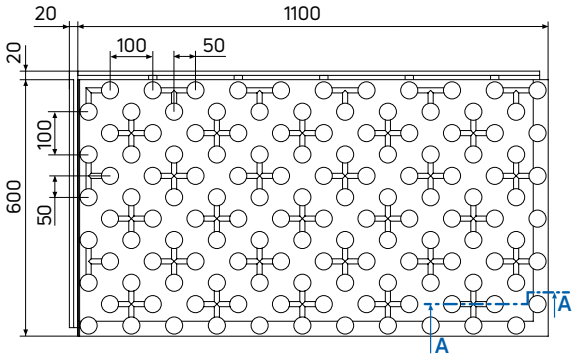
Model H = 10



Models H = 20/30



Models H = 40/50/60

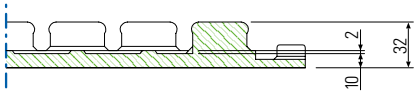


Standard Floor

Insulating panel

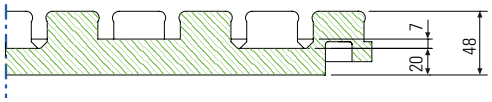
Panne llo 1100 x 600 H 10

Section A-A



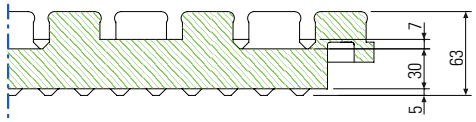
Panel 1100 x 600 H 20

Section A-A



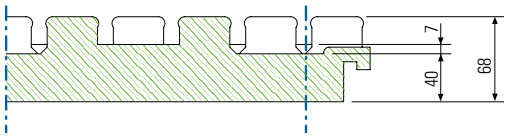
Panel 1100 x 600 H 30

Section A-A



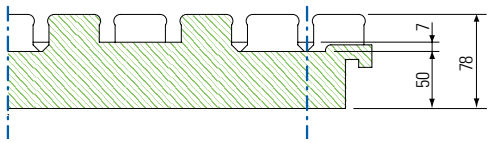
Panel 1100 x 600 H 40

Section A-A



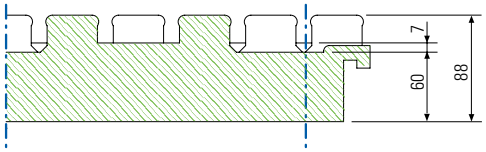
Panel 1100 x 600 H 50

Section A-A

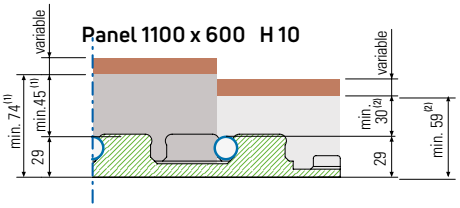


Panel 1100 x 600 H 60

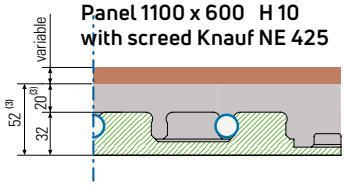
Section A-A



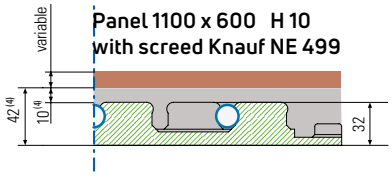
Panel 1100 x 600 H 10



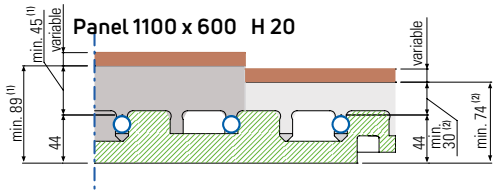
Panel 1100 x 600 H 10 with screed Knauf NE 425



Panel 1100 x 600 H 10 with screed Knauf NE 499



Panel 1100 x 600 H 20



Minimum system clearances for civil buildings (mm)

(1) Traditional cement screed*

(2) Self-levelling screed*

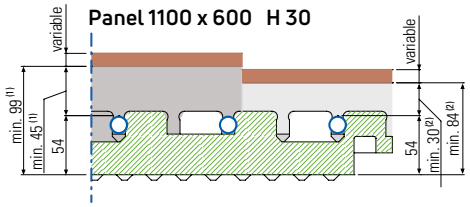
(3) Fluid screed with low thickness Knauf Self-levelling NE 425

(4) Fluid screed with low thickness Knauf Super-levelling NE 499

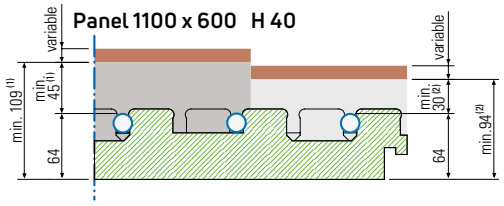
Note

The screeds are **not** provided by Emmeti

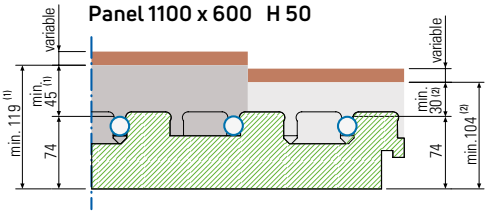
Panel 1100 x 600 H 30



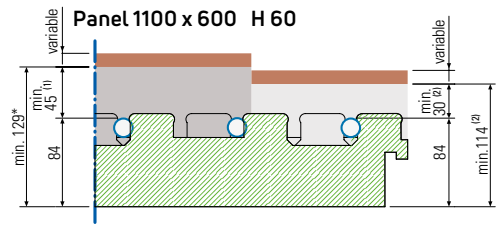
Panel 1100 x 600 H 40



Panel 1100 x 600 H 50



Panel 1100 x 600 H 60

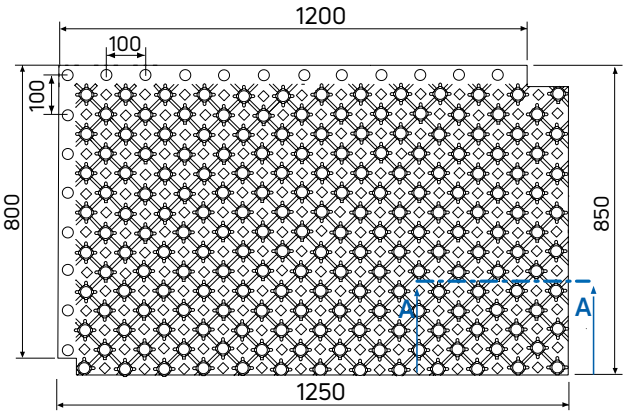


The effective thickness of the screed and the mode of construction of the same are to be defined with the manufacturer / supplier of the same according to its specifications, depending on the conditions of installation (size and type of installation surface, type floor, etc.) and of the type of slab chosen.

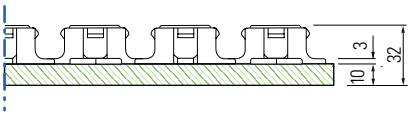
* If the Emmeti Floor system is combined with the Mirai SMI + Febos 4.0 heat pump, it is advisable to increase the thickness of the screed by about 1 cm from the minimum values.

Standard Combi Floor

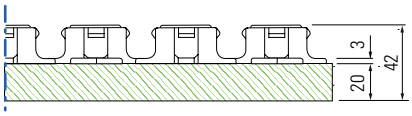
Insulating panel
Models H = 10/20/30



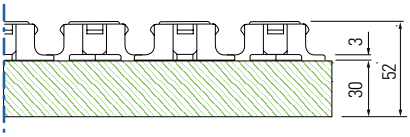
Panel 1200 x 800 H 10
Section A-A



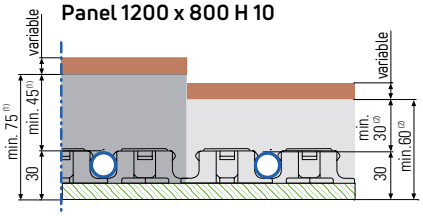
Panel 1200 x 800 H 20
Section A-A



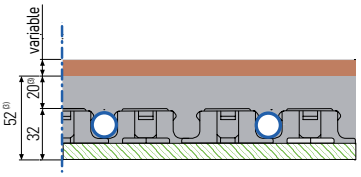
Panel 1200 x 800 H 30
Section A-A



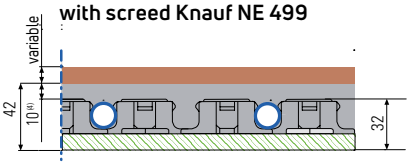
Panel 1200 x 800 H 10



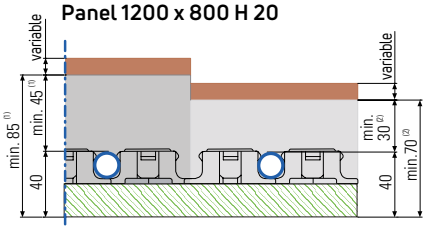
Panel 1200 x 800 H 10
with screed Knauf NE 425



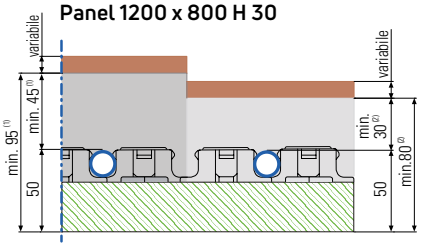
Panel 1200 x 800 H 10
with screed Knauf NE 499



Panel 1200 x 800 H 20



Panel 1200 x 800 H 30



Minimum system clearances for civil buildings (mm)

(1) Traditional cement screed*
(2) Self-levelling screed*
(3) Fluid screed with low thickness Knauf Self-levelling NE 425
(4) Fluid screed with low thickness Knauf Super-levelling NE 499

The effective thickness of the screed and the mode of construction of the same are to be defined with the manufacturer / supplier of the same according to its specifications, depending on the conditions of installation (size and type of installation surface, type floor, etc.) and of the type of slab chosen.

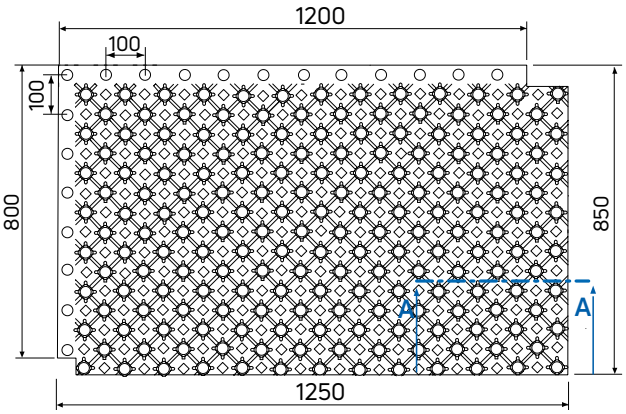
* If the Emmeti Floor system is combined with the Mirai SMI + Febos 4.0 heat pump, it is advisable to increase the thickness of the screed by about 1 cm from the minimum values.

Note: The screeds are **not** provided by Emmeti

Standard Combi Floor with graphite

Insulating panel

Models H = 10/23/38/45/60

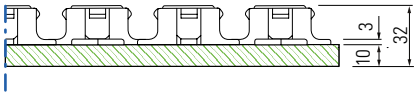


Minimum system clearances for civil buildings (mm)

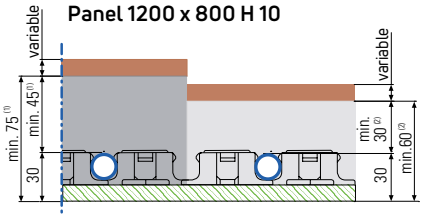
(1) Traditional cement screed*
(2) Self-levelling screed*
(3) Fluid screed with low thickness Knauf Self-levelling NE 425
(4) Fluid screed with low thickness Knauf Super-levelling NE 499

The effective thickness of the screed and the mode of construction of the same are to be defined with the manufacturer / supplier of the same according to its specifications, depending on the conditions of installation (size and type of installation surface, type floor, etc.) and of the type of slab chosen.

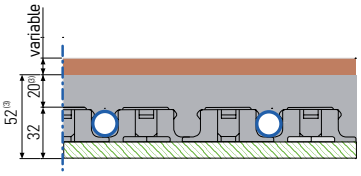
Panel 1200 x 800 H 10
Section A-A



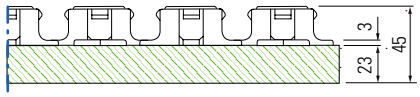
Panel 1200 x 800 H 10



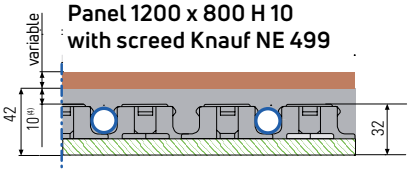
Panel 1200 x 800 H 10
with screed Knauf NE 425



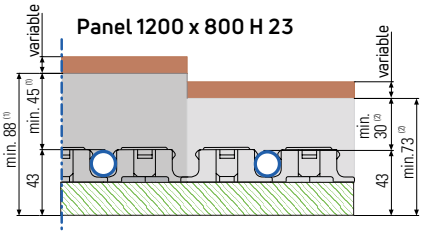
Panel 1200 x 800 H 23
Section A-A



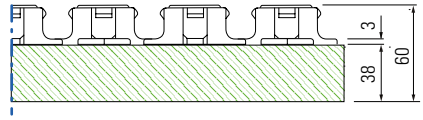
Panel 1200 x 800 H 10
with screed Knauf NE 499



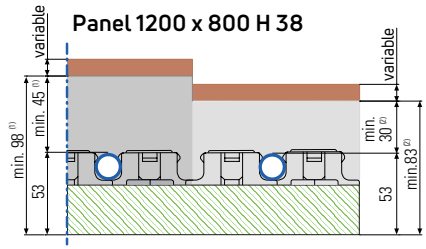
Panel 1200 x 800 H 23



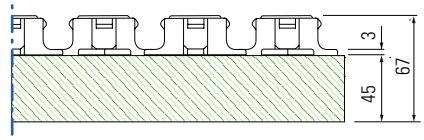
Panel 1200 x 800 H 38
Section A-A



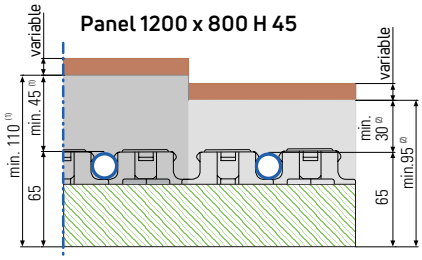
Panel 1200 x 800 H 38



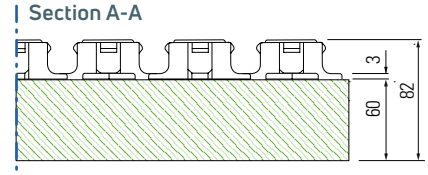
Panel 1200 x 800 H 45
Section A-A



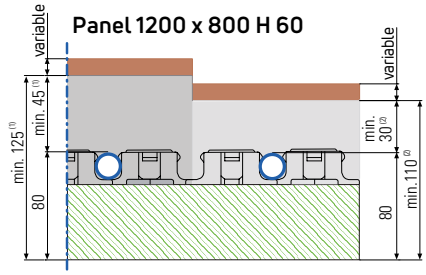
Panel 1200 x 800 H 45



Panel 1200 x 800 H 60
Section A-A



Panel 1200 x 800 H 60



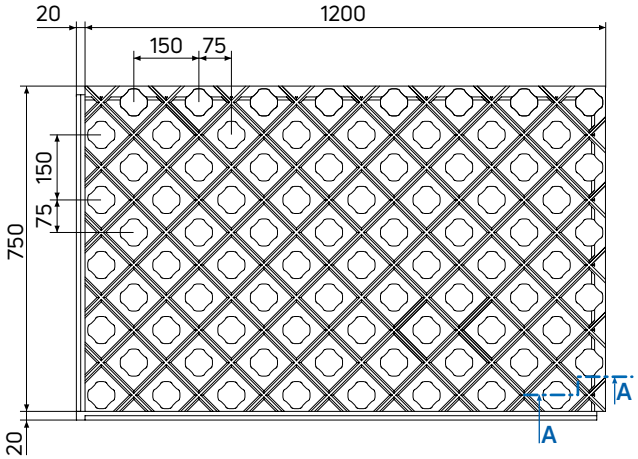
* If the Emmeti Floor system is combined with the Mirai SMI + Febos 4.0 heat pump, it is advisable to increase the thickness of the screed by about 1 cm from the minimum values.

Note: The screeds are **not** provided by Emmeti

Classic Floor

Insulating panel

Models H = 20/30



Minimum system clearances for civil buildings (mm)

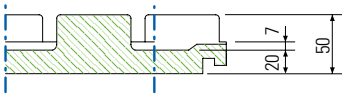
* Traditional cement screed
** Self-levelling screed

If the Emmeti Floor system is combined with the Mirai SMI + Febos 4.0 heat pump, it is advisable to increase the thickness of the screed by about 1 cm from the minimum values.

Note: The screeds are **not** provided by Emmeti

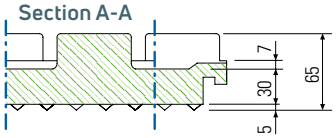
Panel 1200 x 750 H 20

Section A-A

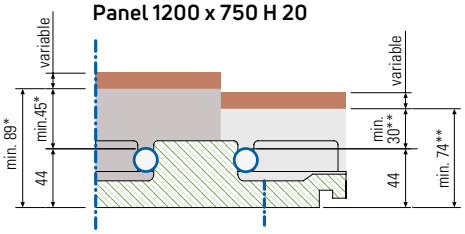


Panel 1200 x 750 H 30

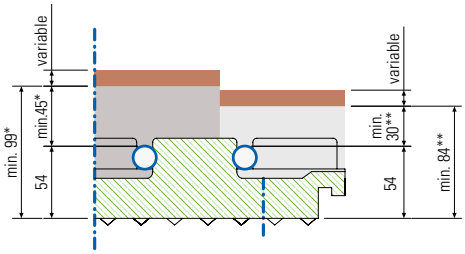
Section A-A



Panel 1200 x 750 H 20



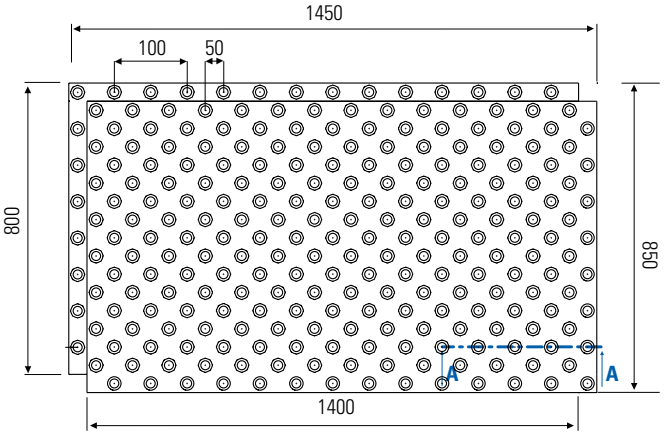
Panel 1200 x 750 H 30



Step Combi Floor - Step Combi Floor with graphite

Sound insulation panel

Model H = 30-2



Minimum system clearances for civil buildings (mm)

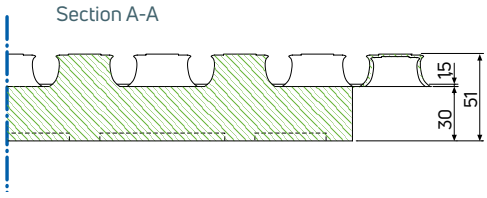
* Traditional cement screed
** Self-levelling screed

If the Emmeti Floor system is combined with the Mirai SMI + Febos 4.0 heat pump, it is advisable to increase the thickness of the screed by about 1 cm from the minimum values.

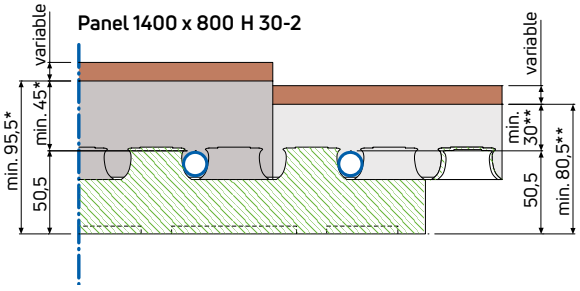
Note: The screeds are **not** provided by Emmeti

Panel 1400 x 800 H 30-2

Section A-A



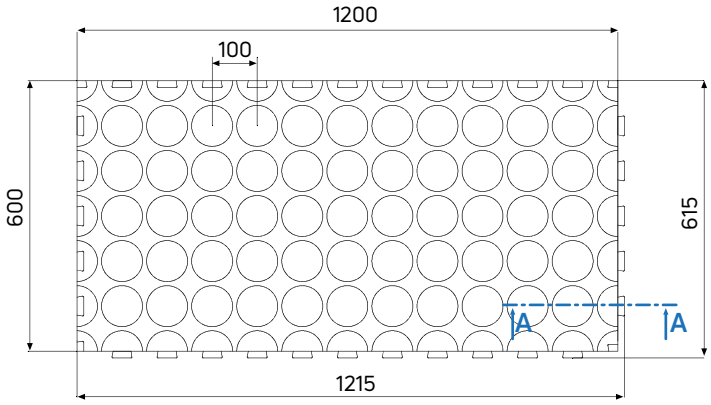
Panel 1400 x 800 H 30-2



Thin Floor

Insulating panel

Model H = 5



Minimum system clearances for civil buildings (mm)

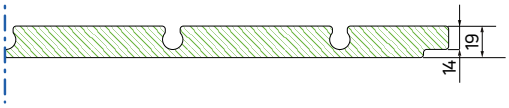
* Self-levelling screed
** Fluid screed with low thickness Knauf Self-levelling NE 425
*** Fluid screed with low thickness Knauf Super-levelling NE 499

The effective thickness of the screed and the mode of construction of the same are to be defined with the manufacturer / supplier of the same according to its specifications, depending on the conditions of installation (size and type of installation surface, type floor, etc.) and of the type of slab chosen.

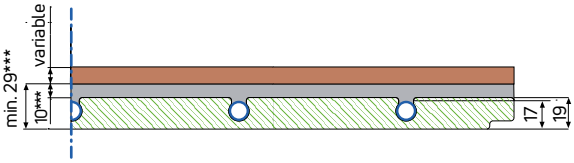
Note: The screeds are **not** provided by Emmeti

Panel 1200 x 600 H 5

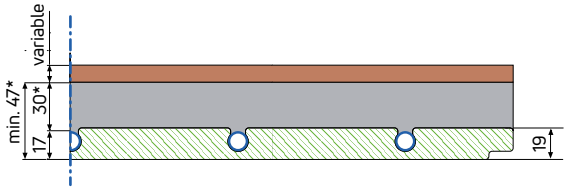
Section A-A



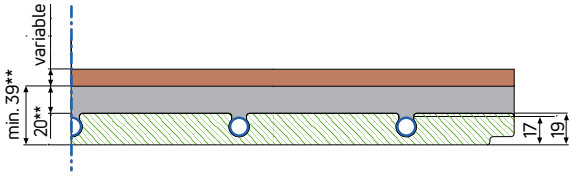
Panel 1200 x 600 H 5
with screed Knauf NE 499



Panel 1200 x 600 H 5



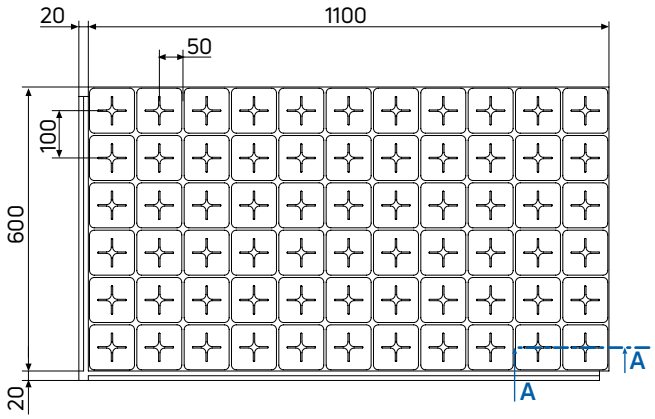
Panel 1200 x 600 H 5
with screed Knauf NE 425



Plan Floor

Insulating panel

Model H = 30



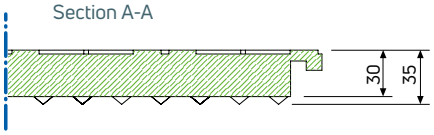
Minimum system clearances for civil buildings (mm)

* Traditional cement screed
** Self-levelling screed

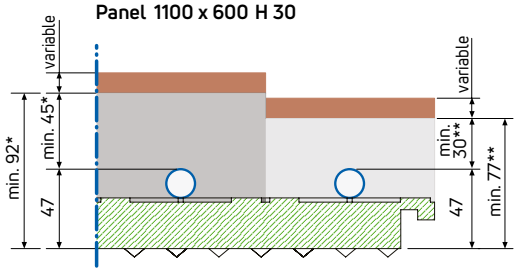
If the Emmeti Floor system is combined with the Mirai SMI + Febos 4.0 heat pump, it is advisable to increase the thickness of the screed by about 1 cm from the minimum values.

Note: The screeds are **not** provided by Emmeti

Panel 1100 x 600 H 30



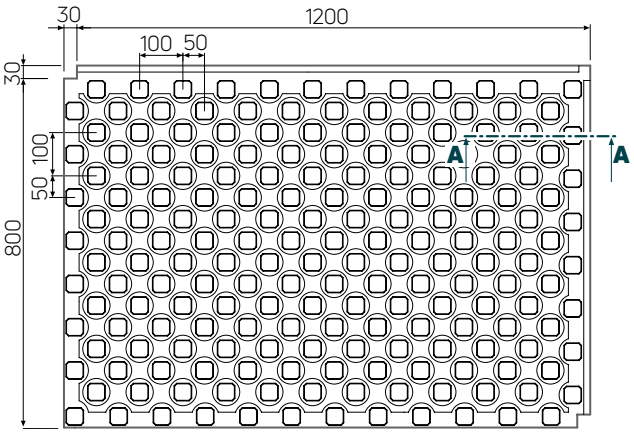
Panel 1100 x 600 H 30



Project Emmeti Floor

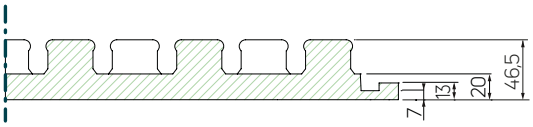
Insulating panel

Models H = 20/25/30/41 mm

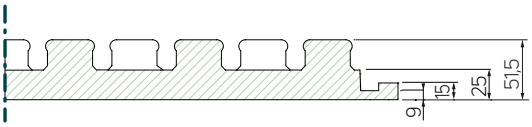


NEW

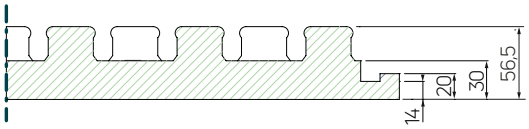
Panel 1200x800 H20 mm
Section A-A



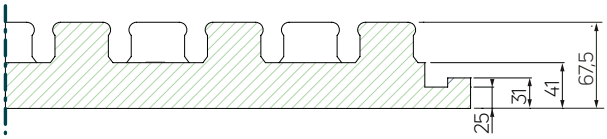
Panel 1200x800 H25 mm
Section A-A



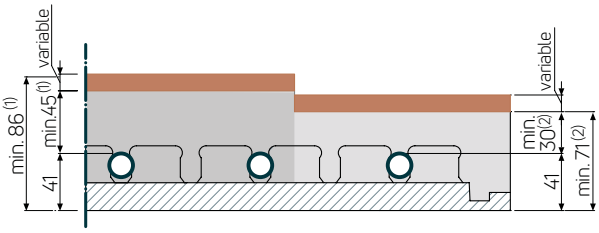
Panel 1200x800 H30 mm
Section A-A



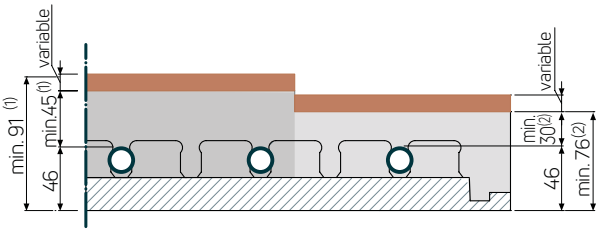
Panel 1200x800 H41 mm
Section A-A



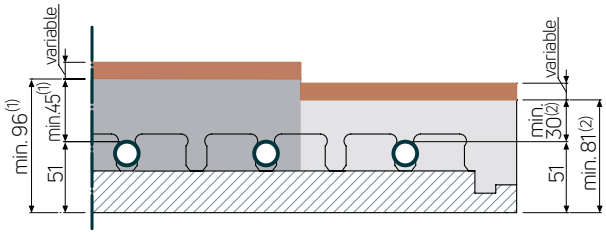
Panel 1200x800 H20 mm



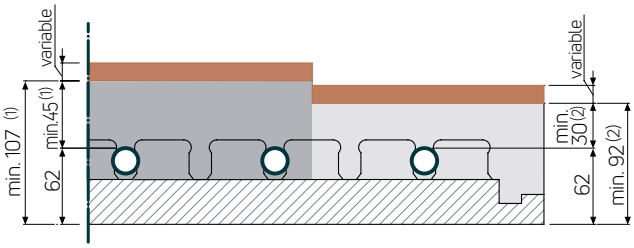
Panel 1200x800 H25 mm



Panel 1200x800 H30 mm



Panel 1200x800 H41 mm



Minimum system clearances for civil buildings (mm)

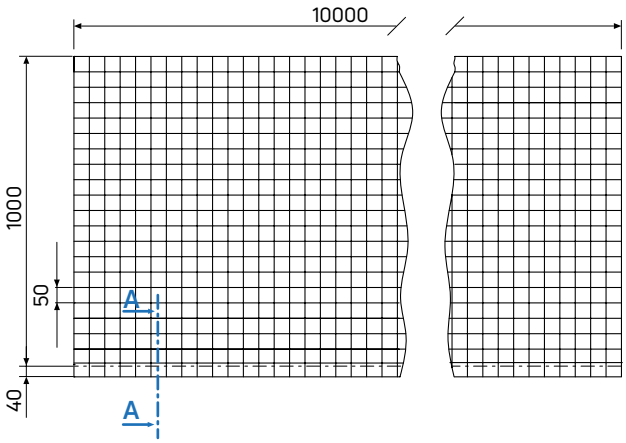
(1) Traditional cement screed * (2) Self-levelling screed *
The actual thickness of the screed and the way it is made must be defined with the screed manufacturer/supplier according to their specifications, depending on the installation conditions (size and type of laying surface, type of slab, etc.) and the type of screed chosen. (*) If the Emmeti Floor system is combined with the Mirai SMI + Febos 4.0 heat pump, it is advisable to increase the thickness of the screed by about 1 cm from the minimum values.

Note: The screeds are **not** provided by Emmeti

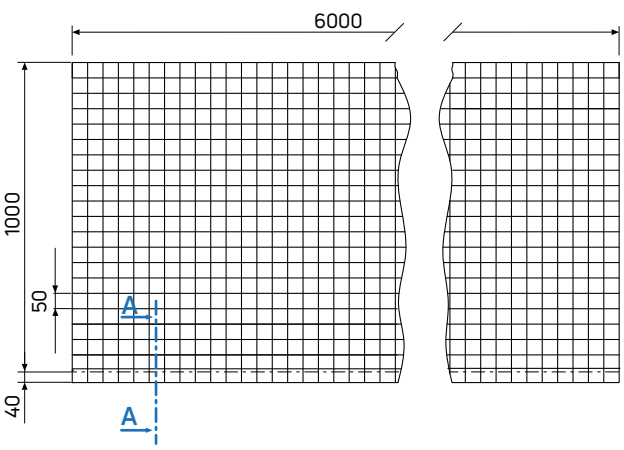
Roll Floor

Insulating panel

Model H 20/30/40/50

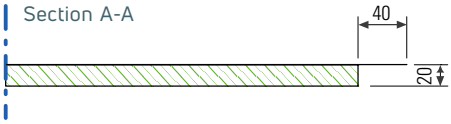


Model H 60



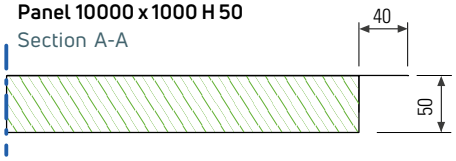
Panel 10000 x 1000 H 20

Section A-A



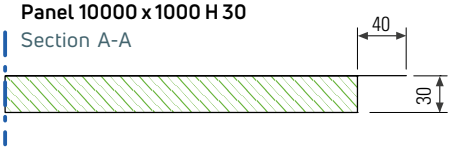
Panel 10000 x 1000 H 50

Section A-A



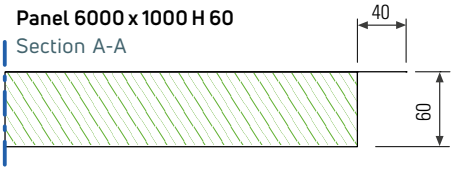
Panel 10000 x 1000 H 30

Section A-A



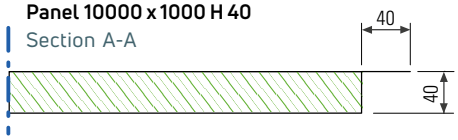
Panel 6000 x 1000 H 60

Section A-A

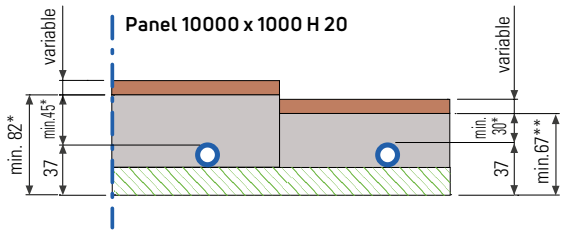


Panel 10000 x 1000 H 40

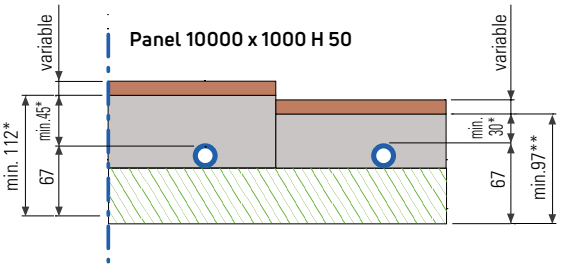
Section A-A



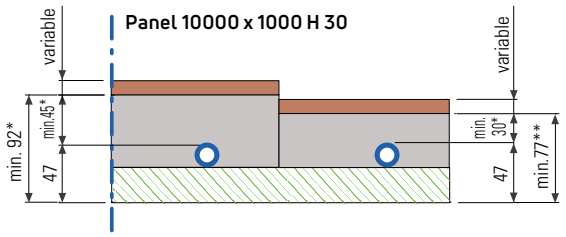
Panel 10000 x 1000 H 20



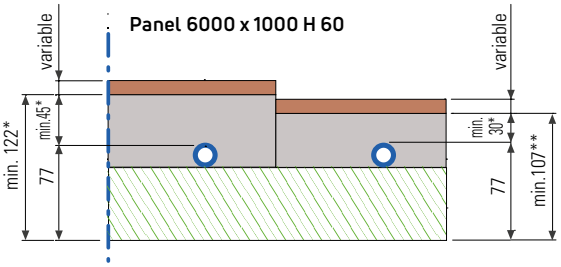
Panel 10000 x 1000 H 50



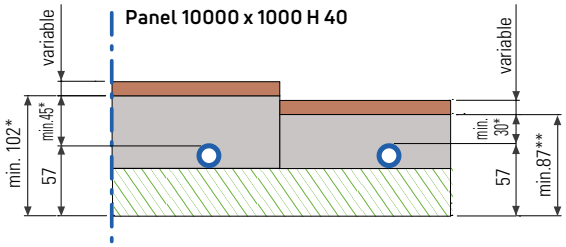
Panel 10000 x 1000 H 30



Panel 6000 x 1000 H 60



Panel 10000 x 1000 H 40



Minimum system clearances for civil buildings (mm)

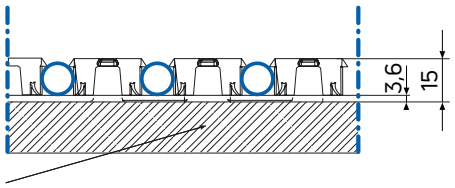
* Traditional cement screed
** Self-levelling screed
If the Emmeti Floor system is combined with the Mirai SMI + Febos 4.0 heat pump, it is advisable to increase the thickness of the screed by about 1 cm from the minimum values.

Note: The screeds are **not** provided by Emmeti

Panel with self-adhesive base / with insulation for DN 12 pipe

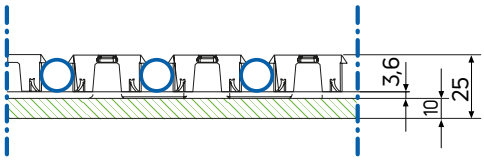
Sections

Panel 1200 x 600 H 0
with self-adhesive base

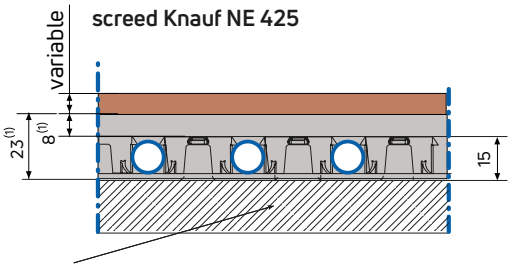


Screed or flooring
existing ceramic or
stone material (3)

Panel 1200 x 600 H 10
with insulating panel

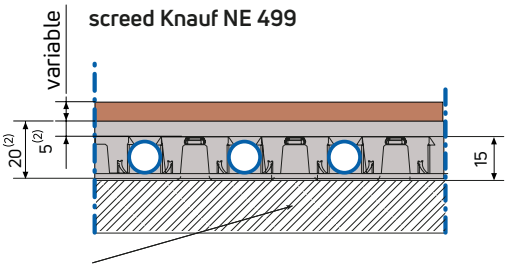


Panel 1200 x 600 H 0
with self-adhesive base and with
screed Knauf NE 425



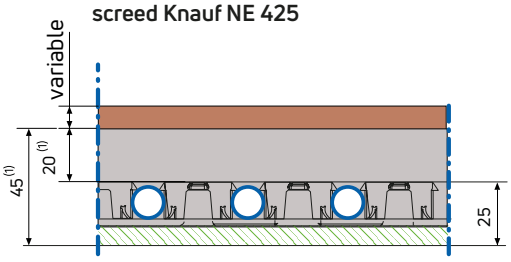
Screed or flooring
existing ceramic or
stone material (3)

Pannello 1200 x 600 H 0
with self-adhesive base and with
screed Knauf NE 499

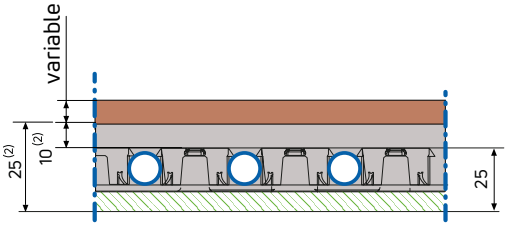


Screed or flooring
existing ceramic or
stone material (3)

Panel 1200 x 600 H 10
with insulating panel and with
screed Knauf NE 425



Panel 1200 x 600 H 10
with insulating panel and with
screed Knauf NE 499



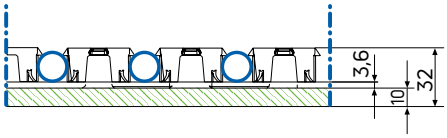
(1) Knauf Autolivellina NE 425 low thickness fluid screed
(2) Knauf Superlivellina NE 499 low thickness fluid screed
(3) Existing screed or flooring in ceramic or stone material, the surfaces of which must be treated in accordance with the leveling supplier's instructions

The effective thickness of the screed and the method of making it are to be defined with the manufacturer / supplier of the same according to his specifications, according to the installation conditions (size and type of laying surface, type of floor, etc.) and the type of chosen screed.

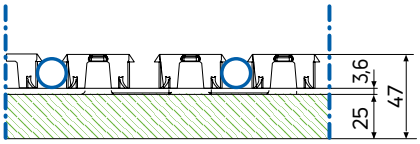
Insulating panel per tubo DN 16-17

Sections

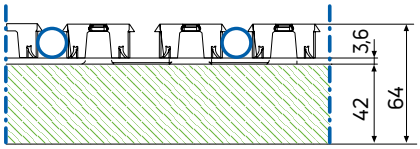
Panel 1200 x 800 H 10



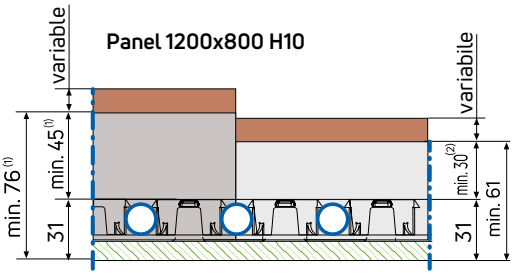
Panel 1200 x 800 H 25



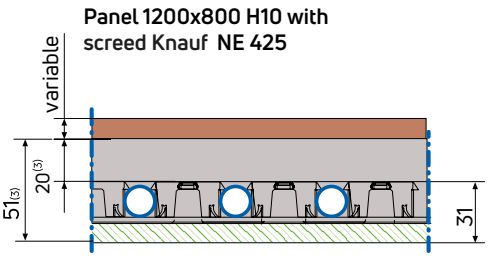
Panel 1200 x 800 H 42



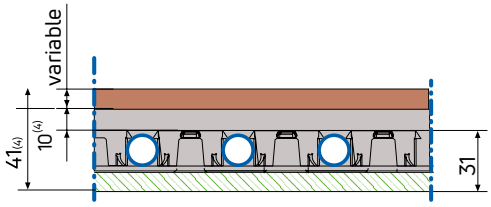
Panel 1200x800 H10



Panel 1200x800 H10 with screed Knauf NE 425



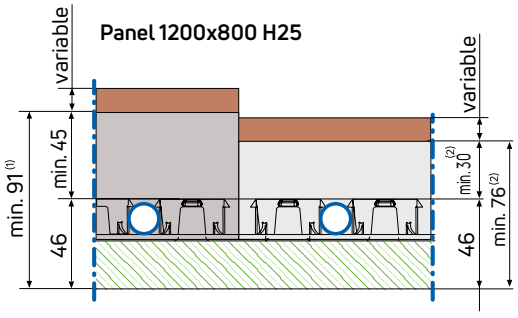
Panel 1200x800 H10 with screed Knauf NE 499



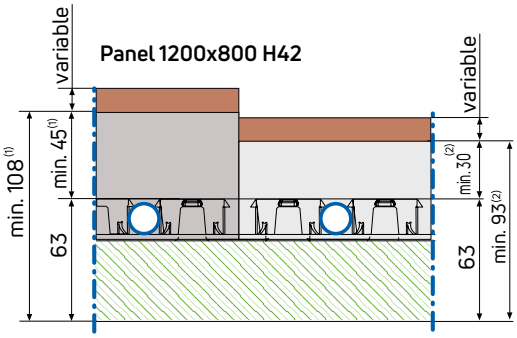
Minimum overall dimensions of the system for civil buildings (mm)
(1) Traditional cement screed
(2) Self-leveling screed
(3) Knauf Autolivellina NE 425 low thickness fluid screed
(4) Knauf Superlivellina NE 499 low thickness fluid screed

The effective thickness of the screed and the method of making it are to be defined with the manufacturer / supplier of the same according to his specifications, according to the installation conditions (size and type of laying surface, type of floor, etc.) and the type of chosen screed.

Panel 1200x800 H25

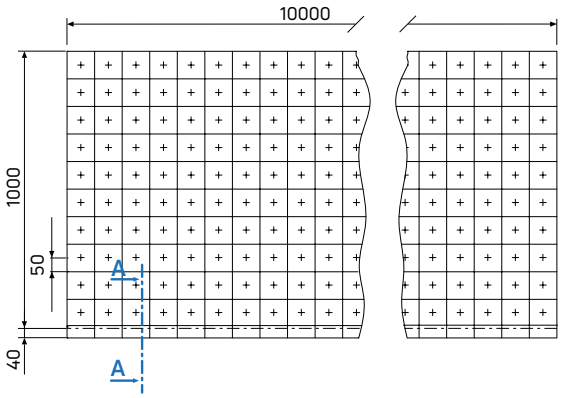


Panel 1200x800 H42

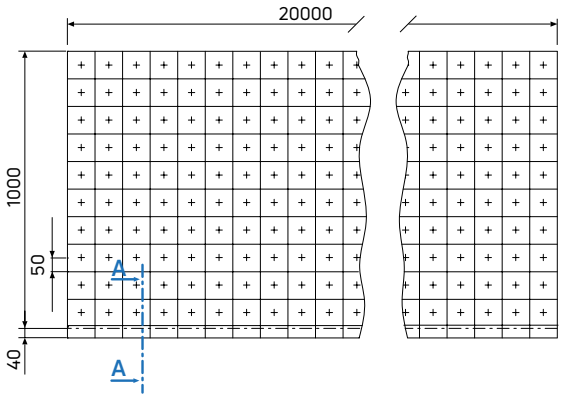


Klettjet

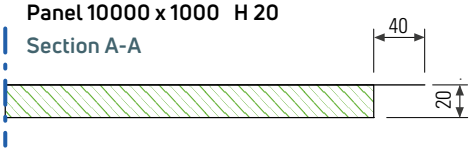
Insulating panel Klettjet EPS-150 Model H 20/30/41



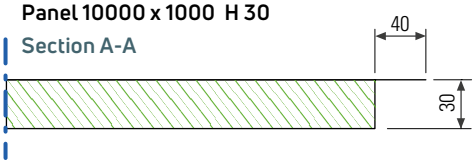
Insulating panel PE Klettjet R Model H 6



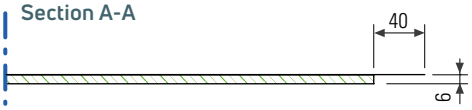
Panel 10000 x 1000 H 20
Section A-A



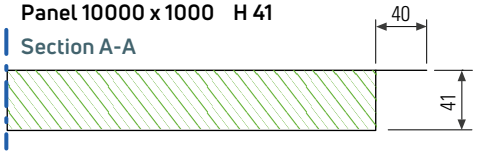
Panel 10000 x 1000 H 30
Section A-A

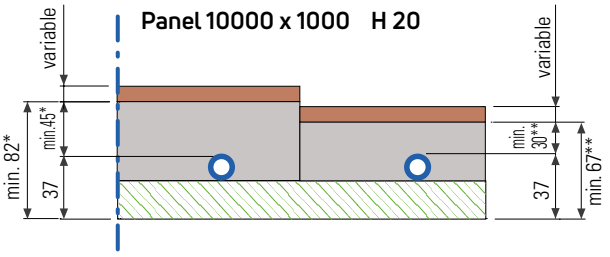


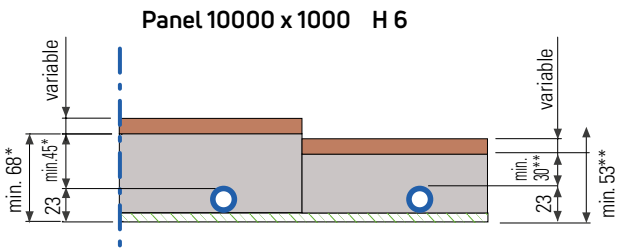
Panel 20000 x 1000 H 6
Section A-A

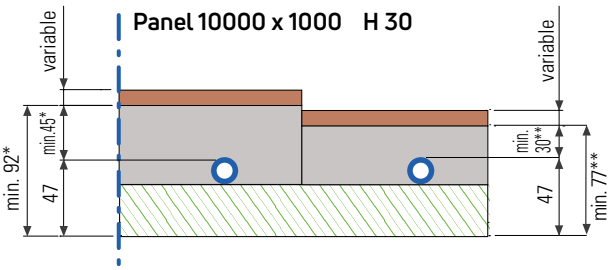


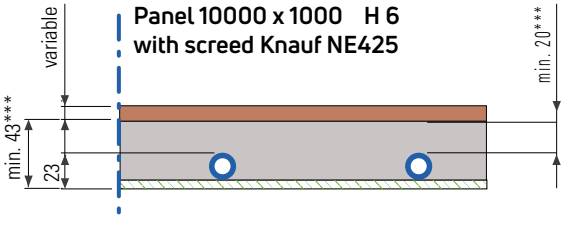
Panel 10000 x 1000 H 41
Section A-A

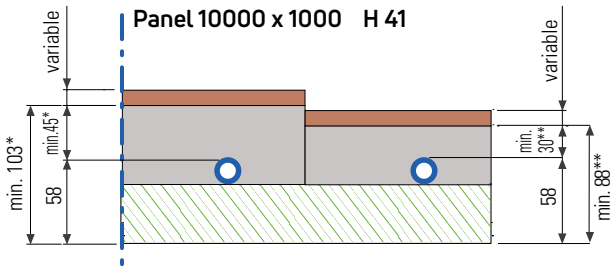


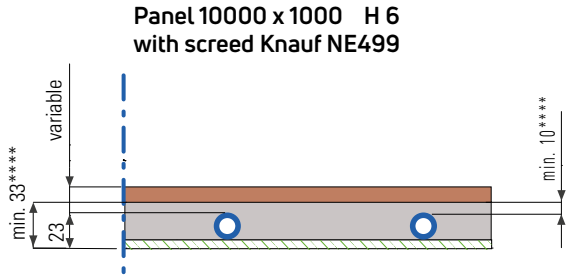












Minimum system clearances for civil buildings (mm)

(1) Traditional cement screed*
(2) Self-levelling screed*
(3) Fluid screed with low thickness Knauf Self-levelling NE 425
(4) Fluid screed with low thickness Knauf Super-levelling NE 499

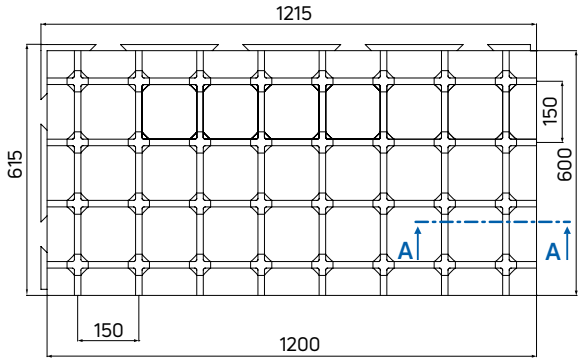
The effective thickness of the screed and the mode of construction of the same are to be defined with the manufacturer / supplier of the same according to its specifications, depending on the conditions of installation (size and type of installation surface, type floor, etc.) and of the type of slab chosen.

* If the Emmeti Floor system is combined with the Mirai SMI + Febos 4.0 heat pump, it is advisable to increase the thickness of the screed by about 1 cm from the minimum values.

Note: The screeds are **not** provided by Emmeti

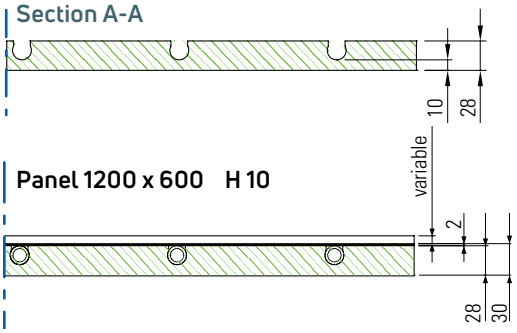
Dry Alu Floor

Insulating panel H = 10



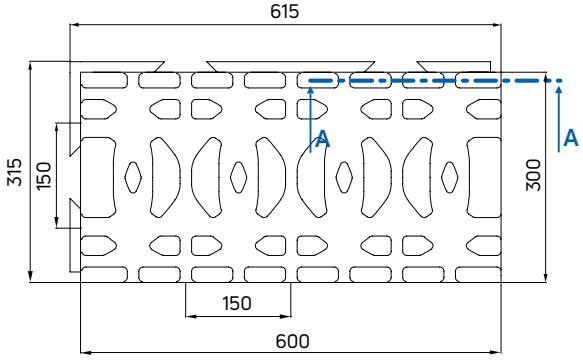
Panel 1200 x 600 H 10

Section A-A



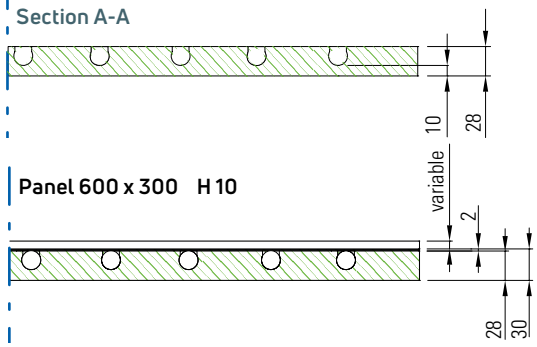
Panel 1200 x 600 H 10

Head insulating panel H = 10



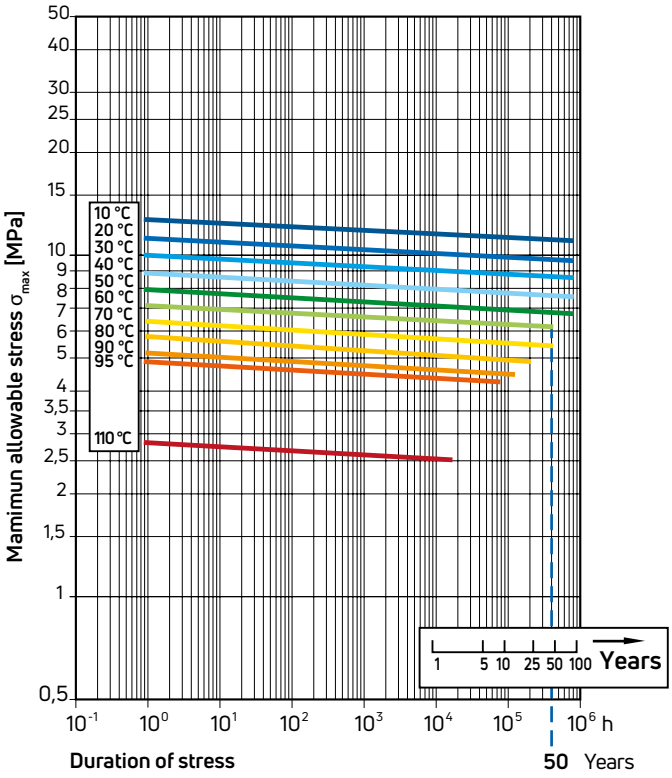
Panel 600 x 300 H 10

Section A-A



Panel 600 x 300 H 10

PE-Xc PENTA pipe regression curves



5-layers PE-Xa pipe regression curves

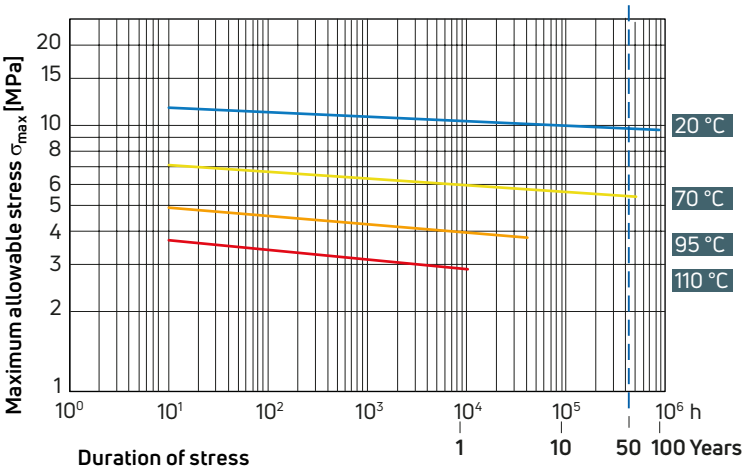


Diagram reading

The maximum allowable stress (σmax) for a duration of 50 years at a certain temperature is identified by intersecting the line (vertical) relating to 50 years with the line relating to the temperature:

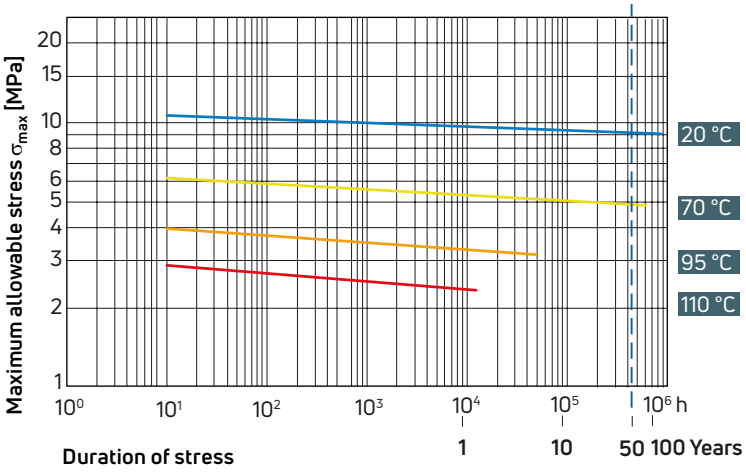
$$p_{max}\ [bar] = \frac{20 \times \sigma_{max} \times S_p}{D - S_p}$$

where:

σ_{max} = maximum allowable stress [MPa]
Sp = thickness of pipe [mm]
D = external Ø of pipe [mm]

Note the operating pressure (P_{es}), the safety coefficient will be equal to $Ks=P_{max}/P_{es}$

5-layers PE-RT pipe regression curves



Example of reading Pipe regression curves
PE-Xa 5 layers and PE-RT

The maximum allowable stress (σmax) for a duration of 50 years at a certain temperature is identified by intersecting the line (vertical) relating to 50 years with the line relating to the temperature:

$$p_{max}\ [bar] = \frac{20 \times \sigma_{max} \times S_p}{D - S_p}$$

where:
σ_{max} = maximum allowable stress [MPa]
Sp = thickness of pipe [mm]
D = external Ø of pipe [mm]
Note the operating pressure (P_{es}), the safety coefficient will be equal to $Ks=P_{max}/P_{es}$

Classification of conditions of use for PE-Xc PENTA (UNI EN ISO 21003-1), PE-Xa (UNI EN ISO 15875-1) and PE-RT (UNI EN ISO 22391-1) pipes

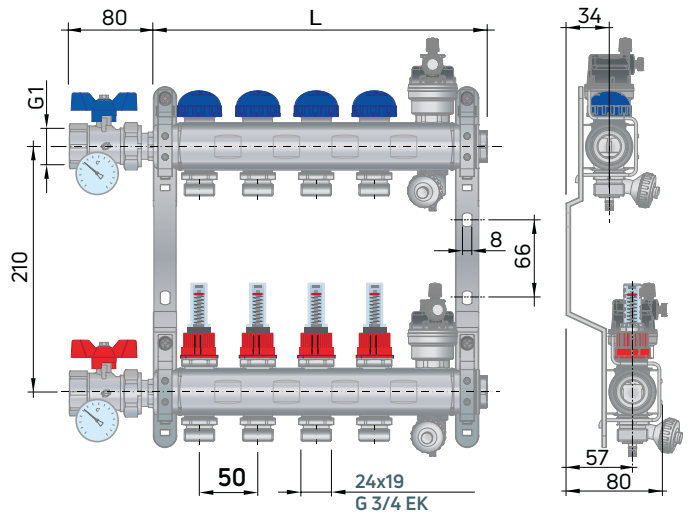
Application class	Design Temperature T_D (°C)	Duration[b] at T_D (years)	T_{max} (°C)	Duration at T_{max} (years)	T_{mal} (°C)	Duration a T_{mal} (hours)	Field of use
1[a]	60	49	80	1	95	100	Hot water (60 °C)
2[a]	70	49	80	1	95	100	Hot water (70 °C)
4[b]	20 + 40 + 60	2,5 20 25	70	2,5	100	100	Underfloor heating and low temperature radiators
5[b]	20 + 60 + 80	14 25 10	90	1	100	100	High temperature radiators

Note:
T_D design Temperature
T_{max} maximum design temperature for short periods
T_{mal} malfunction temperature

a) A Country may select either class 1 or class 2 in conformity with its national regulations.

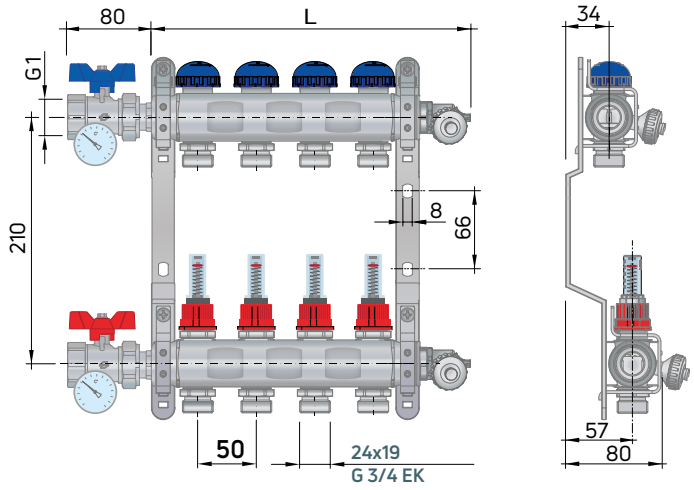
b): Where more than one design temperature for time and associated temperature appears for any class, they should be aggregated. "Plus cumulative" in the table implies a temperature profile of the mentioned temperature over time (e. g. the design temperature profile for 50 years for class 5 is 20 °C for 14 years followed by 60 °C for 25 years, 80 °C for 10 years, 90 °C for 1 year and 100 °C for 100 h).

Topway S distribution manifold in stainless steel, with lockshields with flow meters included



Nr. ways	2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
L [mm]	185	235	285	355	385	435	485	535	585	635	685

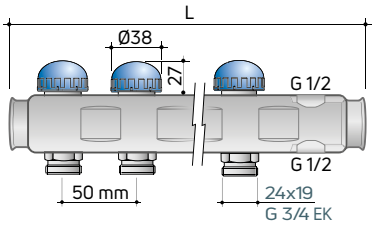
Topway S Compact distribution manifold in stainless steel, with lockshields with flow meters included



Nr. ways	2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
L [mm]	174	224	274	324	374	424	474	524	574	624	674

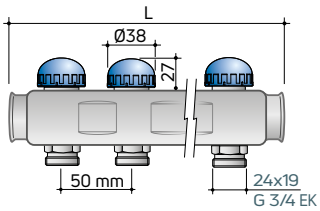
Topway S - Bars manifold in stainless steel

Topway S return manifold nickel-plated with valves



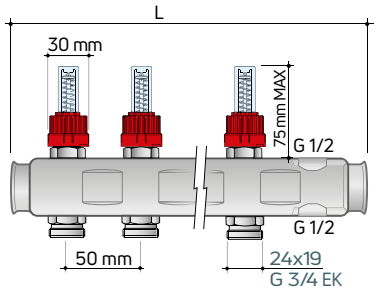
Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
1"	L [mm]	175	225	275	325	375	425	475	525	575	625	675

Topway S Compact return manifold nickel-plated, with valves, without additional way



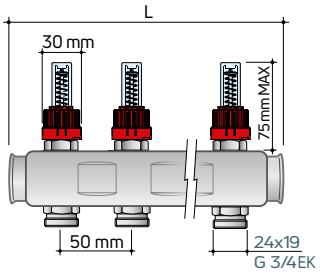
Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
1"	L [mm]	125	175	225	275	325	375	425	475	525	575	625

Topway S flow manifold nickel-plated, with flow meters



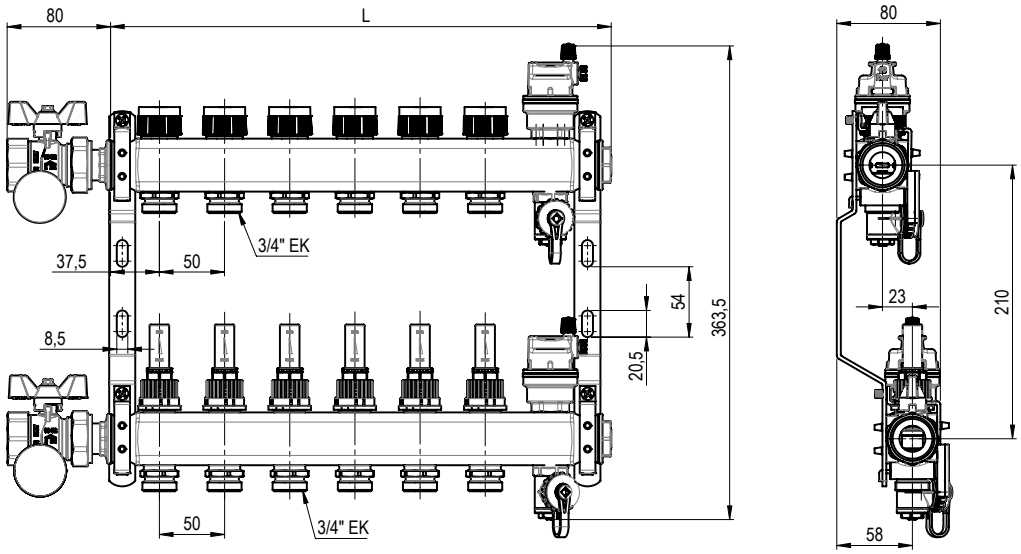
Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
1"	L [mm]	175	225	275	325	375	425	475	525	575	625	675

Topway S Compact flow manifold nickel-plated, with flow meters, without additional way



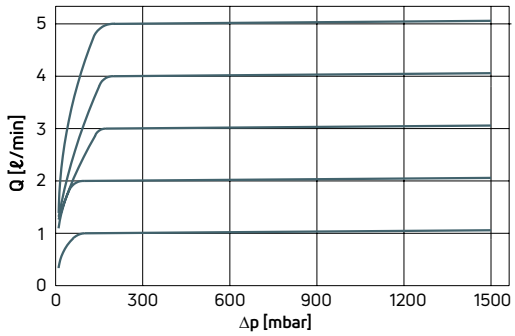
Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
1"	L [mm]	125	175	225	275	325	375	425	475	525	575	625

Topway S-D - Stainless steel manifold



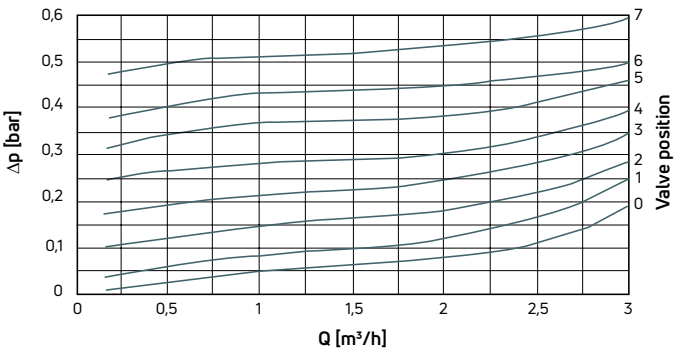
Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
1"	L [mm]	184	234	284	334	384	343	484	534	584	634	684

Dynamic valve diagram

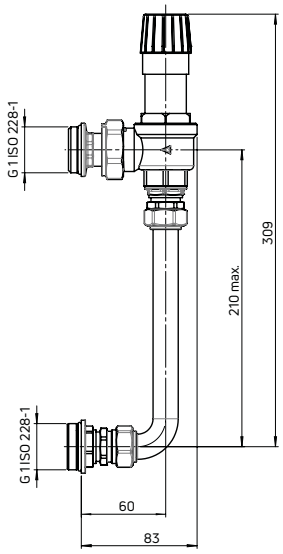


Terminal kit with by-pass

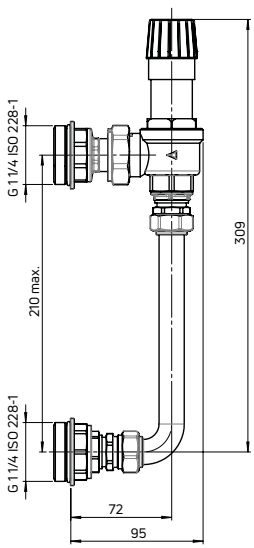
Overpressure valve graph



Size 1"

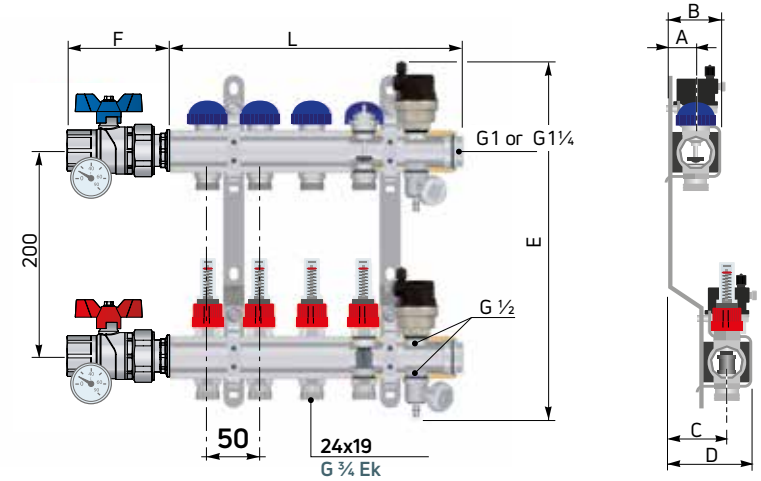


Size 1"1/4



Topway - Brass manifold

Pre-assembled nickel-plated Topway manifold with lockshields with built-in flow meters

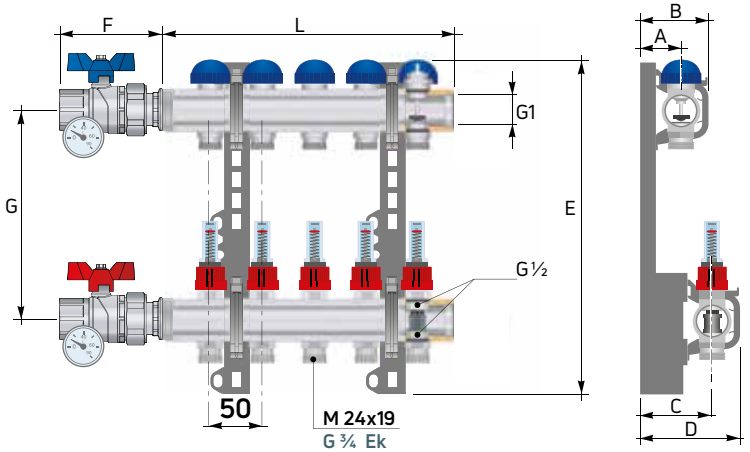


		1"	1"1/4
A	mm	26,5	30,5
B	mm	51	58,5
C	mm	56,5	60,5
D	mm	81	89,5
E	mm	361,5	371,5
F	mm	97	135

Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
1"	L mm	174	224	274	324	374	424	474	524	574	624	674
1"1/4	L mm	-	-	282	332	382	432	482	532	582	632	682

Topway Compact - Brass manifold

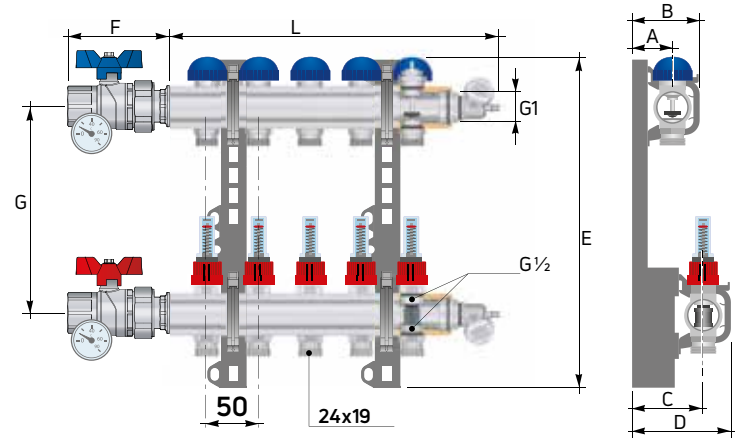
Nickel plated distribution manifold kit



		POSITION A-A	POSITION B-B
A	mm	39	39
B	mm	66	66
C	mm	69	65
D	mm	96	92
E	mm	320	320
F	mm	97	97
G	mm	200	210

Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
1"	L mm	114	164	214	264	314	364	414	464	514	564	614

Nickel plated distribution manifold kit with drain cocks

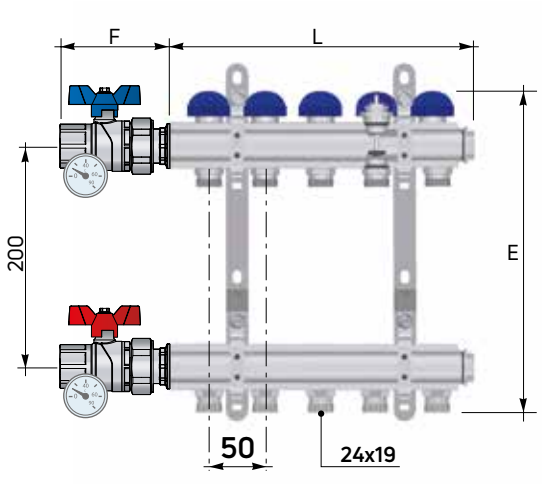


		POSITION A-A 1"	POSITION B-B 1"
A	mm	39	39
B	mm	66	66
C	mm	69	65
D	mm	96	92
E	mm	320	320
F	mm	97	97
G	mm	200	210

Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
1"	L mm	165,5	215,5	265,5	315,5	365,5	415,5	465,5	515,5	565,5	615,5	665,5

Topway R - Brass manifold for radiators

Topway R pre-assembled nickel plated

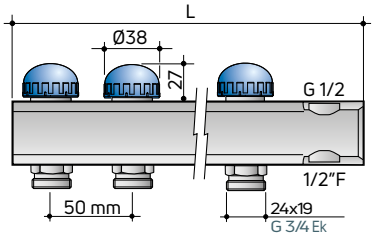




		1"	1"1/4
A	mm	26,5	30,5
B	mm	51	58,5
C	mm	56,5	60,5
D	mm	81	89,5
E	mm	323	364
F	mm	97	135

Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
1"	L mm	124	174	224	274	324	374	424	474	524	574	624
1"1/4	L mm	-	-	232	282	332	382	432	482	532	582	632

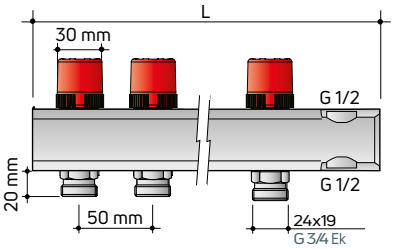
Topway return manifold nickel plated, with valves



Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
1"	L mm	164	214	264	314	364	414	464	514	564	614	664
1"1/4	L mm	170	220	270	320	370	420	470	520	570	620	670

Note: takeoff 50 mm

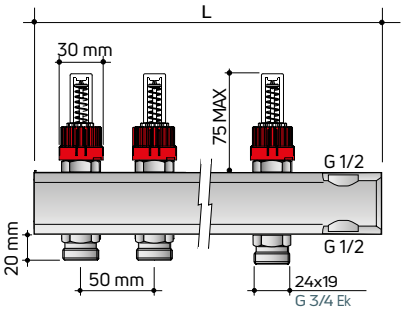
Topway nickel-plated flow manifold, with lockshields



Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
1"	L mm	164	214	264	314	364	414	464	514	564	614	664
1"1/4	L mm	170	220	270	320	370	420	470	520	570	620	670

Note: takeoff 50 mm

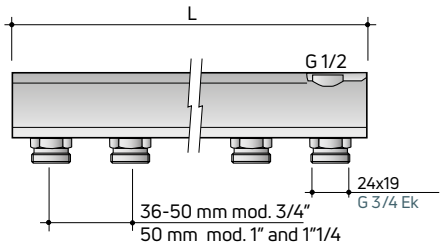
Topway nickel-plated flow manifold, with flow meters



Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
1"	L mm	164	214	264	314	364	414	464	514	564	614	664
1"1/4	L mm	170	220	270	320	370	420	470	520	570	620	670

Note: takeoff 50 mm

Topway nickel-plated distribution manifold, with takeoffs

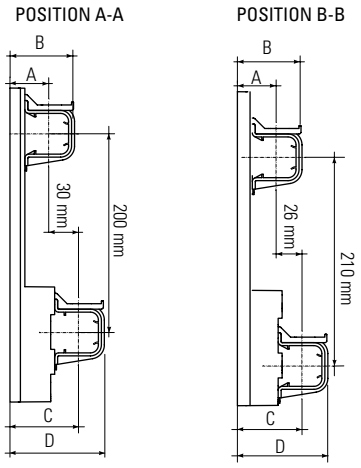


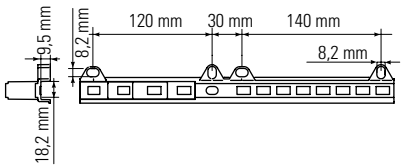
Model		2 ways	3 ways	4 ways	5 ways	6 ways	7 ways	8 ways	9 ways	10 ways	11 ways	12 ways
3/4"	L mm	85	121	157	193	229	265	301	337	373	409	445
Note: takeoff 36 mm												
3/4"	L mm	103	153	203	253	303	353	403	453	503	553	603
1"	L mm	114	164	214	264	314	364	414	464	514	564	614
1"1/4	L mm	–	–	220	270	320	370	420	470	520	570	620

Note: takeoff 50 mm

Topway - Brass manifolds

Pair of adjustable double supports





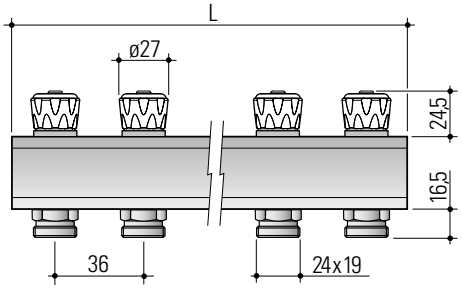
POSITION A-A	3/4" (mm)	1" (mm)	1"1/4 (mm)
A	39	39	44
B	62	66	76
C	69	69	74
D	92	96	106

POSITION B-B	3/4" (mm)	1" (mm)	1"1/4 (mm)
A	39	39	44
B	62	66	76
C	65	65	70
D	88	92	102

Topway M - Distribution manifold with taps

Topway M

Manifold with taps, nickel-plated, with 24x19 takeoffs

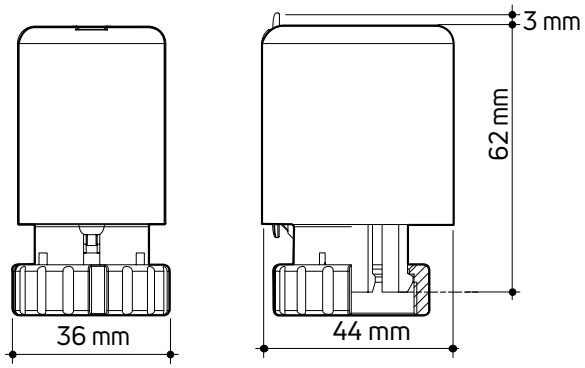


Model		4 ways	5 ways	6 ways
3/4"	L mm	157	193	229

Note: takeoff 36 mm

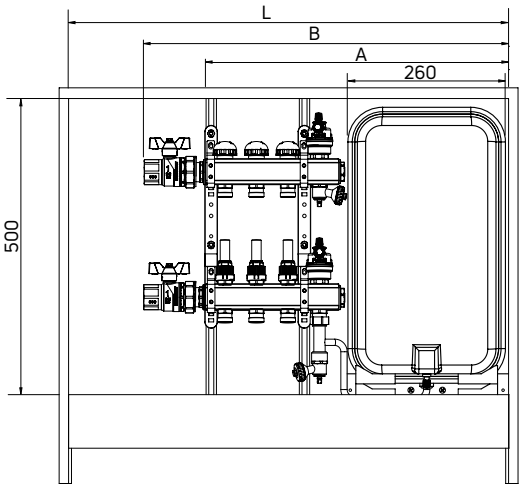
Control T - Electrothermic head

Dimensions



Kit expansion vessel for connection to distribution manifolds Topway in Metalbox Plus cabinet

Distribution module in metal cabinet



No. of ways recommended of Topway manifolds 1":
- with expansion tank 8 liters in Metalbox Plus for 80 and 120 mm brick thickness
- with expansion tank 10 liters in Metalbox Plus for 120 mm brick thickness

L [mm]		N° Ways	A [mm]	B 1 [mm]	B 2 [mm]
500		2	430	-	-
600	1 2	2	430	530	540
700	1 2	2	430	530	540
700	1 2	3	480	580	590
850	1 2	4	530	630	640
850	1 2	5	580	680	690
850	1 2	6	630	730	740
1000	1 2	7	680	780	790
1000	1 2	8	730	830	840
1000	1 2	9	780	880	890
1200	1 2	10	830	930	940
1200	1 2	11	880	980	990
1200	1 2	12	930	1030	1040

1 With kit straight Progress ball valves 1"
2 With kit right-angle Progress ball valves 1"

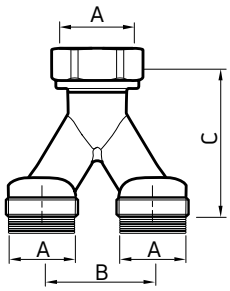
No. of ways recommended of Topway manifolds 1"1/4:
- with expansion tank 8 or 10 liters in Metalbox Plus for 120 mm brick thickness

L [mm]		N° Ways	A [mm]	B 1 [mm]	B 2 [mm]
500		2	430	-	-
600	1 2	2	430	565	550
700	1 2	2	430	565	550
850	1 2	3	480	615	600
850	1 2	4	530	665	650
850	1 2	5	580	715	700
1000	1 2	6	630	735	720
1000	1 2	7	680	815	800
1000	1 2	8	730	865	850
1200	1 2	9	780	915	900
1200	1 2	10	830	965	950
1200	1 2	11	880	1015	1000
1200	1 2	12	930	1065	1050

1 With kit straight Progress ball valves 1"1/4
2 With kit right-angle Progress ball valves 1"1/4

Splitter fitting

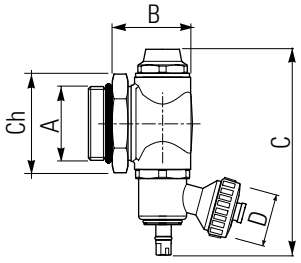
for Topway / Topway S manifolds with 24x19 or 3/4" Eurocone takeoffs



Model	A	B [mm]	C [mm]
24x19	24x19	36	58
3/4" Eurocone	3/4" Ek	36	49,5

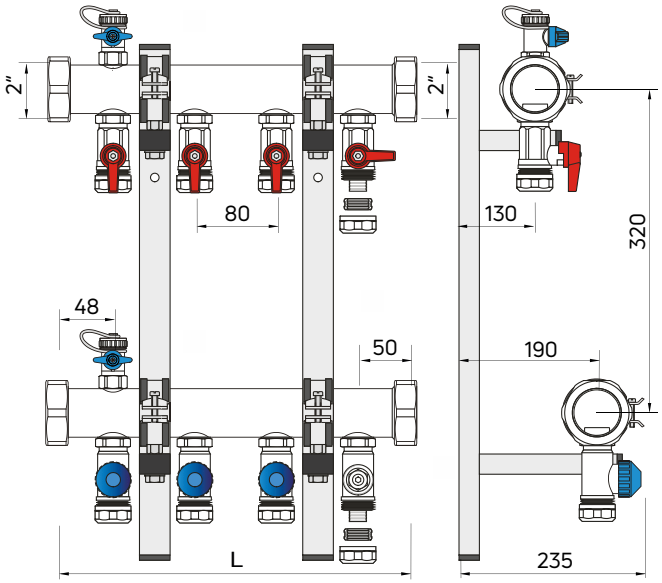
Terminal with manual vent valve and swivel bibcock

Dimension	A	B mm	C mm	D	Ch mm
1"	G 1	36	92	3/4"	38



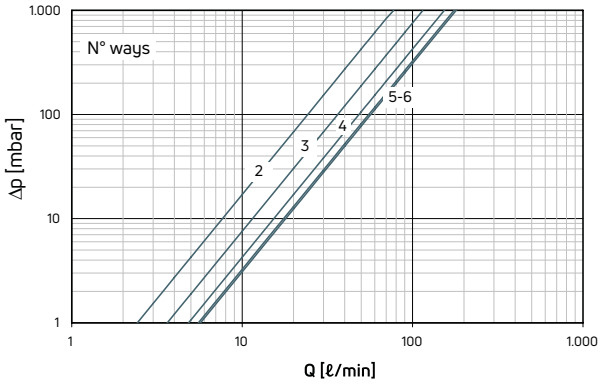
Industrial Floor distribution manifold

Dimensional and performance data

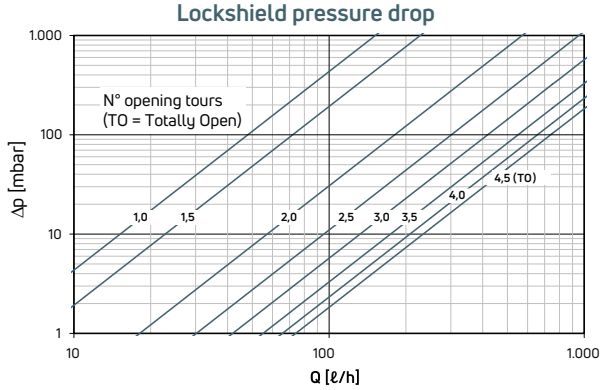


N° ways	L [mm]
3+3	258
4+4	338
5+5	418
6+6	498

Flow bar+ return bar pressure drop

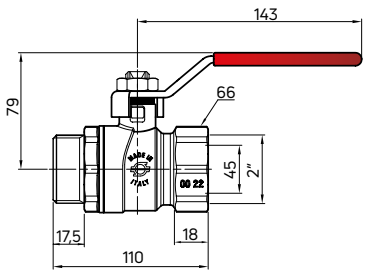


Lockshield pressure drop

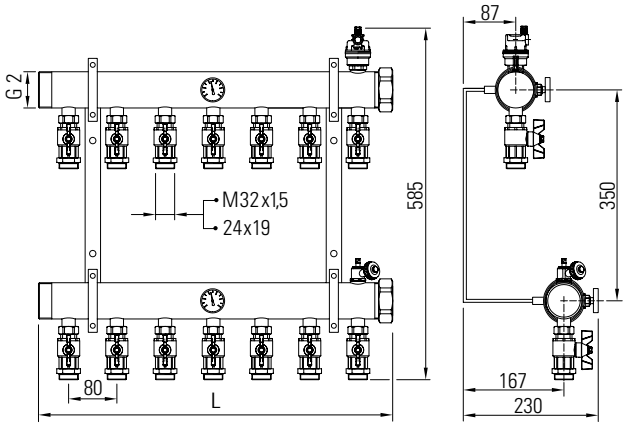


2" ball valve

Dimensional data

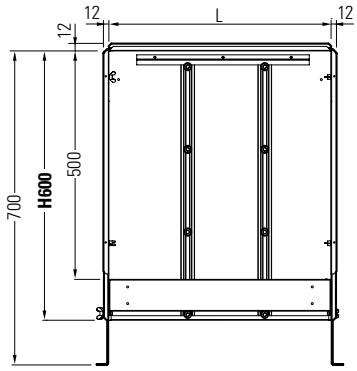


Industrial floor manifold

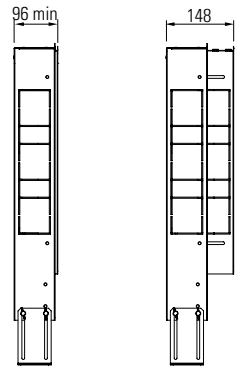


N. ways	5	6	7	8	9	10	11	12	13	14	15
L [mm]	430	510	590	670	750	830	910	990	1070	1150	1230

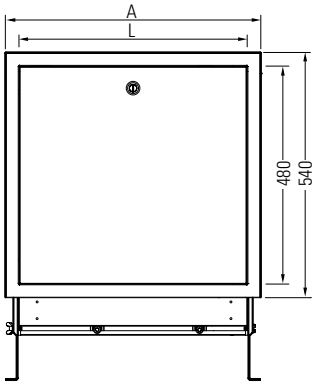
Metalbox Plus:
Built-in cabinet for manifolds, regulation groups, under boiler kit and accounting modules (H600)



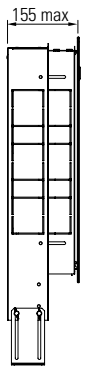
Metalbox for 80 and 120 mm brick thickness (frontal ways)



Metalbox for 80 and 120 mm brick thickness (lateral ways)

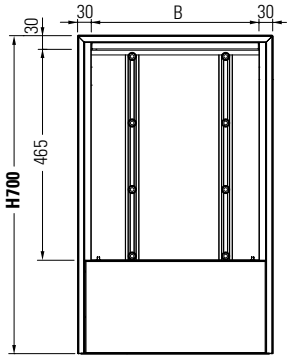


Metalbox for 80 and 120 mm brick thickness (frontal ways body + frame + door)

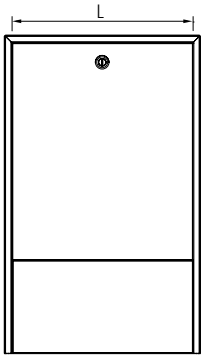


Metalbox for 80 and 120 mm brick thickness (lateral ways body + frame + door)

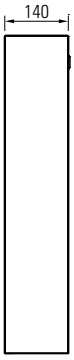
Metalbox:
External manifolds cabinet (H700)



Partially recessed Metalbox (frontal ways)

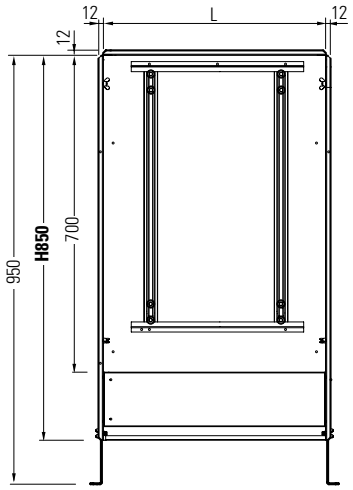


Partially recessed Metalbox (frontal ways carter + door)

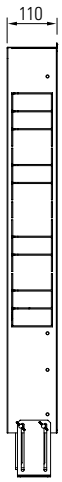


Partially recessed Metalbox (lateral ways carter + door)

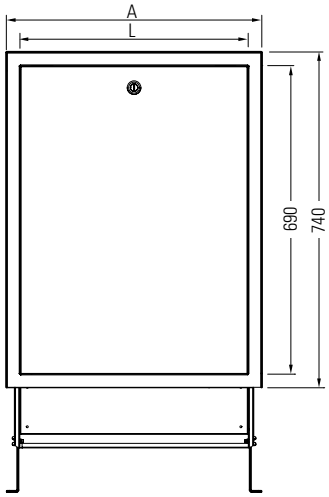
Metalbox:
Built-in cabinet for Modular Firstbox - Energy Combibox Floor HIU (H850)



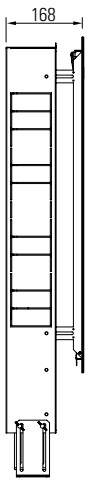
Metalbox for 120 mm brick thickness (frontal ways)



Metalbox for 120 mm brick thickness (lateral ways)



Metalbox for 120 mm brick thickness (frontal ways body + frame + door)



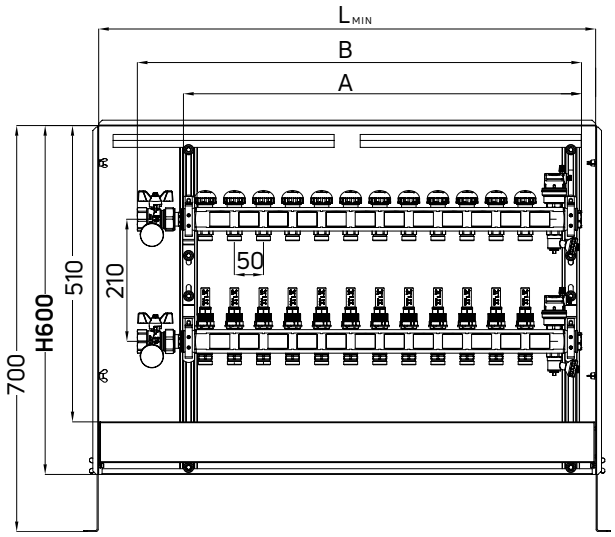
Metalbox for 120 mm brick thickness (lateral ways body + frame + door)

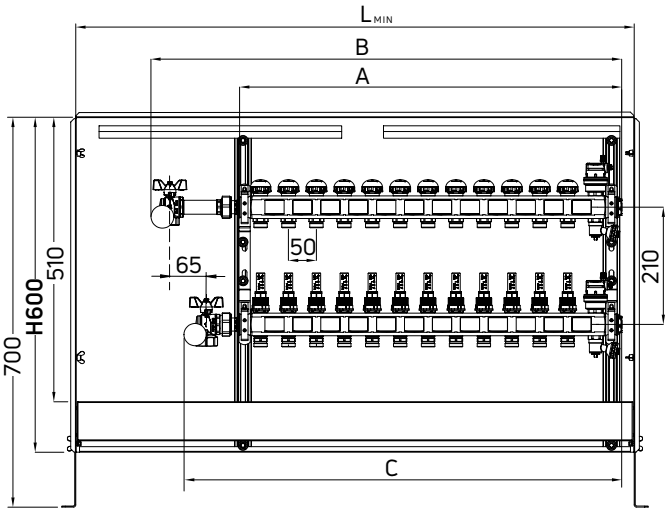
Table dimensions Metalbox Plus manifolds cabinet

Sizes [mm]	H 600/H700/H850	H 600	H 600/H700/H850	H 600/H700/H850	H 600/H700/H850	H 600/H700/H850
L	500	600	700	850	1000	1200
A	560	660	760	910	1060	1260
B	470	/	670	820	970	1170

Topway S manifolds + accessories. Dimensions in cabinet

With Progress valves + thermometers





In combination with Topway S manifolds in metal cabinet

N. ways	A [mm]	B [mm]	L_{MIN} [mm]
2	184	264	**500**
3	234	314	**500**
4	284	364	**500**
5	334	414	**500**
6	384	464	**500**
7	434	514	**600**
8	484	564	**600**
9	534	614	**700**
10	584	664	**700**
11	634	714	**850**
12	684	764	**850**

Note: L_{MIN} inclusive of fittings pressing dimensions:
- with 1" straight Progress valve kit with unions;
- with 1" straight Progress valves kit with thermometers and unions.

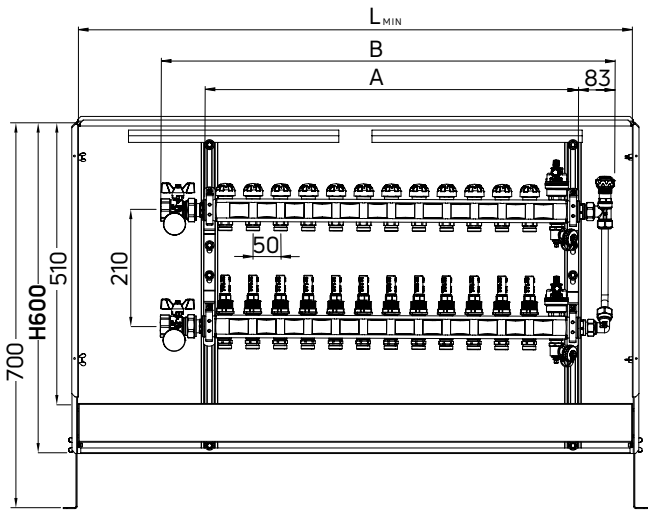
In combination with Topway S manifolds in metal cabinet

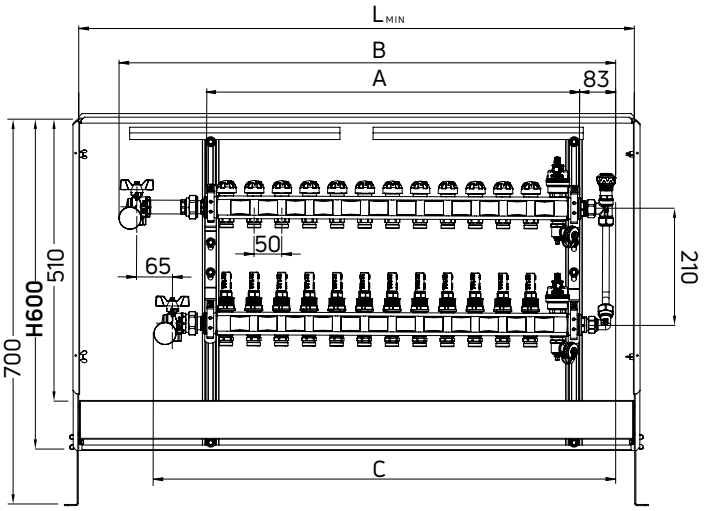
N. ways	A [mm]	B [mm]	C [mm]	L_{MIN} [mm]
2	184	344	279	**500**
3	234	394	329	**500**
4	284	444	379	**500**
5	334	494	429	**600**
6	384	544	479	**600**
7	434	594	529	**700**
8	484	644	579	**700**
9	534	694	629	**850**
10	584	744	679	**850**
11	634	794	729	**850**
12	684	844	779	**1000**

Note: L_{MIN} inclusive of fittings pressing dimensions:
- with Progress angle valve kit with unions
- with Progress angle valve kit with unions and thermometers

Topway S manifolds + accessories. Dimensions in cabinet

With Progress valves + thermometers and by-pass terminal kit





Topway S manifold combination in metal cabinet

N. ways	A [mm]	B [mm]	L_{MIN} [mm]
2	175	337	500
3	225	387	500
4	275	437	600
5	325	487	600
6	375	537	700
7	425	587	700
8	475	637	850
9	525	687	850
10	575	737	850
11	625	787	1000
12	675	837	1000

Note: L_{MIN} inclusive of fittings pressing dimensions:
- with 1" straight Progress valve kit with unions
- with 1" straight Progress valve kit with unions and thermometers

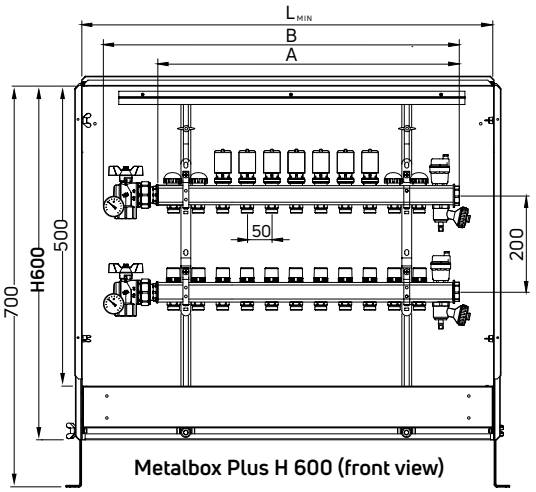
Topway S manifold combination in metal cabinet

N. ways	A [mm]	B [mm]	C [mm]	L_{MIN} [mm]
2	174	415	350	500
3	224	465	400	600
4	274	515	450	600
5	324	565	500	700
6	374	615	550	700
7	424	665	600	850
8	474	715	650	850
9	524	765	700	850
10	574	815	750	1000
11	624	865	800	1000
12	674	915	850	1000

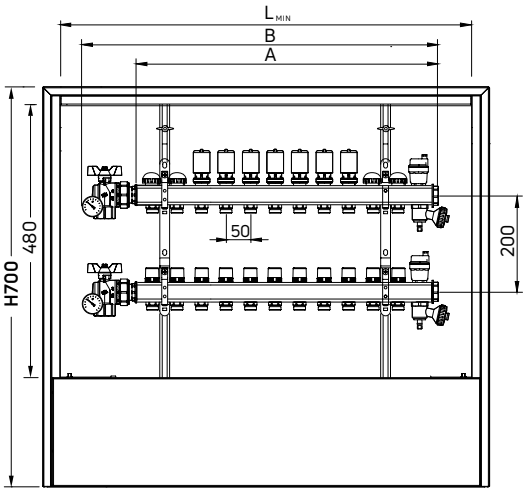
Note: L_{MIN} inclusive of fittings pressing dimensions:
- with Progress angle valve kit 1" with unions
- with Progress 1" angle valve kit with unions and thermometers

Topway manifolds (all versions) + accessories. Dimensions in cabinet

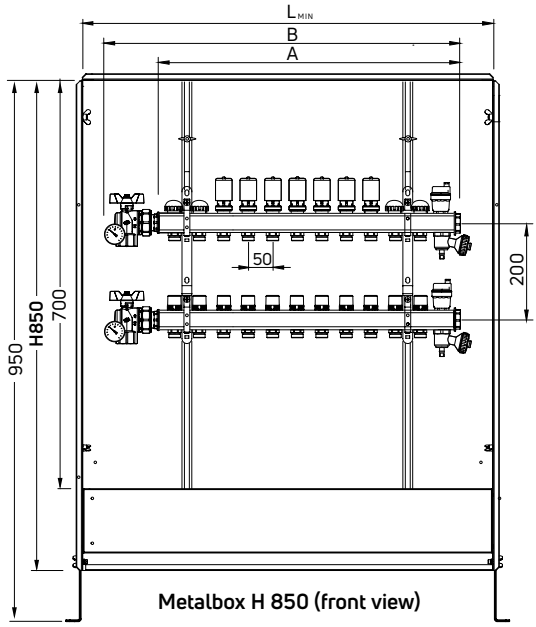
With Progress valves + thermometers



Metalbox Plus H 600 (front view)



External Metalbox H 700 (front view)



Metalbox H 850 (front view)

Combination of Topway 1" manifolds in metal cabinet

N. ways	A [mm]	B 1 [mm]	B 2 [mm]	L_{MIN} [mm]
2	172	270	280	**500**
3	222	320	330	**500**
4	272	370	380	**500**
5	322	420	430	**500**
6	372	470	480	**600**
7	422	520	530	**600**
8	472	570	580	**700**
9	522	620	630	**700**
10	572	670	680	**850**
11	622	720	730	**850**
12	672	770	780	**1000**

Note: L_{MIN} inclusive of fittings pressing overall dimensions

1 With straight Progress valve kit 1" with thermometers and unions

2 With angle Progress valve kit 1" with thermometers and unions

Combination of Topway 1"1/4 manifolds in metal cabinet

N. ways	A [mm]	B 1 [mm]	B 2 [mm]	L_{MIN} [mm]
2	182	316	300	**500**
3	232	366	350	**600**
4	282	416	400	**600**
5	332	466	450	**700**
6	382	516	500	**700**
7	432	566	550	**850**
8	482	616	600	**850**
9	532	666	650	**850**
10	582	716	700	**1000**
11	632	766	750	**1000**
12	682	816	800	**1000**

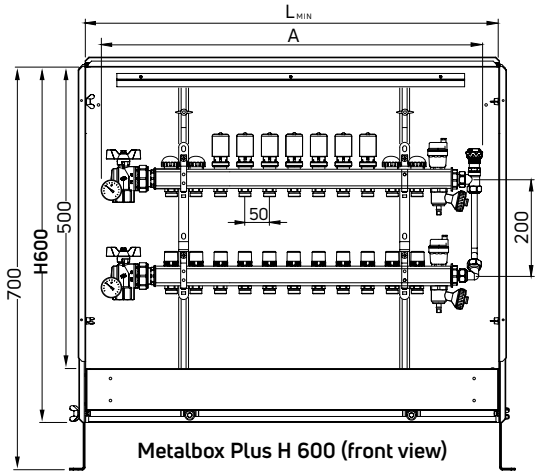
Note: L_{MIN} inclusive of fittings pressing overall dimensions

1 With straight Progress valve kit 1"1/4 with thermometers and unions

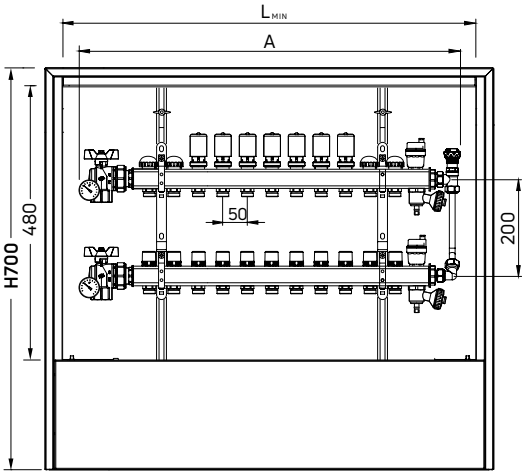
2 With angle Progress valve kit 1"1/4 with thermometers and unions

Topway manifolds (all versions) + accessories. Dimensions in cabinet

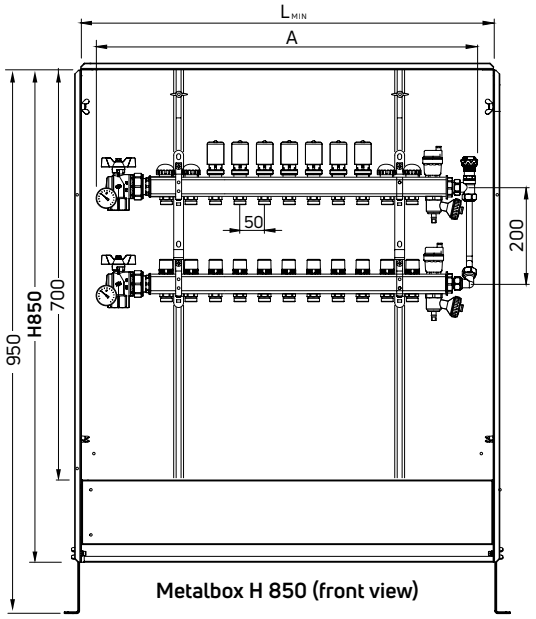
With Progress valves + thermometers and by-pass terminal kit



Metalbox Plus H 600 (front view)



External Metalbox H 700 (front view)



Metalbox H 850 (front view)

Combination of Topway 1" manifolds in metal cabinet

N. ways	A 1 [mm]	A 2 [mm]	L_{MIN} 1 [mm]	L_{MIN} 2 [mm]
2	357	367	**500**	**500**
3	407	417	**500**	**500**
4	457	467	**600**	**600**
5	507	517	**600**	**600**
6	557	567	**700**	**700**
7	607	617	**700**	**700**
8	657	667	**850**	**850**
9	707	717	**850**	**850**
10	757	757	**850**	**850**
11	807	817	**1000**	**1000**
12	857	867	**1000**	**1000**

Note: L_{MIN} inclusive of fittings pressing overall dimensions
1 With straight Progress valve kit 1" with thermometers and unions
2 With angle Progress valve kit 1" with thermometers and unions

Combination of Topway 1"1/4 manifolds in metal cabinet

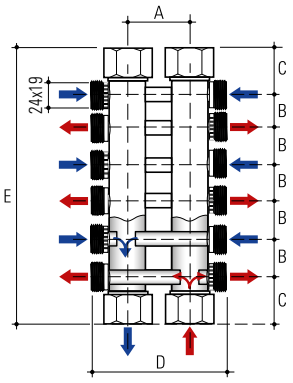
N. ways	A 1 [mm]	A 2 [mm]	L_{MIN} 1 [mm]	L_{MIN} 2 [mm]
2	415	395	**600**	**500**
3	465	445	**600**	**600**
4	515	495	**700**	**600**
5	565	545	**850**	**700**
6	615	595	**850**	**700**
7	665	645	**850**	**850**
8	715	695	**850**	**850**
9	765	745	**1000**	**850**
10	815	795	**1000**	**850**
11	865	845	**1000**	**1000**
12	915	895	**1000**	**1000**

Note: L_{MIN} inclusive of fittings pressing overall dimensions
1 With straight Progress valve kit 1"1/4 with thermometers and unions
2 With angle Progress valve kit 1"1/4 with thermometers and unions

Mixer - Steel coplanar manifold

Mixer **Steel coplanar manifold**

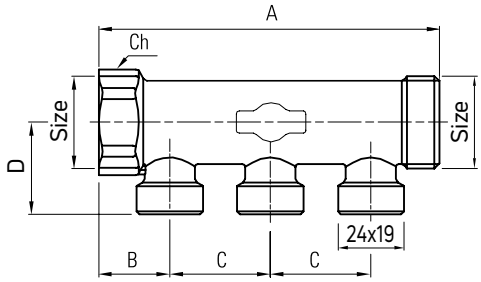
NEW



Size	N. ways	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
3/4"	4 x 4	55	36	37	125	182
3/4"	6 x 6	55	36	37	125	254
3/4"	8 x 8	55	36	37	125	326

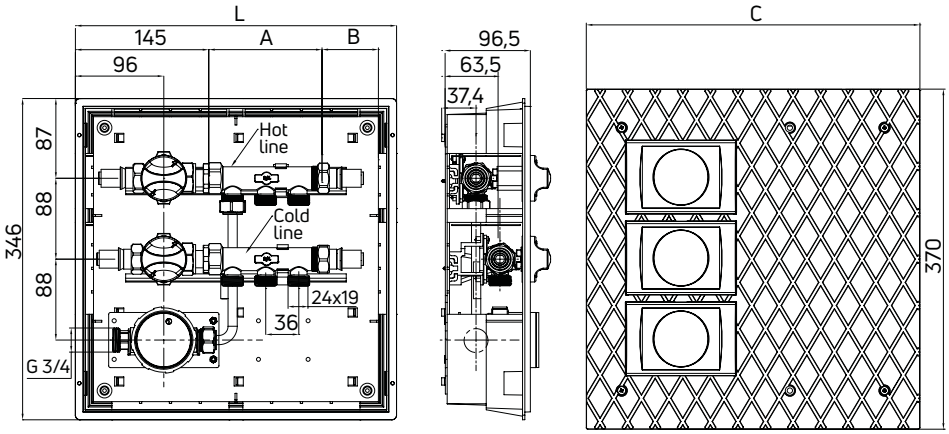
Modular - Brass manifold

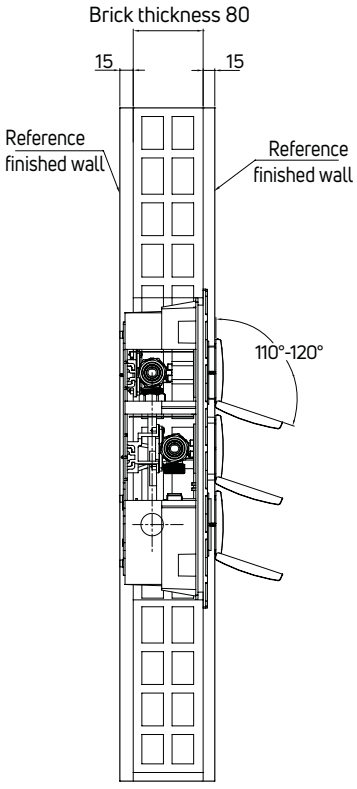
Brass manifold takeoffs 36 mm



Size	N. ways	DN	A [mm]	B [mm]	C [mm]	D [mm]	CH [mm]	PN bar	g
G 3/4"	2	20	85	24,5	36	29	31	10	185
G 3/4"	3	20	121	24,5	36	29	31	10	230
G 3/4"	4	20	157	24,5	36	29	31	10	330
G 1"	2	25	86	25,5	36	33	38	10	240
G 1"	3	25	122	25,5	36	33	38	10	325
G 1"	4	25	158	25,5	36	33	38	10	410

Hydrobox - Recessed box for water



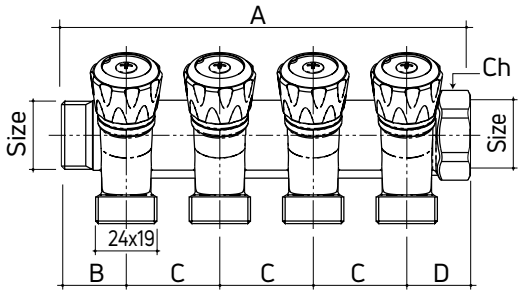


Hydrobox Basic

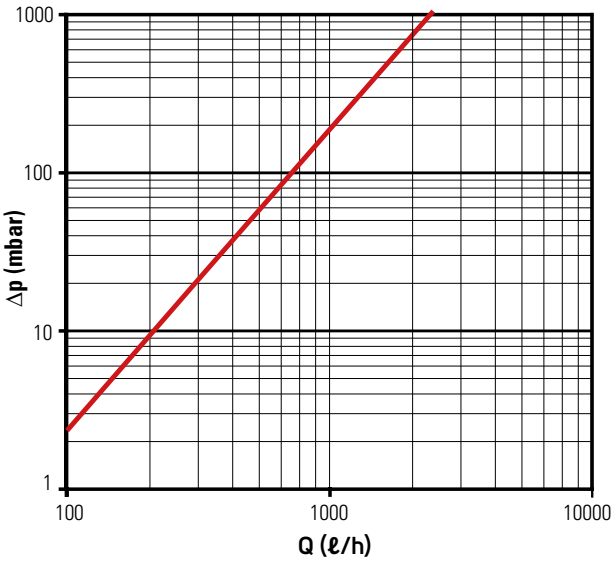
Recessed box for water with ball valves and retractable knobs

Box model	L [mm]	N. ways	A [mm]	B [mm]	C [mm]
310 x 310	350	2	85	100	363
		3	121	64	
		4	157	28	
460 x 310	500	2	85	252	513
		3	121	216	
		4	157	180	
		2 + 3	215	122	
		3 + 3	251	86	
		3 + 4	287	50	
		4 + 4	323	14	

Brass manifold with isolating taps



Single way pressure drop (Kv max) with fully open tap



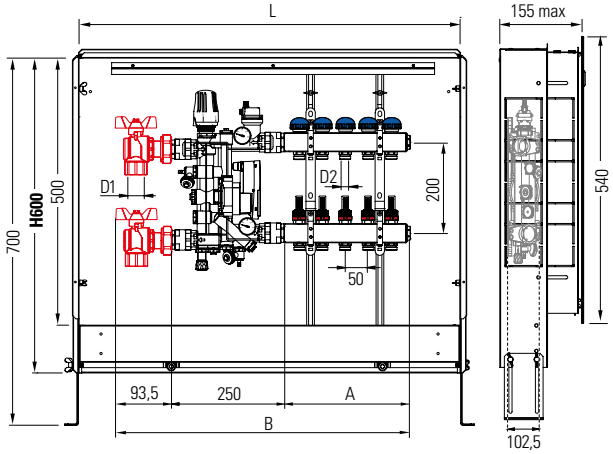
Size	N° ways	A [mm]	B [mm]	C [mm]	D [mm]	CH [mm]
G 3/4"	2	86	25	36	24,5	31
G 3/4"	3	122	25	36	24,5	31
G 3/4"	4	158	25	36	24,5	31
G 1"	2	92	27	36	27,5	37
G 1"	3	128	27	36	27,5	37
G 1"	4	164	27	36	27,5	37

Floor Control Unit S - Regulation group

Floor Control Unit S Low (L)

Low-temperature control and distribution unit

NEW



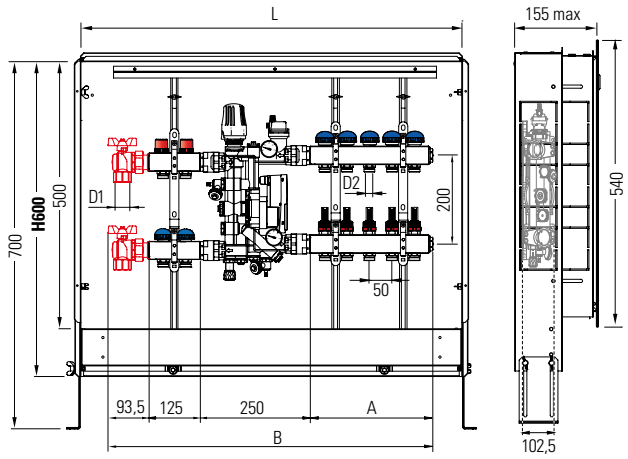
Model	N. ways HIGH temp.	N. ways LOW temp.	A [mm]	B [mm]	L [mm]	D1	D2
3L	–	3	184	528	600	Rp 1"	24x19
4L	–	4	234	578	700 (*)		
5L	–	5	284	628	850		
6L	–	6	334	678	850		
7L	–	7	384	728	850		
8L	–	8	434	778	1000		
9L	–	9	484	828	1000		
10L	–	10	534	878	1000 (*)		
11L	–	11	584	928	1200		
12L	–	12	634	978	1200		
13L	–	13	684	1028	1200 (*)		

(*) Only compatible with Progress 1" angle valve kit

Floor Control Unit S High+Low (2H + L)

Control and distribution unit with 2-ways high temperature + low temperature

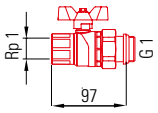
NEW



Model	N. ways HIGH temp.	N. ways LOW temp.	A [mm]	B [mm]	L [mm]	D1	D2
2H + 3L	2	3	184	653	850	Rp 1"	24x19
2H + 4L	2	4	234	703	850		
2H + 5L	2	5	284	753	850		
2H + 6L	2	6	334	803	1000		
2H + 7L	2	7	384	853	1000 (*)		
2H + 8L	2	8	434	903	1200		
2H + 9L	2	9	484	953	1200		
2H + 10L	2	10	534	1003	1200		
2H + 11L	2	11	584	1053	1200		
2H + 12L	2	12	634	1103	1200		
2H + 13L	2	13	684	1153	1200 (*)		

(*) Only compatible with Progress 1" angle valve kit

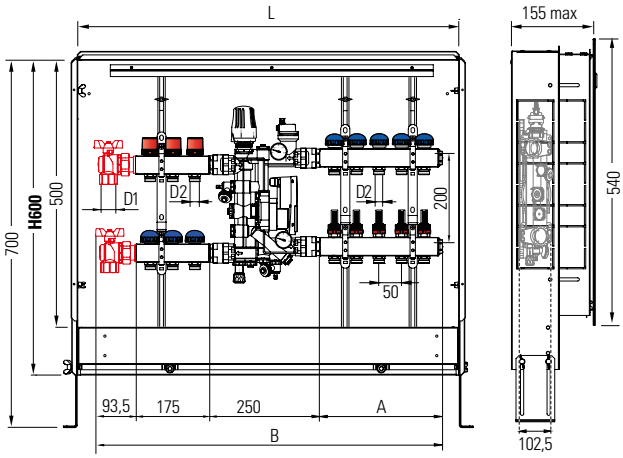
Straight Progress 1" valve kit with pipe union



Floor Control Unit S High+Low (3H + L)

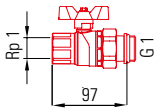
3-ways control and distribution unit
high temperature + low temperature

NEW



Model	N. ways HIGH temp.	N. ways LOW temp.	A [mm]	B [mm]	L [mm]	D1	D2
3H + 3L	3	3	184	703	850	Rp 1"	24x19
3H + 4L	3	4	234	753	850		
3H + 5L	3	5	284	803	1000		
3H + 6L	3	6	334	853	1000 (*)		
3H + 7L	3	7	384	903	1200		
3H + 8L	3	8	434	953	1200		
3H + 9L	3	9	484	1003	1200		
3H + 10L	3	10	534	1053	1200		
3H + 11L	3	11	584	1103	1200		
3H + 12L	3	12	634	1153	1200 (*)		

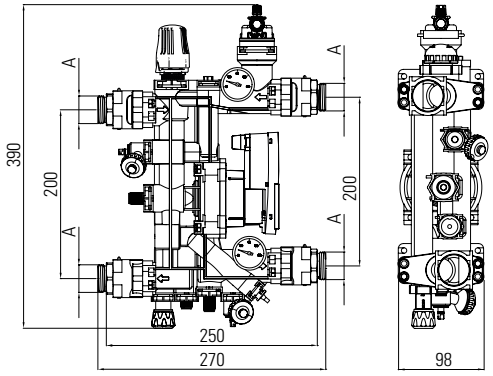
Straight Progress 1" valve kit with pipe union



(*) Only compatible with Progress 1" angle valve kit

Mixing Unit M3V

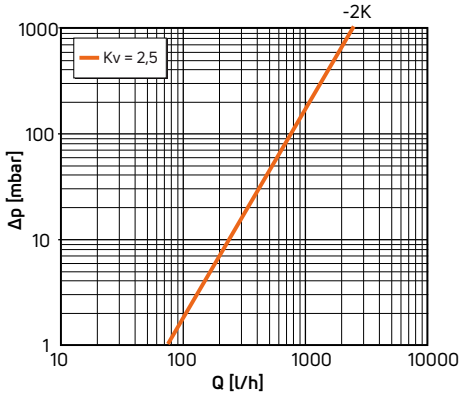
Mixing unit for low-temperature systems



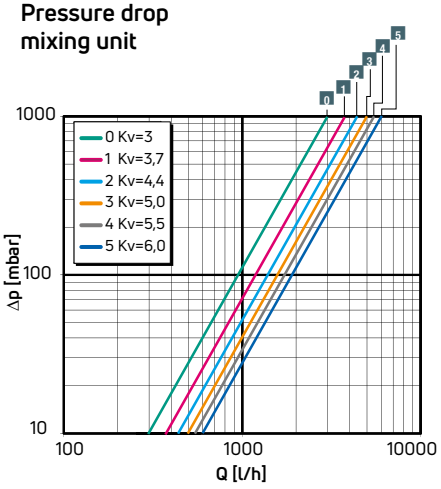
Model	A
1"	G 1
1" 1/4	G 1 1/4

Mixing group pressure drops

Mixing valve pressure losses in Floor Control Unit S and Mixing Unit M3V



Pressure drop mixing unit

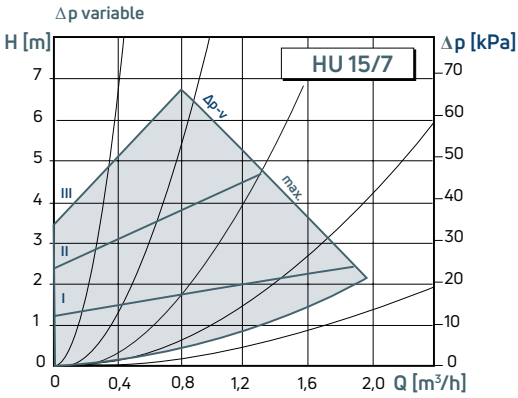


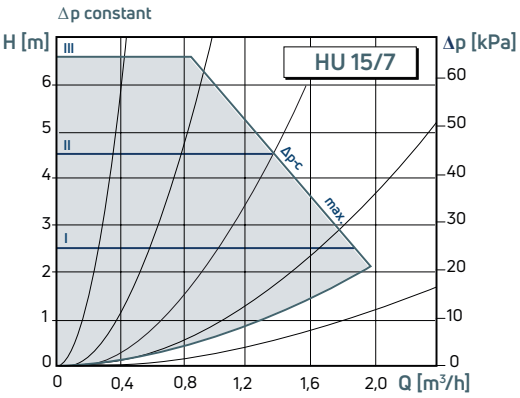
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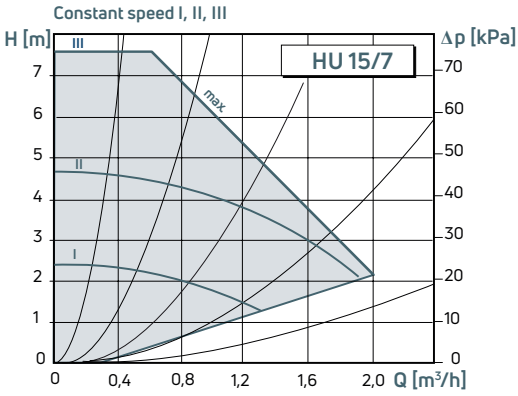
Position valve of calibration and by-pass.

Performance measured at -2K

Wilo Para HU 15/7 Circulator Diagram

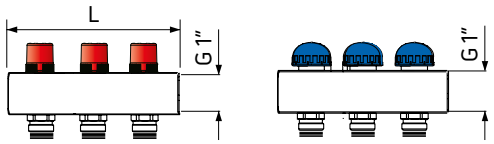






High temperature accessory kit

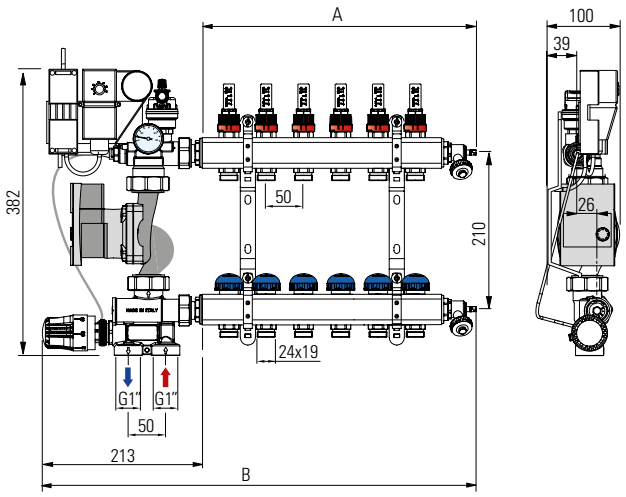
NEW



Model	2H	3H	4H
L [mm]	125	175	225

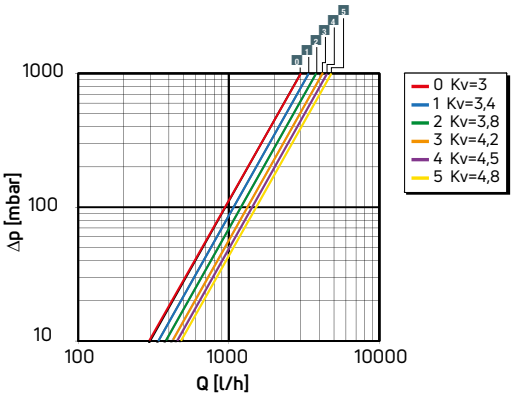
TM3-R Mixing Unit

Regulation group



Model	A [mm]	B [mm]
2 ways	160	373
3 ways	210	423
4 ways	260	473
5 ways	310	523
6 ways	360	573
7 ways	410	623
8 ways	460	673
9 ways	510	723
10 ways	560	773
11 ways	610	823
12 ways	660	873

Mixing unit pressure drop



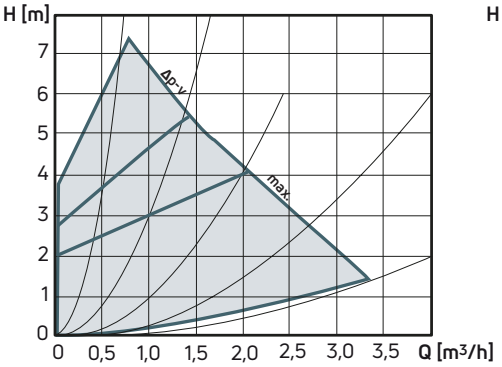
0 5

Setting valve and by-pass position.

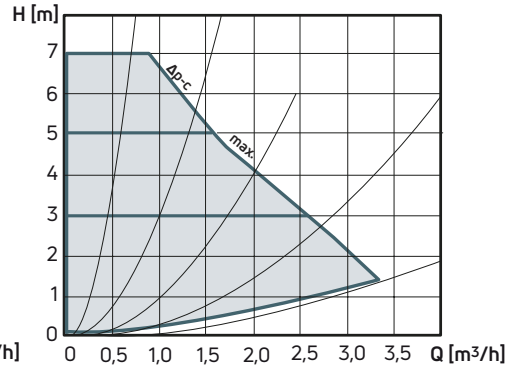
Performance measured at -2K

Wilo Para 25/7 circulator hydraulic performance diagrams

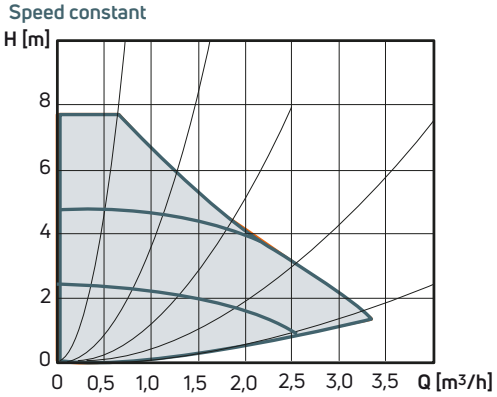
Δp-v Variable



Δp-c Constant



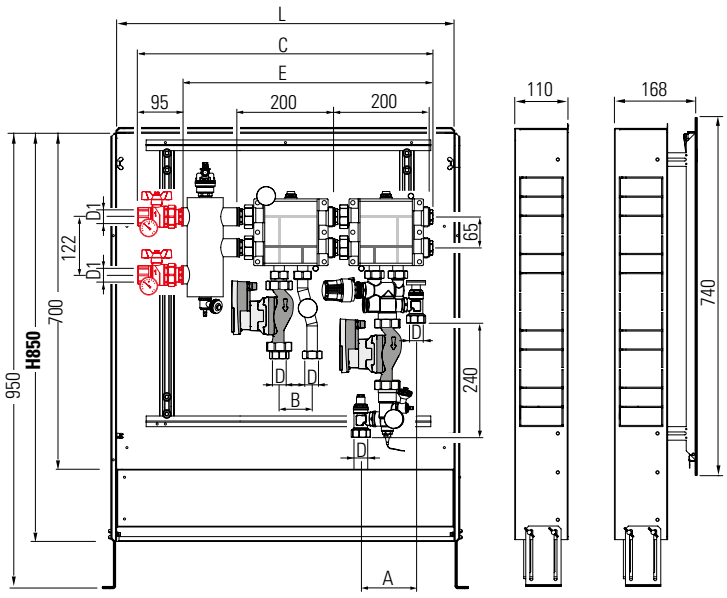
Speed constant



Modular Firstbox - For High-Low temperature systems

Modular Firstbox

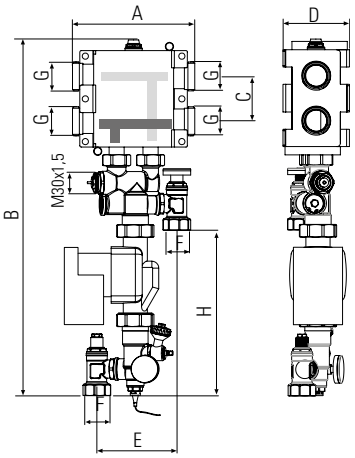
Recessed distribution modules
for High / Low temperature systems



Model	A [mm]	B [mm]	C [mm]	D	D1	E [mm]	L [mm]
1A	min 110 max 120	min 60 max 70	420	G 1	Rp 1	325	500
2H	min 110 max 120	min 60 max 70	620	G 1	Rp 1	525	700
3H	min 110 max 120	min 60 max 70	820	G 1	Rp 1	725	1000
1B	min 110 max 120	min 60 max 70	420	G 1	Rp 1	325	500
2B	min 110 max 120	min 60 max 70	620	G 1	Rp 1	525	700
3L	min 110 max 120	min 60 max 70	820	G 1	Rp 1	725	1000
1A + 1B	min 110 max 120	min 60 max 70	620	G 1	Rp 1	525	700
1A + 2B	min 110 max 120	min 60 max 70	820	G 1	Rp 1	725	1000
2H + 1B	min 110 max 120	min 60 max 70	820	G 1	Rp 1	725	1000

Modular Firstbox

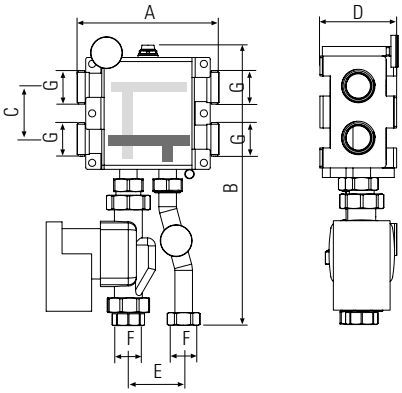
Single distribution modules for low temperature systems



Model	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F	G	H [mm]
1B	178	516	65	96	min 110 max 120	G 1 F	G 1 ¼ M G 1 F	240

Modular Firstbox

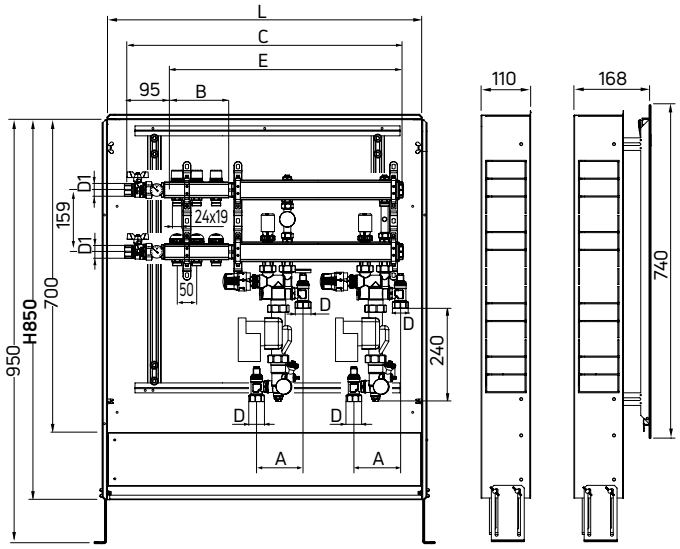
Single distribution modules for high temperature systems



Model	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F	G
1A	178	351	65	96	min 60 max 70	G 1 F	G 1 ¼ M G 1 F

Modular Firstbox

Recessed distribution system for low temperature systems with connections for high temperature terminals

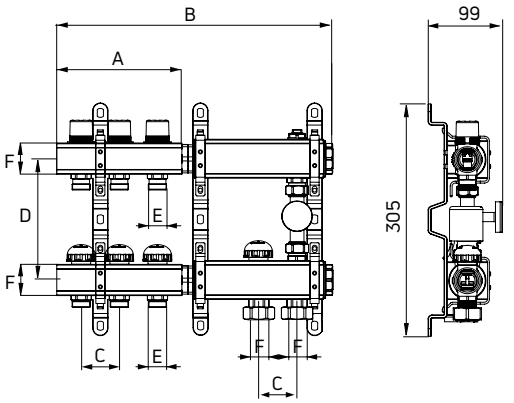


Model	A [mm]	B [mm]	C [mm]	D	D1	E [mm]	L [mm]
2H + 1B	min 110 max 120	114	420	G 1	Rp 1	325	500
3H + 1B	min 110 max 120	164	470	G 1	Rp 1	375	700
2H + 2B	min 110 max 120	114	670	G 1	Rp 1	565	850
3H + 2B	min 110 max 120	164	720	G 1	Rp 1	625	850

Modular Firstbox

Distribution system single module

ingle distribution module for low temperature systems, with auxiliary connections for high temperature terminals

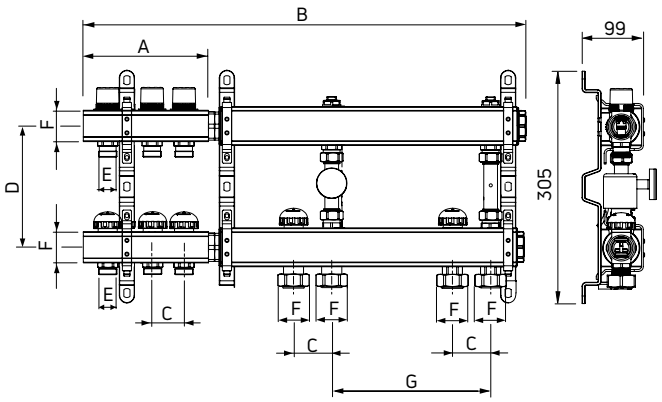


Model	A [mm]	B [mm]	C [mm]	D [mm]	E	F
2H	114	325	50	159	24x19	G 1
3H	164	375	50	159	24x19	G 1

Modular Firstbox

Distribution system double module

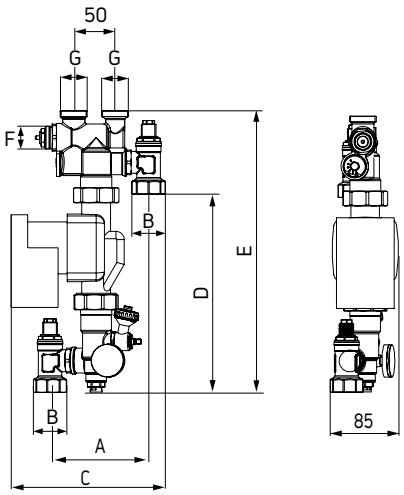
Double distribution module for low temperature systems, with auxiliary connections for high temperature terminals



Model	A [mm]	B [mm]	C [mm]	D [mm]	E	F	G [mm]
2H	114	565	50	159	24x19	G 1	250
3H	164	625	50	159	24x19	G 1	250

Modular Firstbox

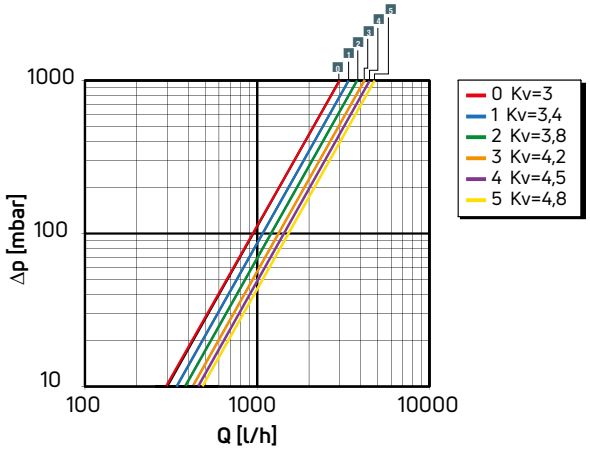
Regulation group with electronic circulator pump



Model	A [mm]	B	C [mm]	D [mm]	E [mm]	F	G
1B	min 110 max 120	G 1	190	240	340	M30x1,5	G 1

Modular Firstbox - Underboiler Kit

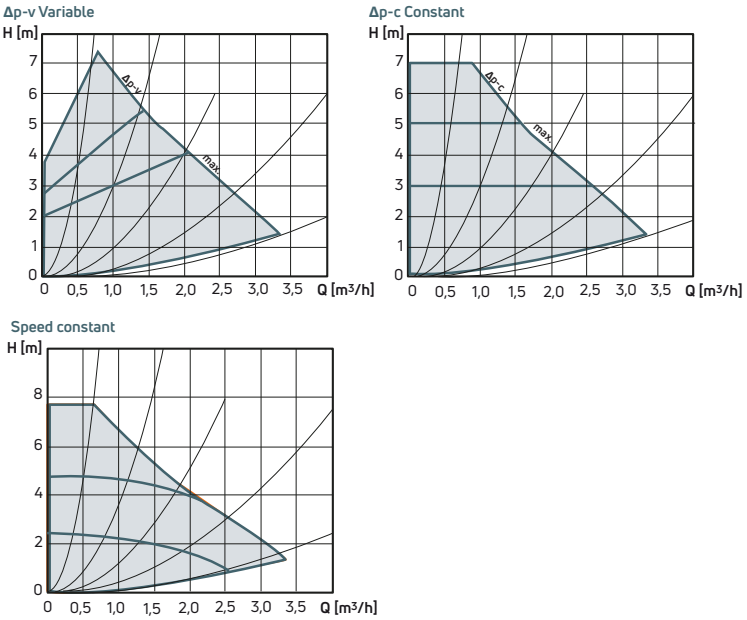
Mixing unit pressure drop



0 ... 5
Valve position of calibration and by-pass.

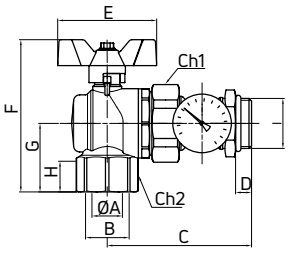
Performance measured at -2K

Wilo Para 25/7 circulator hydraulic performance diagrams

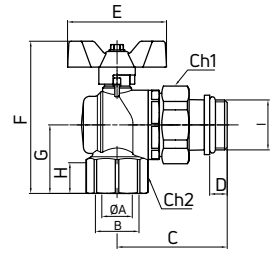


Progress valve kit for Modular Firstbox

Angled with thermometer holder union and thermometers



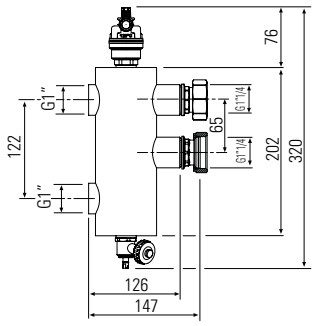
DN [mm]	ØA [mm]	B	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I	Ch1 [mm]	Ch2 [mm]	g
25	25	Rp 1	95	10,5	65	99,5	45	22	1"	47	38	800



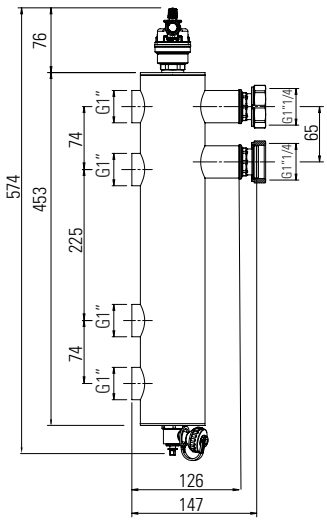
DN [mm]	ØA [mm]	B	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I	Ch1 [mm]	Ch2 [mm]	g
25	25	Rp 1	73,5	11,5	65	99,5	45	22	1"	47	38	688

Open manifold for Modular Firstbox

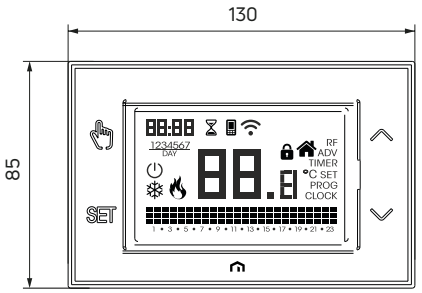
Open manifold 2" 1/2 - takeoff 65 mm 2+2 ways

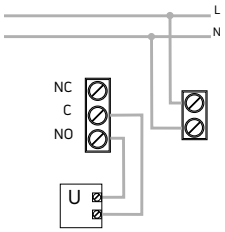


Open manifold 2"1/2 - takeoff 65 mm 4+2 ways NEW

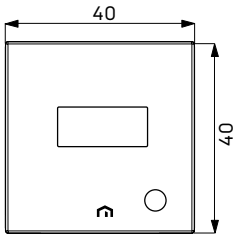


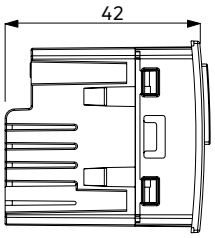
SINTESI Wall Wi-FI and SINTESI Wall Wi-Fi RF

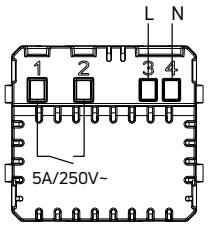




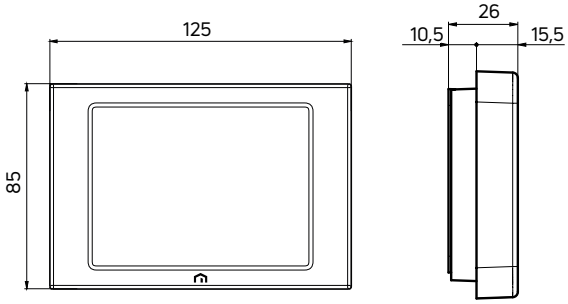
SINTESI Mini Wi-Fi

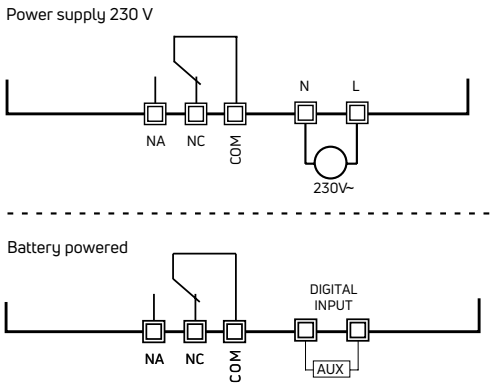






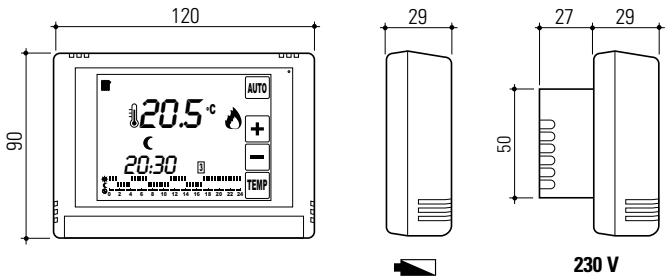
SINTESI Thermostats and chronothermostats





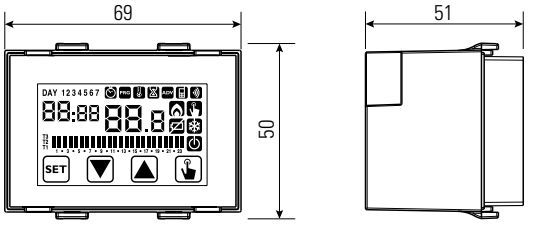
Smarty - Touch Screen Chronotermostat / Thermostat

Dimensions (mm)

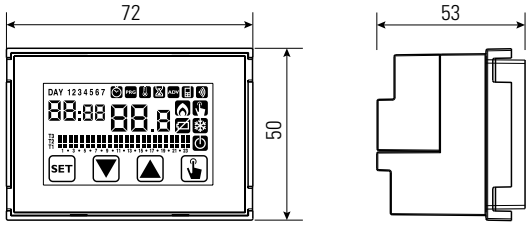


Touch screen Chronotermostat - Recessed

Dimensions (mm) model 230 V

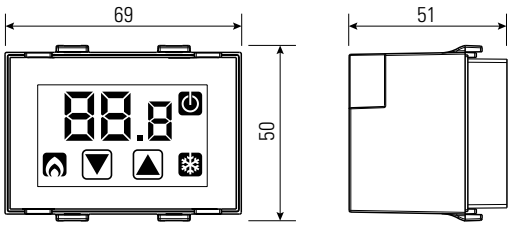


Dimensions (mm) battery model

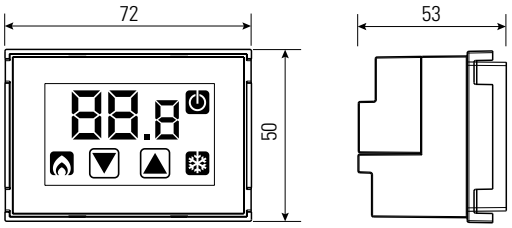


Touch screen Thermostat - Recessed

Dimensions (mm) model 230 V

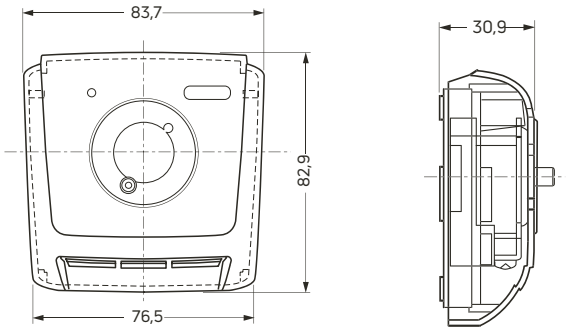


Dimensions (mm) battery model



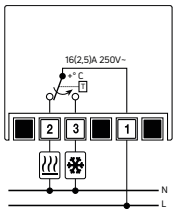
Termec EVO - Room thermostat

Dimensional data

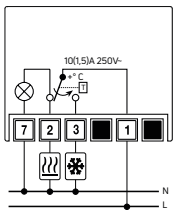


Wiring diagrams

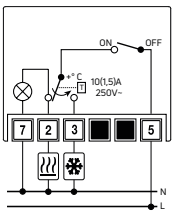
3 contacts



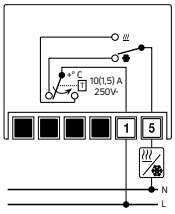
3 contacts with warning light



3 contacts with warning light + on/off switch

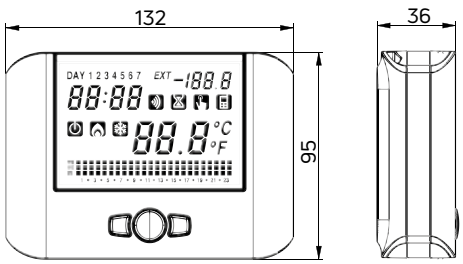


2 contacts with indicator light + comm. summer/winter

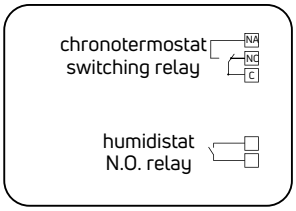


Chronotermostat with humidistat - Wall mounted

Dimensions (mm)

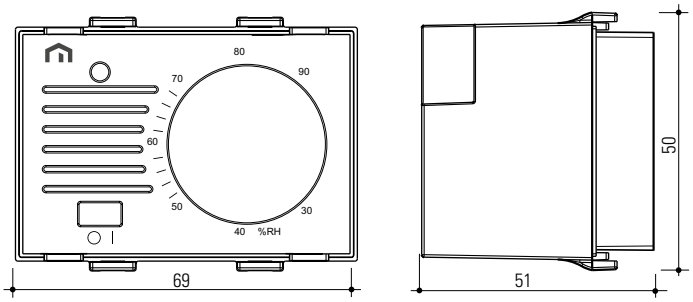


Wiring diagram

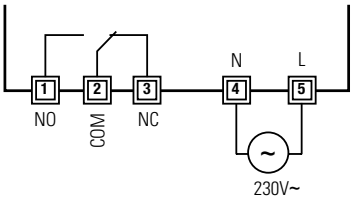


Built-in electronic humidistat

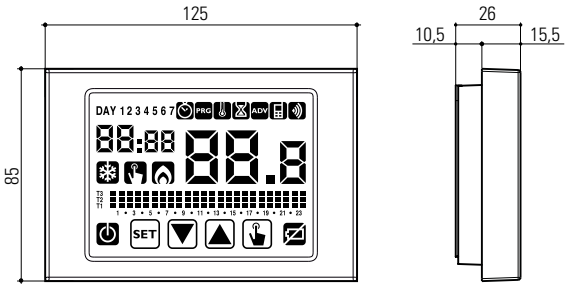
Dimensions (mm)



Connection diagrams

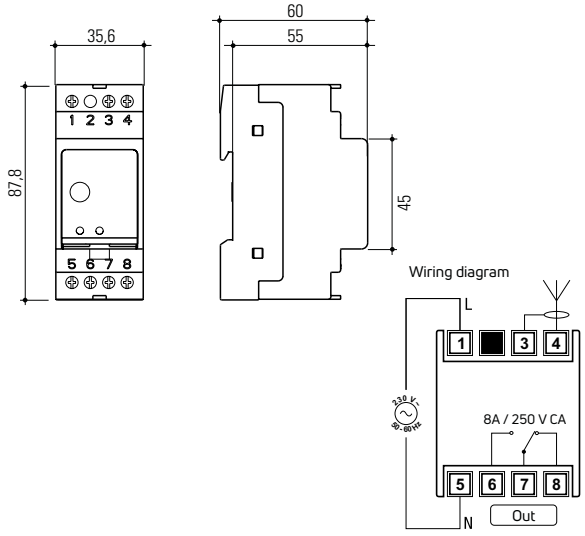


Radio frequency chronothermostat

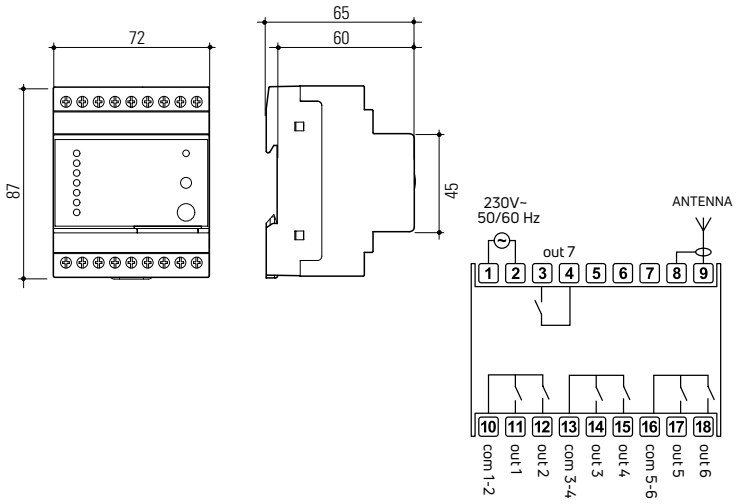


DIN bar radiofrequency actuator

DIN bar radio frequency actuator one channel with fixed delay

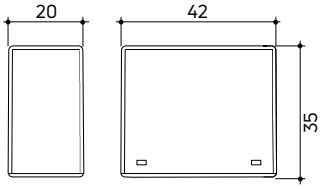


6-channel DIN rail radio frequency actuator, with additional channel, with adjustable delay

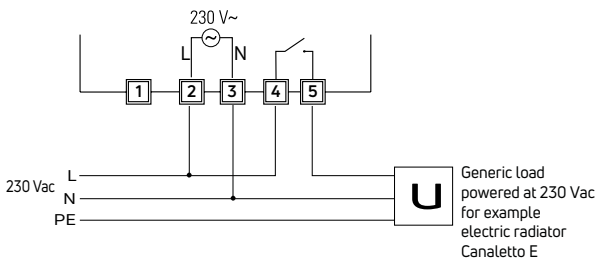


Built-in radiofrequency actuator

Dimensions [mm]

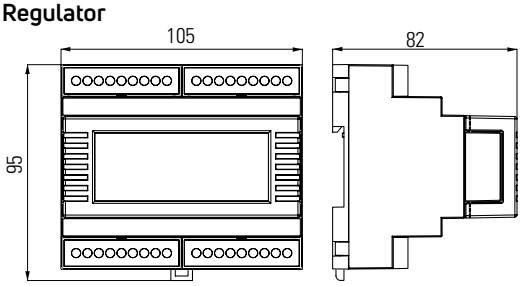


Wiring diagram for controlling a 230 Vac load

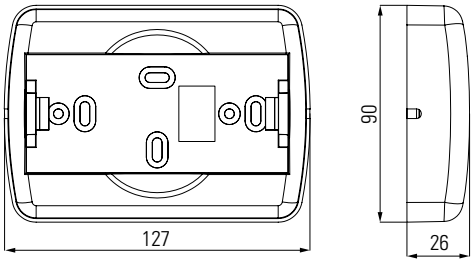


RCE - Emmeti Climatic Regulator for mixing groups

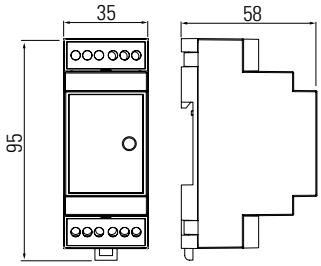
Regulator



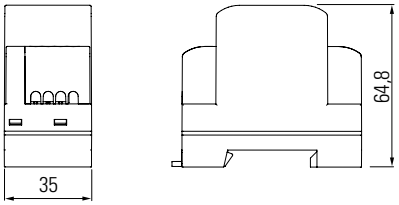
Wall plaque



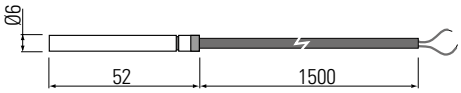
Converter



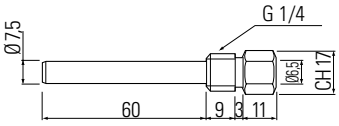
Transformer



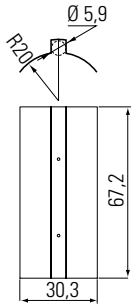
Temperature probe



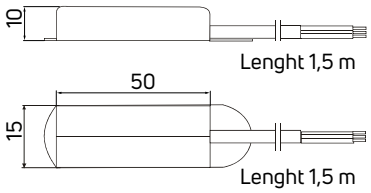
Steel pocket for NTC probes



Probe holder



Condensanting probe



PCOC - Emmeti Climatic Regulator for mixing groups

Modular system

Matrix for the selection of the components of the modules for the environmental thermal control (according to the amount of temperature (T) areas, of the humidity (H) areas, and of the mixing (M) lines. The system can be combined or to ambient temperature/ temperature-humidity blind analogic probes or to ambient temperature/temperature-humidity probes bus with display.

ZONE	1H/1M	2H/1M or 2H/2M	Management servomotors 3 Points
1T	PCOC		MOD_M3P (Optional)
2T	PCOC + MOD_Z1	PCOC + MOD_Z1	
3T	PCOC + MOD_Z1	PCOC + MOD_Z1 + MOD_Z2	
4T	PCOC + MOD_Z1	PCOC + MOD_Z1 + MOD_Z2	
5T	PCOC + MOD_Z1	PCOC + MOD_Z1 + MOD_Z2	
6T	PCOC + MOD_Z1 + MOD_Z2	PCOC + MOD_Z1 + MOD_Z2	
7T	PCOC + MOD_Z1 + MOD_Z2	PCOC + MOD_Z1 + MOD_Z2 + MOD_Z3	
8T	PCOC + MOD_Z1 + MOD_Z2	PCOC + MOD_Z1 + MOD_Z2 + MOD_Z3	
9T	PCOC + MOD_Z1 + MOD_Z2	PCOC + MOD_Z1 + MOD_Z2 + MOD_Z3	
10T	PCOC + MOD_Z1 + MOD_Z2 + MOD_Z3	PCOC + MOD_Z1 + MOD_Z2 + MOD_Z3	
11T	PCOC + MOD_Z1 + MOD_Z2 + MOD_Z3		
12T	PCOC + MOD_Z1 + MOD_Z2 + MOD_Z3		
13T	PCOC + MOD_Z1 + MOD_Z2 + MOD_Z3		

T1 - 13: Controlled temperature areas / H1 - 2: Controlled relative humidity areas / M1 - 2: Managed mixing lines

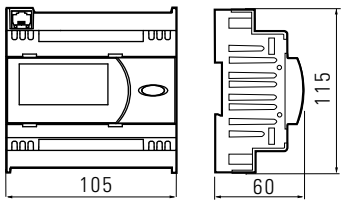
PCOC: Climatic regulator
MOD_Z1: PCOE Module configured as expansion module of the number of areas (1)
MOD_Z2: PCOE Module configured as expansion module of the number of areas (2)
MOD_Z3: PCOE Module configured as expansion module of the number of areas (3)
MOD_M3P: PCOE Module configured as module to manage three-point servomotors for mixing valves

NOTE:
A combination of the regulator with the modules, defined according to the selected matrix shown above, can manage up to two mixing valves or, alternatively, up to two Floor Control Units. **Emmeti can develop additional solutions for specific systems, also centralised ones. For these applications contact our sales network.**

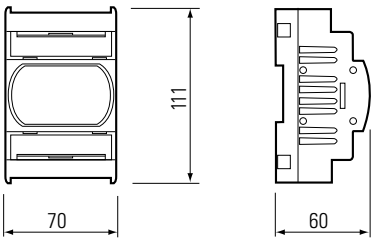
EXAMPLE 1
Management of 5 temperature areas and 2 humidity areas with the use of two mixing valves or two Floor Control Units in both cases with 0-10V servomotors. Basic setting: N° 1 PCOC Regulator + N° 2 Expansion Modules Combined areas (MOD_Z1, MOD_Z2) to control 5 temperature areas and 2 humidity areas and manage the two mixing valves or the two Floor Control Units.

EXAMPLE 2
Management of 5 temperature areas and 2 humidity areas with the use of two mixing valves or two Floor Control Units in both cases with three-point servomotors. Basic setting: N° 1 PCOC Regulator + N° 2 Area Expansion Modules (MOD_Z1, MOD_Z2) + N° 1 Expansion Module to manage three-point servomotors (MOD_M3P) combined to control 5 temperature areas and 2 humidity areas and manage the two mixing valves or the two Floor Control Units.

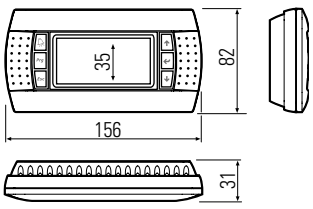
PCOC (6 DIN modules)
Regulator



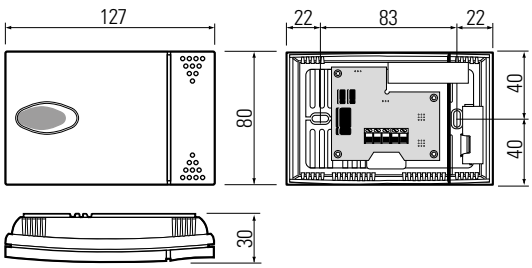
PCOE Module (4 DIN modules)
Expansion module



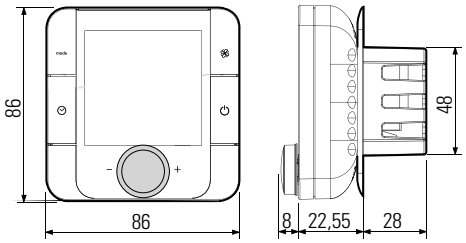
Large Remote Terminal with display



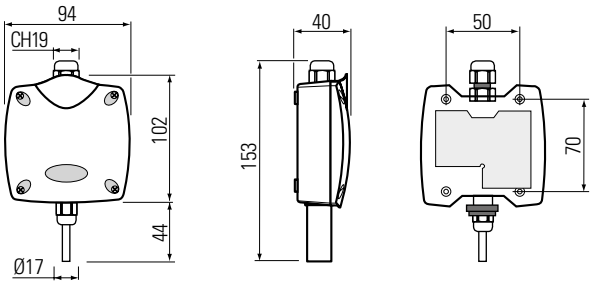
Room temperature probe, temperature - humidity



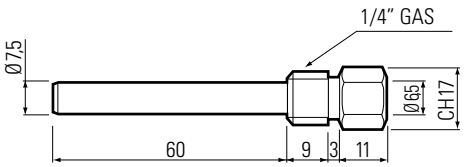
Room temperature probe, temperature - humidity built-in bus with display



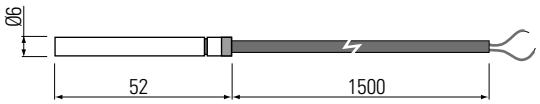
External temperature probe



Socket for immersion type water sensor

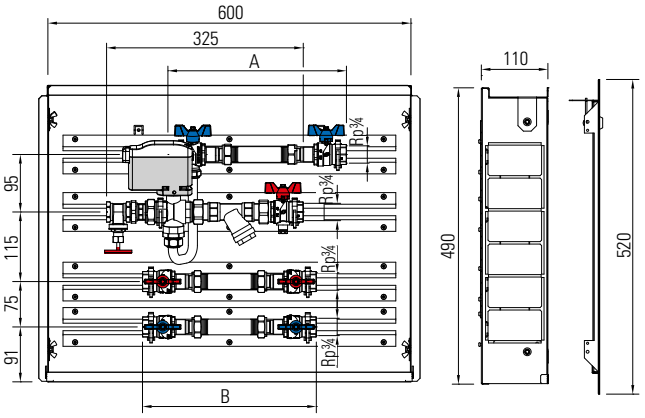


Flow temperature sensor



Energy Box Compact with 4-way zone valve

Heating/cooling metering, with or without domestic water, 4-way zone valve



Model	A [mm]	B [mm]
DN 15 (*)	290	290
DN 20 (**)	310	290
DN 20/DN 20 (***)	310	310

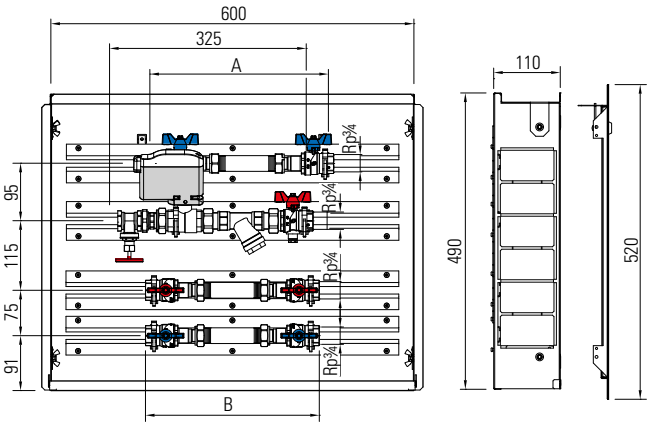
(*) Arrangement for installation of DN15 energy meter (G 3/4 connections) and DN15 volumetric meters (G 3/4 connections)

(**) Arrangement for installation of DN20 energy meter (G 1 connections) and DN15 volumetric meters (G 3/4 connections)

(***) Arrangement for installation of DN20 energy meter (G 1 connections) and DN20 volumetric meters (G 1 connections)

Energy Box Compact with 2-way zone valve

Heating/cooling metering, with or without domestic hot water, 2-way zone valve



Model	A [mm]	B [mm]
DN 15 (*)	290	290
DN 20 (**)	310	290
DN 20/DN 20 (***)	310	310

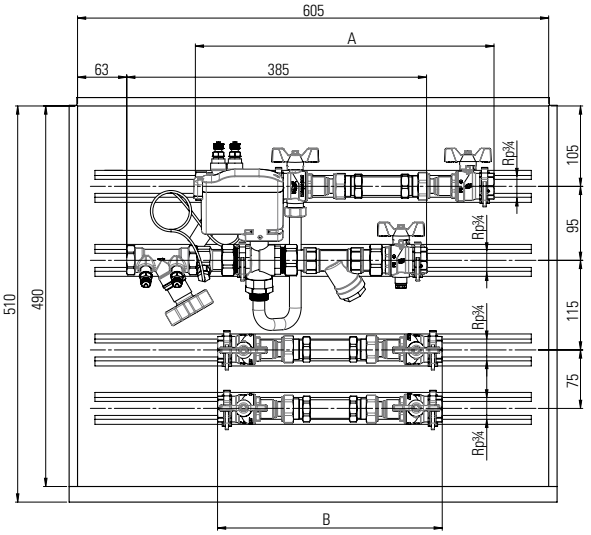
(*) Arrangement for installation of DN15 energy meter

(**) Arrangement for installation of DN20 energy meter

(***) Arrangement for installation of DN20 energy meter (G 1 connections) and DN20 volumetric meters (G 1 connections)

Energy Box Compact with 4-way zone valve and dynamic balancing kit

Heating/cooling metering, with or without domestic hot water, 4-way zone valve and dynamic balancing kit



Model	A [mm]	B [mm]
DN 15 (*)	384	290
DN 20 (**)	404	290
DN 20/DN 20 (***)	404	310

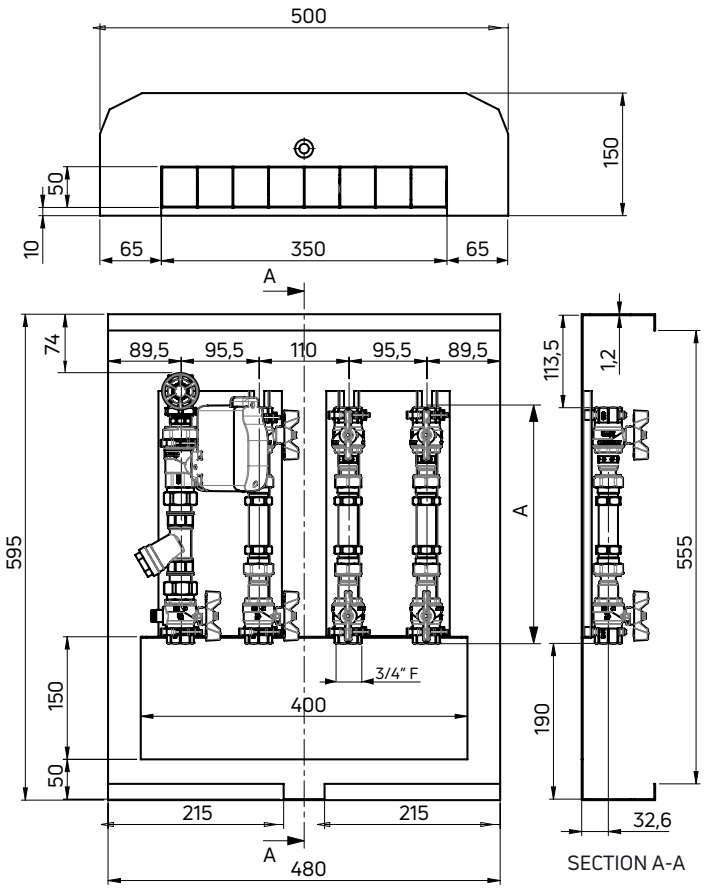
(*) Arrangement for installation of DN15 energy meter

(**) Arrangement for installation of DN20 energy meter

(***) Arrangement for installation of DN20 energy meter (G 1 connections) and DN20 volumetric meters (G 1 connections)

NEW

Dimensions



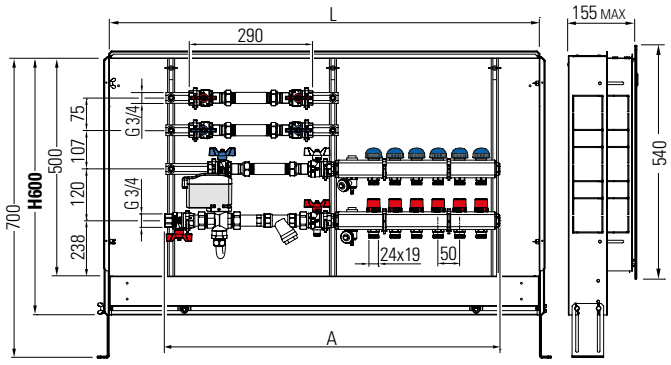
Model	A [mm]
DN 15 (*)	290
DN 20 (**)	310

(*) prepared for installation of energy meter or volumetric meter DN15 (3/4"connections)

(**) prepared for installation of energy meter or volumetric meter DN20 (1" connections)

Energy Box

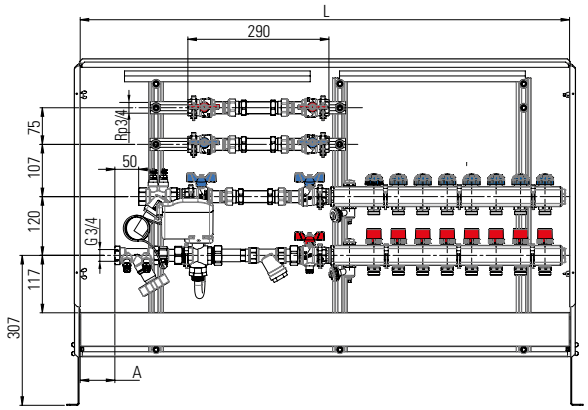
Metering with 1" manifolds equipped with valves and lockshields



L [mm]	N. ways	A [mm]
700	2	580
850	3	630
850	4	680
850	5	730
1000	6	780
1000	7	830
1000	8	880
1200	9	930
1200	10	980
1200	11	1030
1200	12	1080

Energy Box with dynamic balancing kit

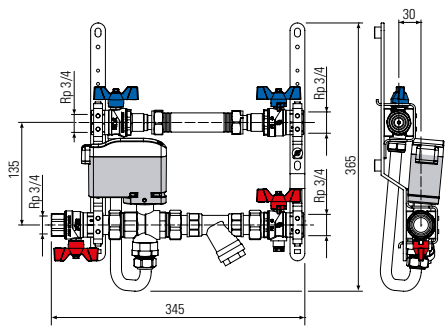
Metering with 1" manifolds equipped with valves and lockshields with dynamic balancing kit



L [mm]	N. ways	A [mm]
700	2	70
850	3	170
850	4	120
850	5	70
1000	6	170
1000	7	120
1000	8	70
1200	9	120
1200	10	170
1200	11	120
1200	12	70

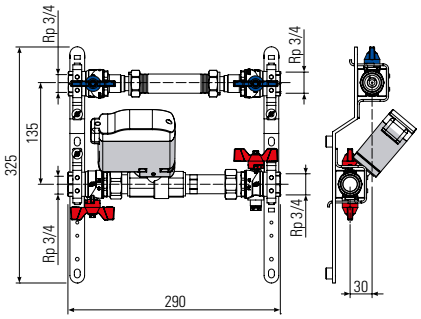
Energy Box

Single heating/cooling metering module with 4-way zone valve with By-pass passage



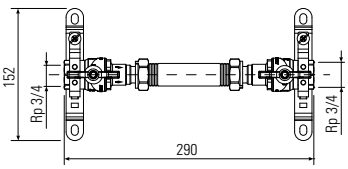
Energy Box

Single heating/cooling metering module with 2-way zone valve



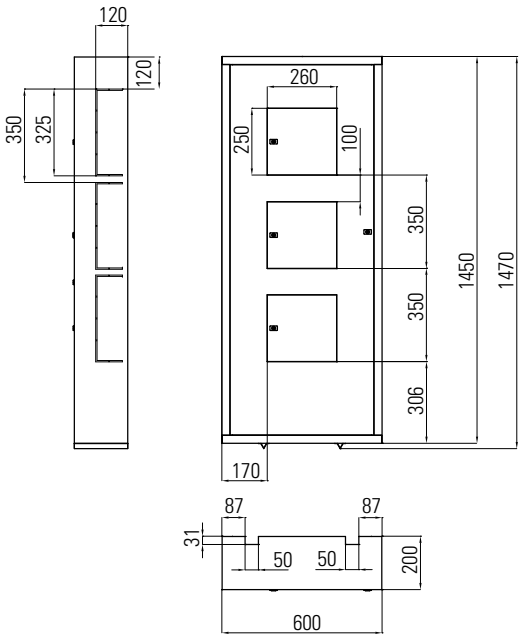
Energy Box

Single module of accounting sanitary water



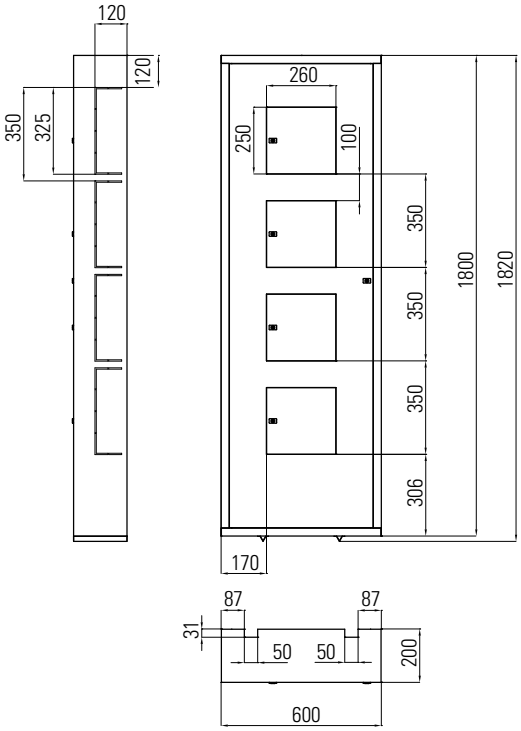
Energy Wall

Cabinet for metering groups, model max 3 users



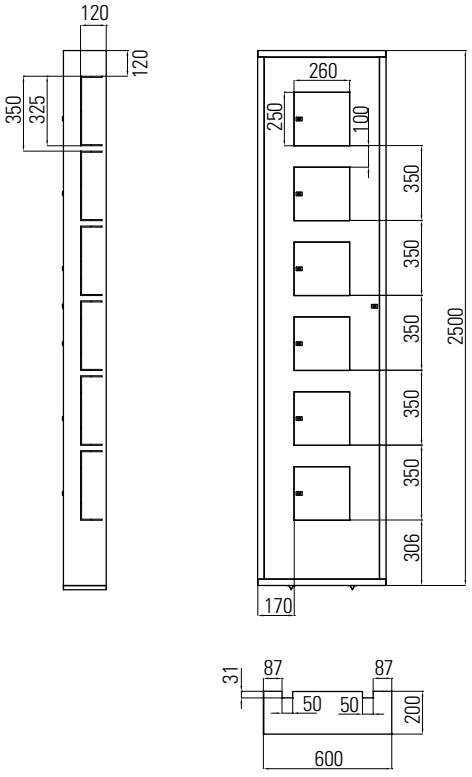
Energy Wall

Cabinet for metering groups, model max 4 users



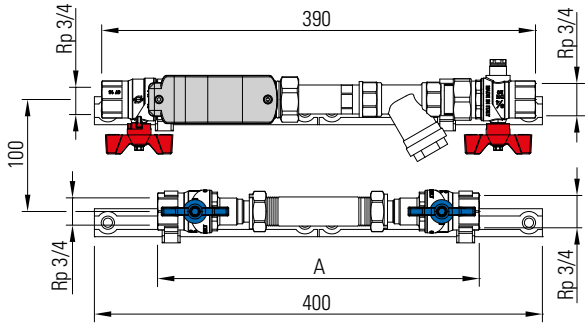
Energy Wall

Cabinet for metering groups, model max 6 users



Energy Wall

Heating/cooling groups for Energy Wall

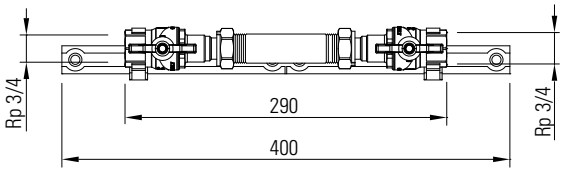


Model	A [mm]
DN15 (*)	290
DN20 (**)	310

(*) Arrangement for installation of DN15 energy meter
(**) Arrangement for installation of DN20 energy meter

Energy Wall

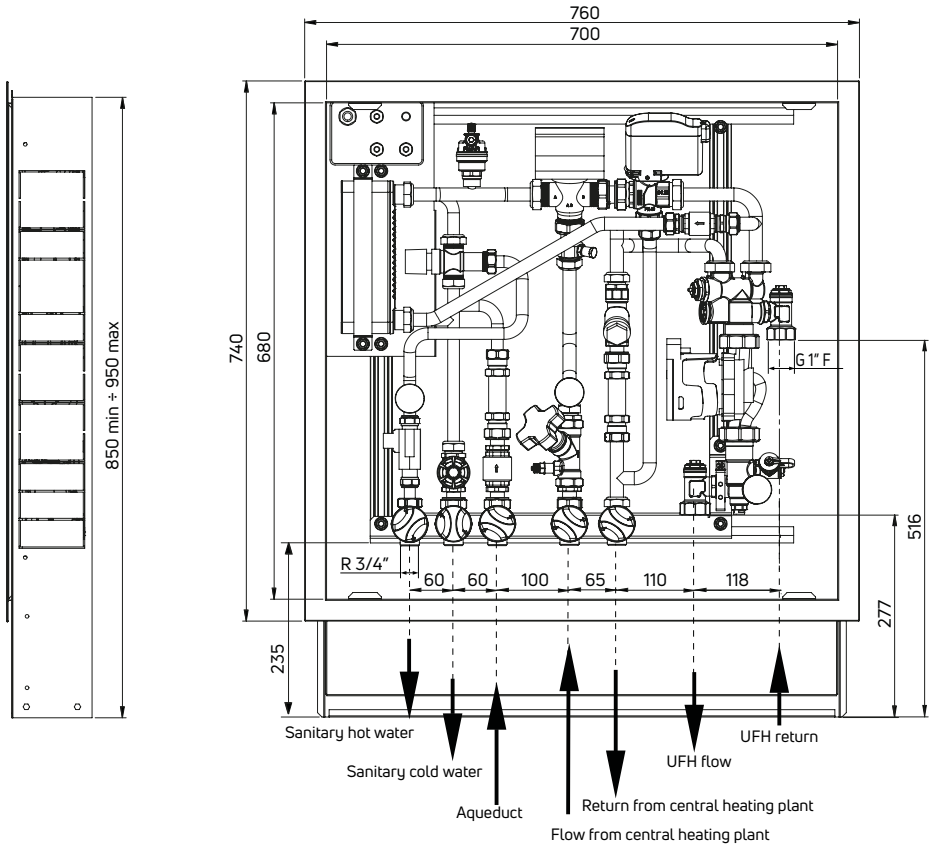
Hot and cold line for Energy Wall



NEW

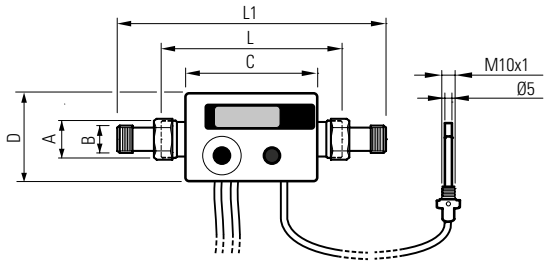
Energy Combibox Floor HIU

Built-in modules for metering thermo-sanitary consumption with instantaneous production of domestic hot water



EVO energy meter

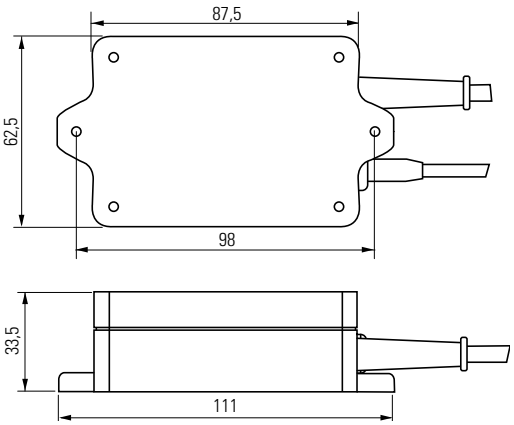
Models DN15 and DN20



Size		DN15	DN20
Connections	A	¾"	1"
	B	½"	¾"
Lenght	L [mm]	110	130
Length with fittings	L1 [mm]	190	228
Dimensions electronic unit	C [mm]	110	110
	D [mm]	75	75
Total height	[mm]	84,5	87

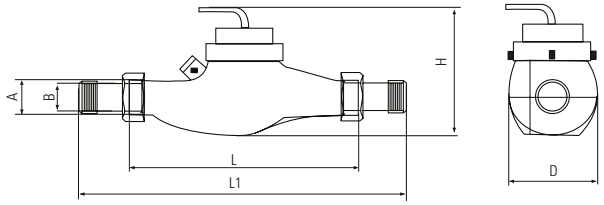
NB: the union fittings are not supplied with the instrument.

230 Vac power supply for EVO energy meter

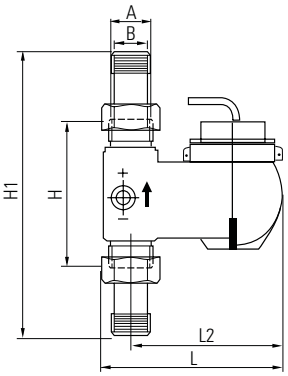


Threaded energy meter for high flow rates

Models DN25, DN32 and DN40 horizontal installation



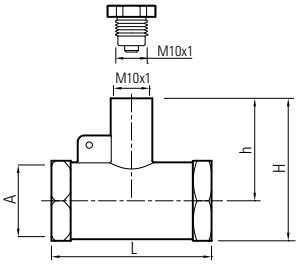
Models DN25, DN32 and DN40 vertical installation



Size		Horizontal installation			Vertical installation		
		DN25	DN32	DN40	DN25	DN32	DN40
Connections	A	1"1/4	1"1/2	2"	1"1/4	1"1/2	2"
	B	1"	1"1/4	1"1/2	1"	1"1/4	1"1/2
Length	L [mm]	260	260	300	169	183	226
Length with fittings	L1 [mm]	374	374	434	-	-	-
Length from axis	L2 [mm]	-	-	-	143	156	190
Height	H [mm]	137	137	163	150	150	200
Height with fittings	H1 [mm]	-	-	-	268	268	338
Depth	[mm]	100	100	135	98	101	139

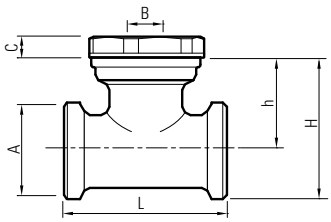
NB: the union fittings are not supplied with the instrument.

Probe holder Tee group for DN15 and DN20 meters



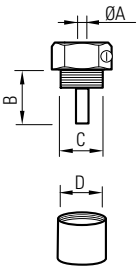
Size	DN15	DN20
A	1/2"	3/4"
h [mm]	32	35
H [mm]	45	48
L [mm]	50	50

Probe holder Tee group for DN25 meter



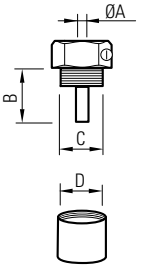
Size	DN25
A	1"
B	M10x1
C [mm]	5
L [mm]	72
h [mm]	36
H [mm]	57

Probe holder kit for DN32 and DN40 meters



Size	DN32 and DN40
ØA [mm]	6,8
B [mm]	40
C	1/2"
D	1/2"

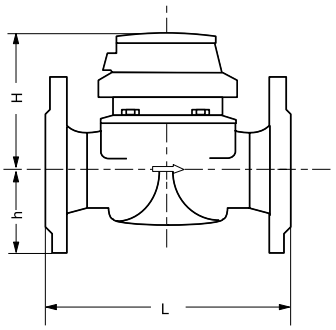
Probe holder kit for DN50 and DN65 meters



Size	DN50 and DN65
ØA [mm]	6,8
B [mm]	40
C	1/2"
D	1/2"

Flanged energy meter for high flow rates

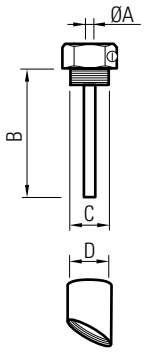
DN50, DN65, DN80, DN100, DN125, DN150



Dimensional data flowmeter

Size	mm	50	65	80	100	125	150
Nominal flow rate q_p	m^3/h	25	40	63	100	160	250
Minimum flow rate q_i	m^3/h	0,6	1	1,6	2,5	4	6
Maximum capacity qs	m^3/h	31	50	79	125	200	313
Operating pressure PN	bar	16					
Maximum operating temperature	°C	130					
L	mm	200	200	225	250	250	300
H	mm	187	197	219	229	257	357
h	mm	72	83	95	105	120	135
Pulse value	l/imp	100	100	100	100	100	1000
Weight	kg	9,9	10,6	13,3	15,6	18,1	40,1

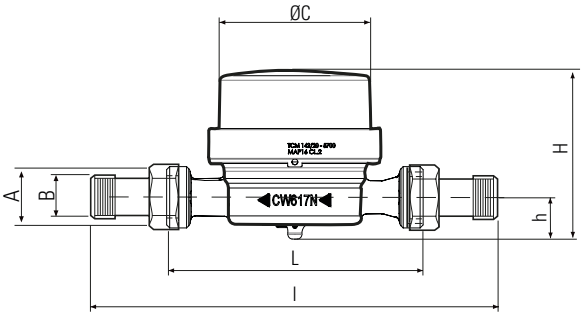
Probe holder kit for meters DN50, DN65, DN80, DN125 and DN150



Size	DN50, DN65	DN80, DN100, DN125	DN150
ØA [mm]	6,8	6,8	6,8
B [mm]	40	85	120
C	1/2"	1/2"	1/2"
D	1/2"	1/2"	1/2"

Volumetric counter

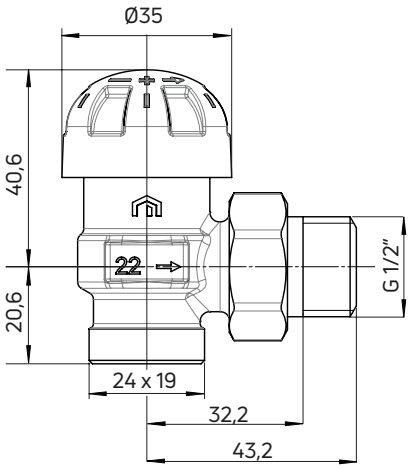
Models DN15 and DN20



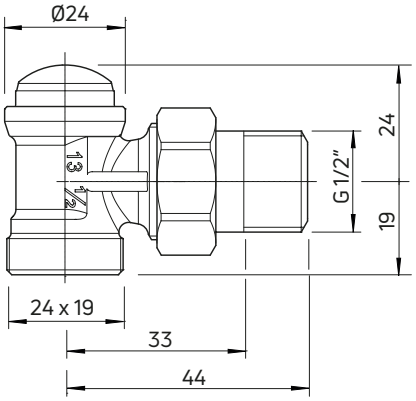
Model	A	B	ØC [mm]	H [mm]	h [mm]	L [mm]	I [mm]	Weight [kg]
DN15	3/4"	1/2"	65	74	11,7	110	190	0,35
DN20	1"	3/4"	65	74	11,7	130	228	0,45

NB: the union fittings are not supplied with the instrument.

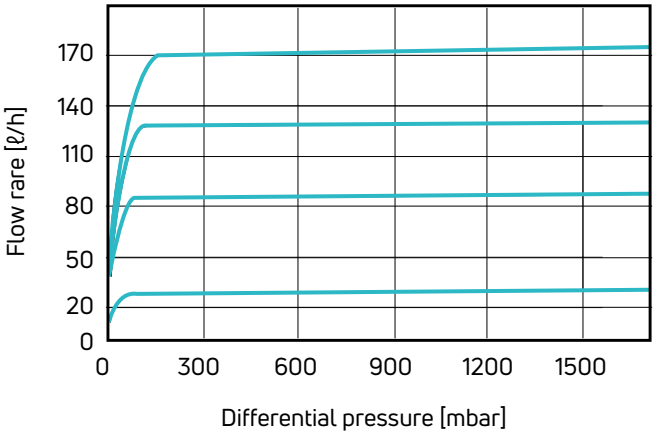
Valve



Lockshield



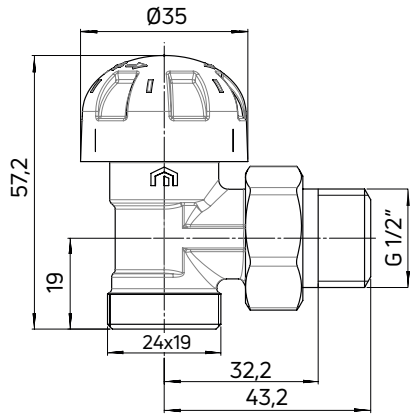
Regulation curve Full-D dynamic thermostatic valve with mounted thermostatic head (deviation -2 K)



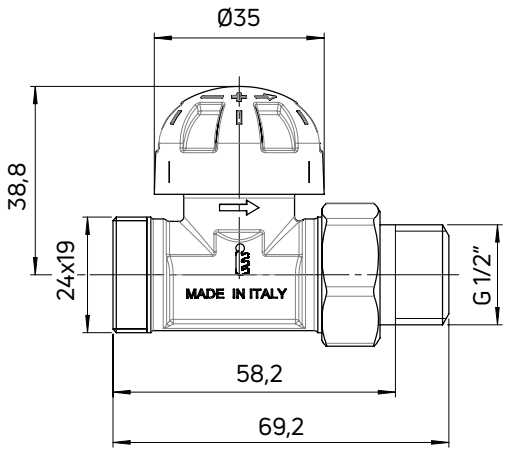
Poker Plus - Thermostatic valve

NEW

Angle valve

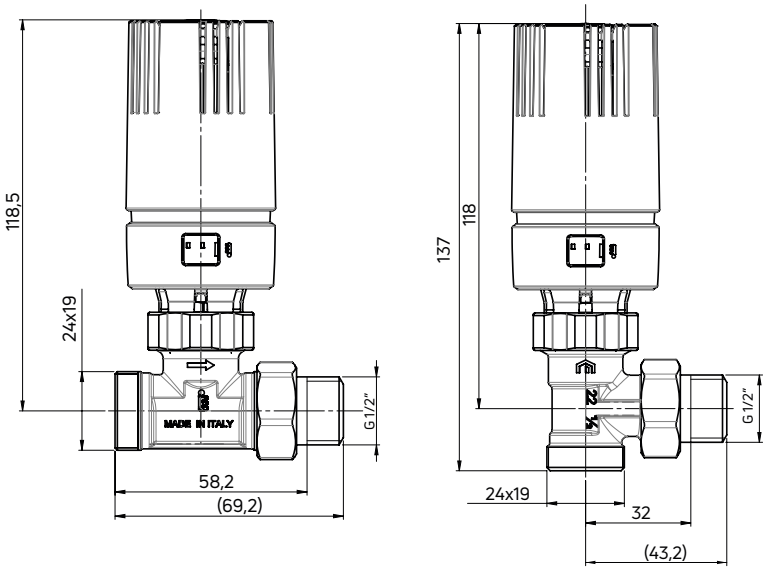


Straight valve

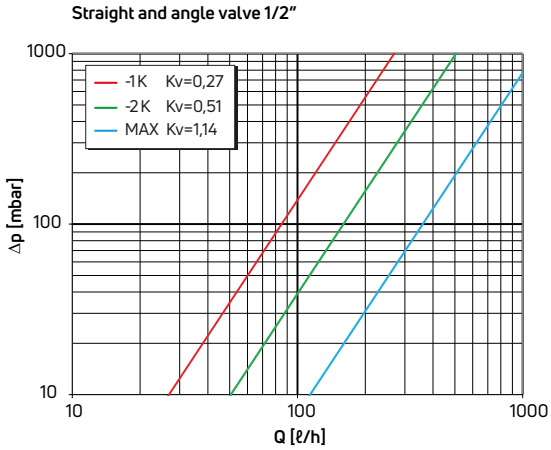


SensorEVO2 - Thermostatic valve

SensorEVO2 + Poker Plus valves

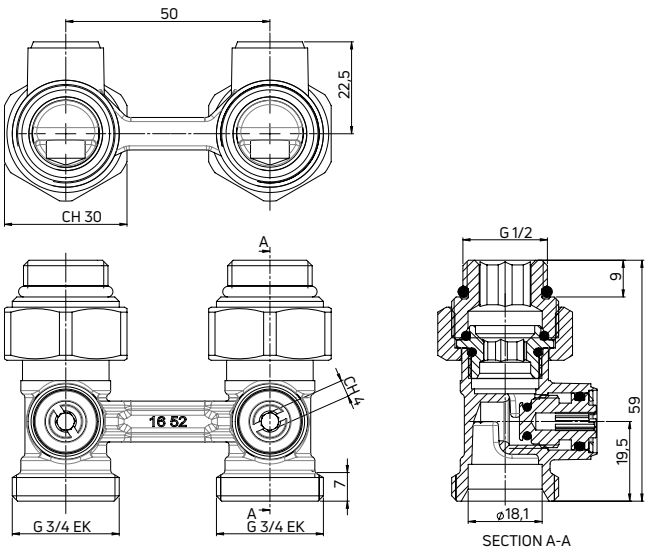


Pressure losses Poker Plus valves combined with SensorEVO2 thermostatic head

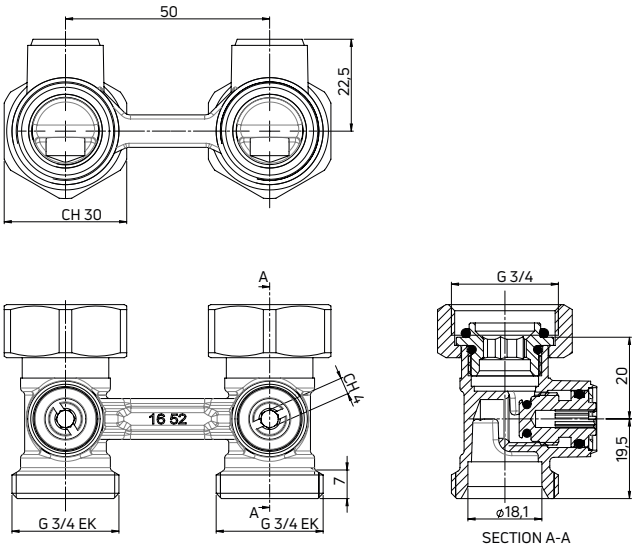


H valves

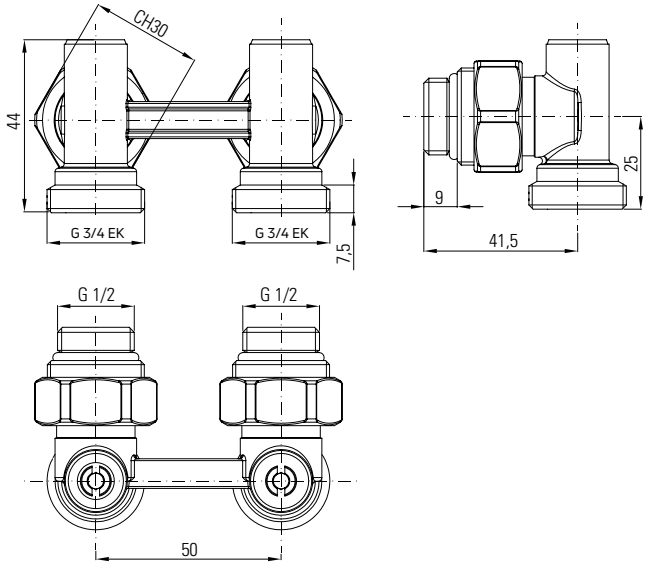
Straight H-hand valve with adapter



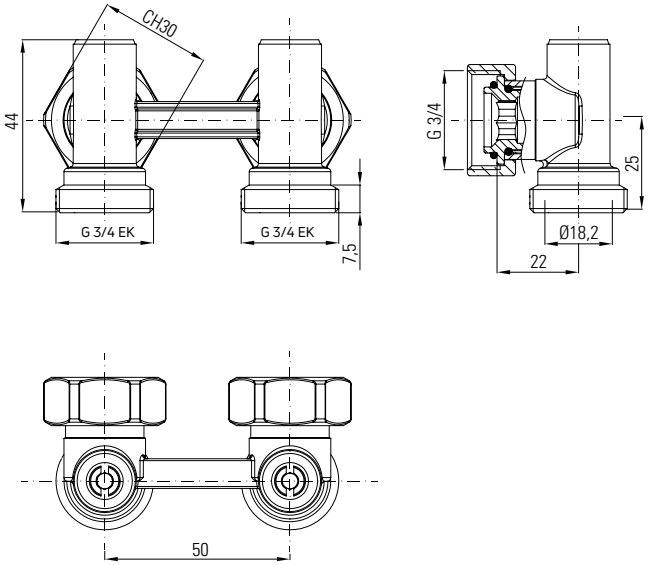
Straight H-hand valve



Manual angle H valve with adapter



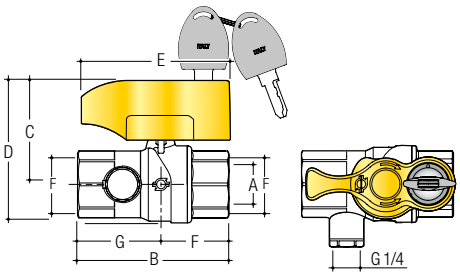
Manual angle H valve



Futurgas with lock - Ball valves

Futurgas

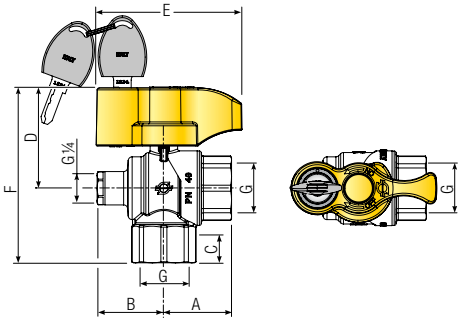
Female-Female with G 1/4 pressure connection and key lock



Size	DN [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F	G [mm]
3/4"	20	33,5	41,5	18,3	51	74	Rp ¾	75
1"	25	40	49	22	57	74	Rp 1	89

Futurgas

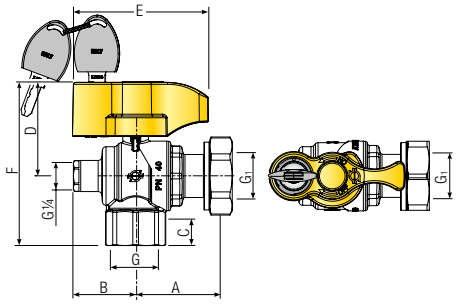
Angled Female-Female with G 1/4 pressure port and key lock



Size	DN [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G
3/4"	20	34,5	30	18,3	51	74	89	Rp 3/4
1"	25	41,5	34,5	22	57	74	102	Rp 1

Futurgas

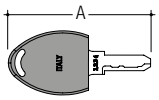
Swivel female-nut with G 1/4 pressure point and key lock



Size	DN [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G	G1
Rp 3/4 x G 1	20	52,8	30	18,3	51	74	89	Rp ¾	G 1
Rp 1 x G 1¼	25	58,2	34,5	22	57	74	102	Rp 1	G 1¼

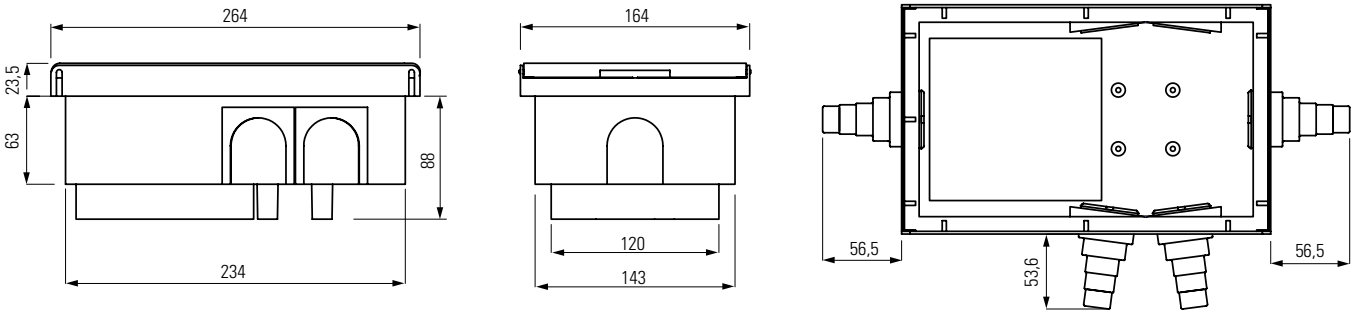
Futurgas

Master key



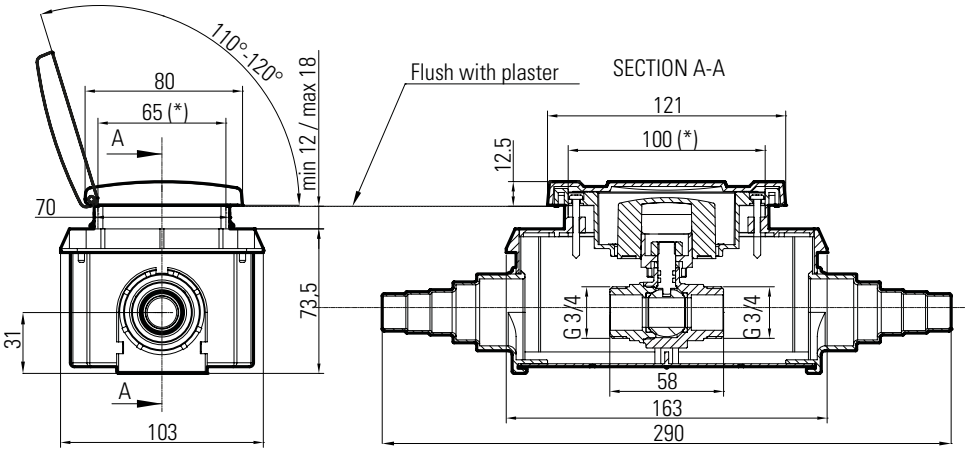
A mm
55

Built-in box for valve - With gas manifold first inlet



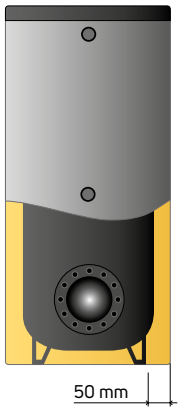
Gas Box 2.0 - Built-in ball valve

Built-in ball valve for gas with retractable knob

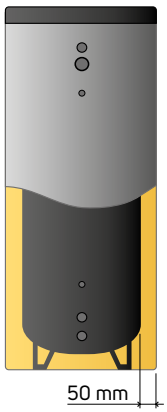


Tanks

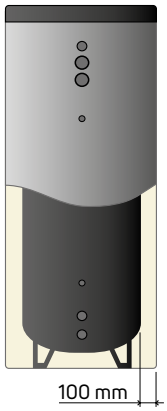
Euro V 150 ÷ 500



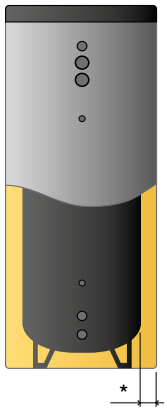
Euro HPV 200 ÷ 500



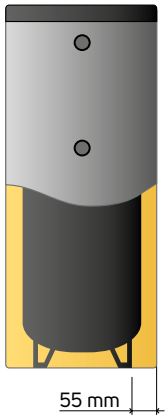
Euro HPV 1000



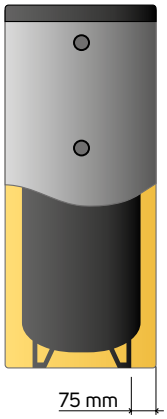
Euro HPVE 300 ÷ 500



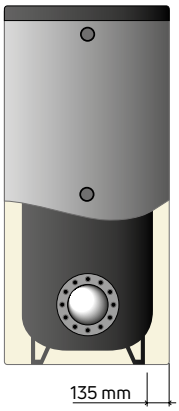
HE2VE 200 and 500



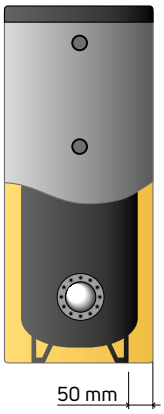
HE2VE 300, 750 and 1000



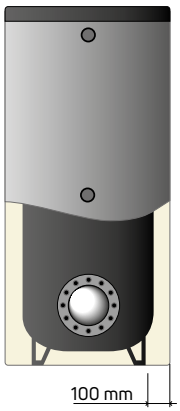
HE2VE 1500 ÷ 2000



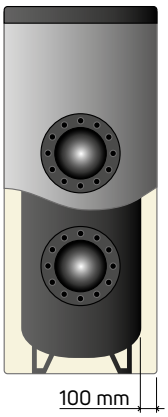
HP2V 300 ÷ 500



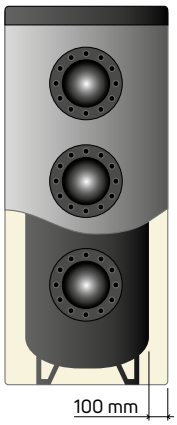
HP2V 750 ÷ 1000



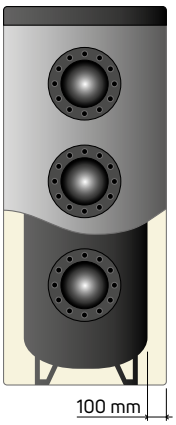
Comfort V 2 flanges 200 ÷ 500



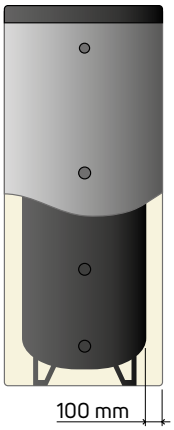
Comfort V 3 flanges 750 ÷ 3000



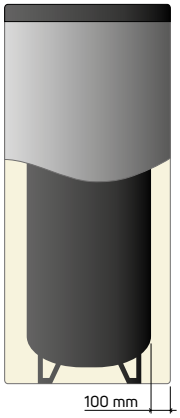
Comfort S 3 flanges 1500 ÷ 3000



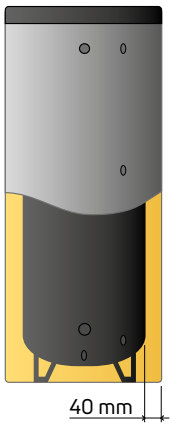
Accumulation tanks 300 ÷ 2000



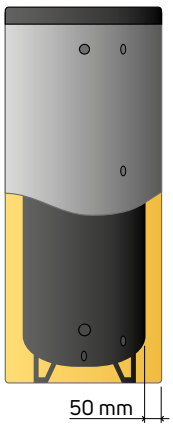
Puffer 300 ÷ 2000



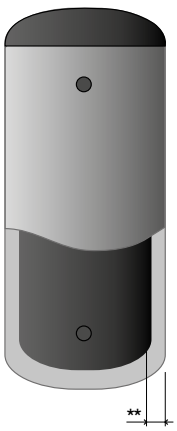
ETW 25 ÷ 60



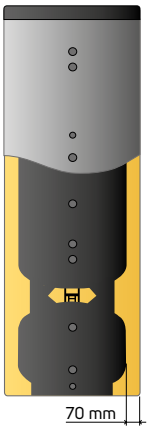
ETW 120 ÷ 280



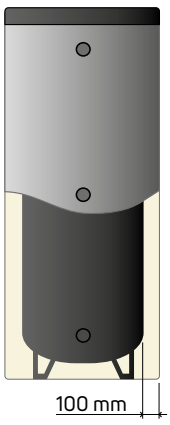
ETW Inox 26 ÷ 51



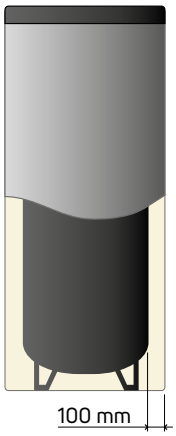
HYBV1S 300 ÷ 500



EBN 300 ÷ 500



EB 1000 ÷ 1500

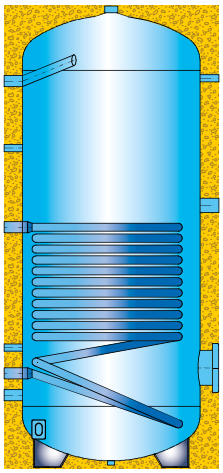


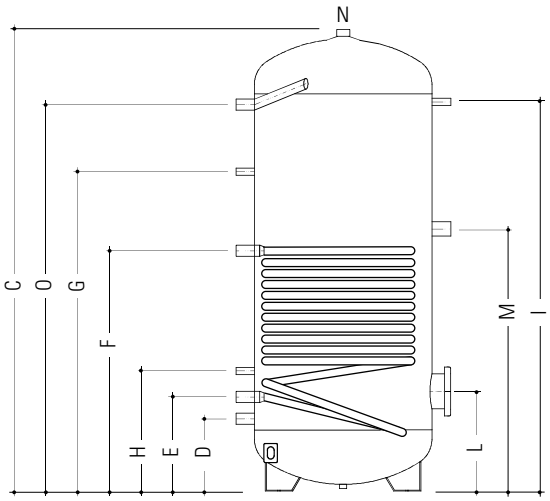
* 75 mm for Euro HPVE 300 model, 55 mm for Euro HPVE 500 model
** 24 mm for ETW 26 model, 30 mm for ETW 51 model.

Euro V - Vitrified tanks for domestic water production

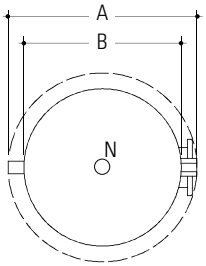
Potable suitability

5 Years Warranty









Construction
- Storage tank in carbon steel S235JR with dished bottoms with deep drawing; internal treatment of inorganic enamelling (vitrification).
- Insulation in rigid foamed polyurethane foam 50 mm thick.
- Insulation with SKY coating in PVC grey color.
- S235JR carbon steel coil.

Technical data
- Storage tank max continuous operating temperature: 95 °C.
- Storage tank maximum operating pressure: 10 bar.
- Coil maximum operating pressure: 6 bar.

Conformity
- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.
- Complies with DIN 4753.3.

Supplying
Euro V storage tanks are supplied with the closing flange mounted and equipped with thermal insulation and nr. 1 Boguard electronic anode ■.

Note: A safety valve with maximum calibration = 6 bar and an expansion vessel suitable for the volume of the DHW system must be installed in the DHW circuit near the storage tank.

Models	Ref.		u.m.	150	200	300	500
Total capacity (storage volume)			ℓ	160	196	273	475
Non-solar volume Vbu			ℓ	0	0	0	0
Ø with insulation	A		mm	600	600	600	750
Ø without insulation	B		mm	500	500	500	650
Height	C		mm	990	1215	1615	1705
Height with insulation			mm	1000	1225	1625	1715
Cold water inlet	D	1"	mm	220	220	220	265
Fixed heat coil outlet	E	1"	mm	300	290	290	345
Fixed heat coil inlet	F	1"	mm	620	750	890	880
Recirculation	G	1/2"	mm	695	835	1165	1170
Thermostat / Thermometer	H	1/2"	mm	385	375	375	440
Thermostat / Thermometer	I	1/2"	mm	775	1000	1390	1425
Flange	L	DN 180	mm	330	320	320	365
Electric resistance	M	1"1/2	mm	655	810	955	960
Anode	N	1"1/4	mm	Above	Above	Above	Above
Hot water outlet	O	1"	mm	765	975	1390	1415
Fixed coil exchange surface			m^2	0,5	0,7	1,2	1,8
Fixed coil content			ℓ	3,1	5,6	7,9	11,4
Empty weight			kg	70	90	115	155
Dispersion S (*)			W	55	67	85	112
Specific dispersion psbsol			W/K	1,22	1,49	1,89	2,49
Energetic class				B	C	C	C

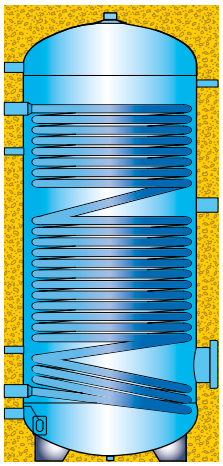
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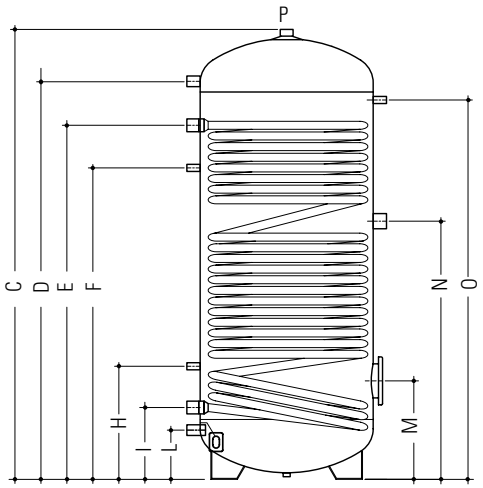
(*) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

Euro HPV 200 - 300 - 500 - Vitrified tank for domestic water production with heat pump

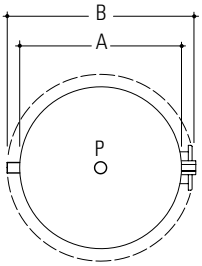
Potable suitability

5 Years Warranty









Construction
- Storage tank in carbon steel S235JR with dished bottoms with deep drawing; internal treatment of inorganic enamelling (vitrification).
- Insulation in rigid foamed polyurethane foam 50 mm thick.
- Insulation with SKY coating in PVC grey color.
- S235JR carbon steel coil.

Technical data
- Storage tank max continuous operating temperature: 95 °C.
- Storage tank maximum operating pressure: 10 bar.
- Coil maximum operating pressure: 6 bar.

Conformity
- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.
- Complies with DIN 4753.3.

Supplying
Euro HPV storage tanks are supplied with the closing flange mounted and equipped with thermal insulation and nr. 1 Boguard electronic anode ■.

Note: A safety valve with maximum calibration = 6 bar and an expansion vessel suitable for the volume of the DHW system must be installed in the DHW circuit near the storage tank.

Models	Ref.	200/300	500	u.m.	Euro HPV200	Euro HPV300	Euro HPV500
Total capacity (storage volume)				ℓ	190	263	470
Non-solar volume Vbu				ℓ	0	0	0
Ø without insulation	A			mm	500	500	650
Ø with insulation	B			mm	600	600	750
Height	C			mm	1215	1615	1705
Height with insulation				mm	1225	1625	1715
Hot water outlet	D	1"	1"	mm	1070	1470	1495
Fixed heat coil inlet	E	1"	1"1/4	mm	990	1310	1380
Recirculation	F	1/2"	1/2"	mm	835	1165	1170
Thermostat /Thermometer	G	–	–	mm	–	–	–
Thermostat / Thermometer	H	1/2"	1/2"	mm	370	395	435
Fixed heat coil outlet	I	1"	1"1/4	mm	220	220	280
Cold water inlet	L	1"	1"	mm	140	140	185
Flange	M	DN 180	DN 180	mm	320	370	370
Electric resistance	N	1"1/2	1"1/2	mm	730	945	970
Thermostat / Thermometer	O	1/2"	1/2"	mm	990	1390	1420
Anode	P	1"1/4	1"1/4	mm	Above	Above	Above
Fixed coil exchange surface				m^2	3,0	4,0	6,0
Fixed coil content				ℓ	17,2	23,0	50,5
Empty weight				kg	120	160	220
Dispersion S (*)				W	67	85	112
Specific dispersion psbsol				W/K	1,49	1,89	2,49
Energetic class					C	C	C

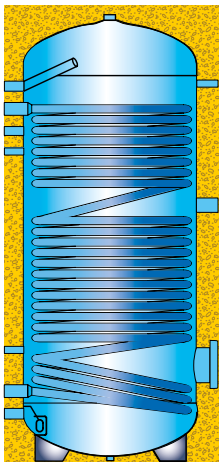
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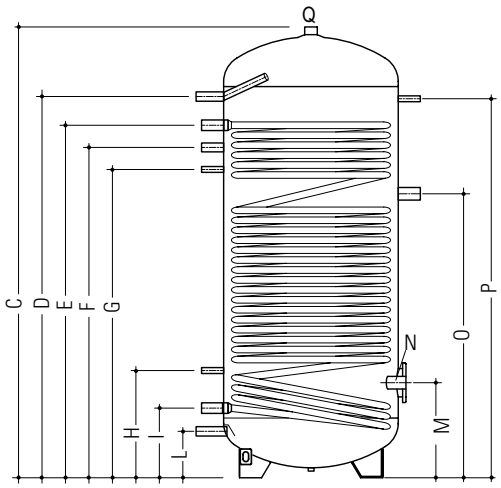
(*) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

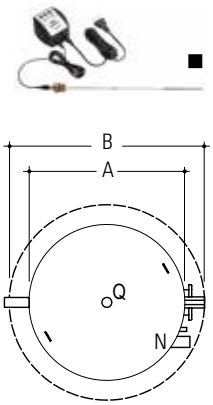
Euro HPV 1000 - Vitrified tank for domestic water production with heat pump

Potable suitability

5 Years Warranty







Construction
- Storage tank in carbon steel S235JR with dished bottoms with deep drawing; internal treatment of inorganic enamelling (vitrification).
- Insulation in 100 mm thick flexible polyester.
- Insulation with SKY coating in PVC grey color.
- S235JR carbon steel coil.

Technical data
- Storage tank max continuous operating temperature: 95 °C.
- Storage tank maximum operating pressure: 10 bar.
- Coil maximum operating pressure: 6 bar.

Conformity
- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.
- Complies with DIN 4753.3.

Supplying
Euro HPV storage tanks are supplied with the closing flange mounted and equipped with thermal insulation and nr. 1 Boguard electronic anode. ■.

Note: A safety valve with maximum calibration = 6 bar and an expansion vessel suitable for the volume of the DHW system must be installed in the DHW circuit near the storage tank.

Models	Ref.		u.m.	Euro HPV 1000
Total capacity (storage volume)			ℓ	900
Non-solar volume Vbu			ℓ	0
Ø without insulation	A		mm	790
Ø with insulation	B		mm	990
Height	C		mm	2140
Height with insulation			mm	2230
Hot water outlet	D	1"1/4	mm	1940
Fixed heat coil inlet	E	1"1/4	mm	1830
Recirculation	F	1"	mm	1615
Thermostat / Thermometer	G	1"	mm	1485
Thermostat / Thermometer	H	1"	mm	515
Fixed heat coil outlet	I	1"1/4	mm	345
Cold water inlet	L	1"1/4	mm	240
Flange	M	DN 180	mm	470
Anode	N	1"1/2	mm	470
Electric resistance	O	1"1/2	mm	1435
Thermostat / Thermometer	P	1/2"	mm	1940
Anode	Q	1"1/2	mm	Above
Fixed coil exchange surface			m^2	8,0
Fixed coil content			ℓ	68,5
Empty weight			kg	320
Dispersion S (*)			W	142
Specific dispersion psbsol			W/K	3,16
Energetic class				–

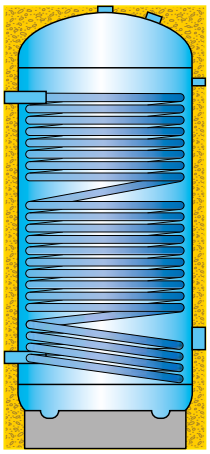
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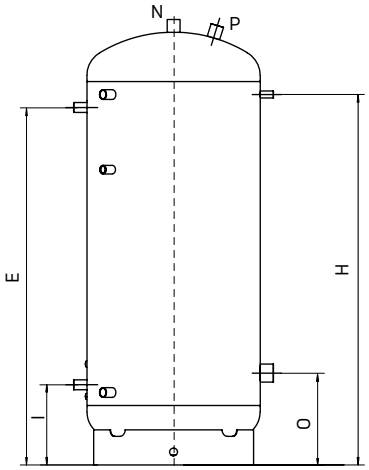
(*) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

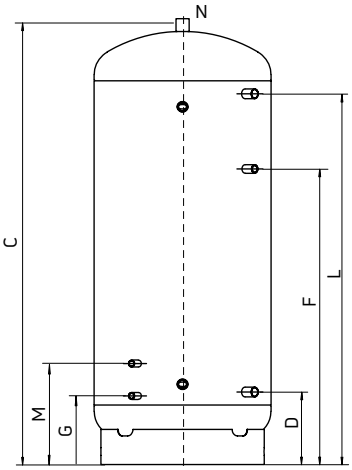
Euro HPVE 300-500 - Vitrified tank for domestic water production with heat pump

Potable suitability

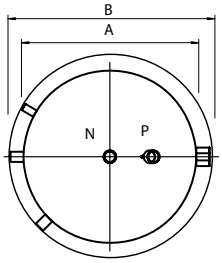
5 Years Warranty











Construction

- DD11 steel accumulation; internal inorganic enamelling treatment (vitrification).
- Insulation in rigid expanded polyurethane foam, 50 mm thick.
- RAL9006 gray polystyrene insulation covering.
- Carbon steel coil with external vitrification treatment.

Technical data

- Maximum continuous storage operating temperature: 95 °C.
- Maximum storage operating pressure: 10 bar.
- Maximum coil operating pressure: 12 bar.

Conformity

- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.
- Complies with DIN 4753.3.

Supplying

The Euro HPVE boilers are supplied with thermal insulation and nr. 1 Boguard electronic anode ■.

Note: A safety valve with maximum calibration = 6 bar and an expansion vessel suitable for the volume of the DHW system must be installed in the DHW circuit near the storage tank.

Models			u.m.	Euro HPVE300	Euro HPVE500
Total capacity (storage volume)			ℓ	261	453
Non-solar volume Vbu			ℓ	0	0
Ø without insulation	A		mm	500	650
Ø with insulation	B		mm	650	760
Height	C		mm	1655	1720
Height with insulation			mm	1670	1735
Cold water inlet	D	1"	mm	235	280
Fixed heat coil inlet	E	1"	mm	1325	1355
Recirculation	F	3/4"	mm	1095	1140
Thermostat /Thermometer	G	1/2"	mm	370	400
Thermostat /Thermometer	H	1/2"	mm	1385	1430
Fixed coil outlet	I	1"	mm	365	310
Hot water outlet	L	1"	mm	1385	1430
Drain	M	1/2"	mm	220	265
Hot water outlet	N	1"1/4		Above	
Electric resistance	O	2"	mm	325	370
Anode	P	1"1/4		Above	
Fixed coil exchange surface			m^2	3,4	5,5
Fixed coil contents			ℓ	21	41
Empty weight			kg	116	178
Dispersion S (*)			W	65	89
Specific dispersion psbsol			W/K	1,44	1,98
Energetic class				B	C

Thread: G (ISO 228-1)

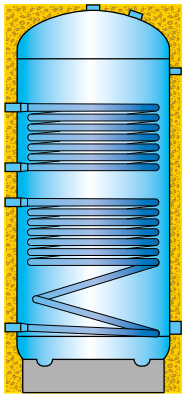
(*) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

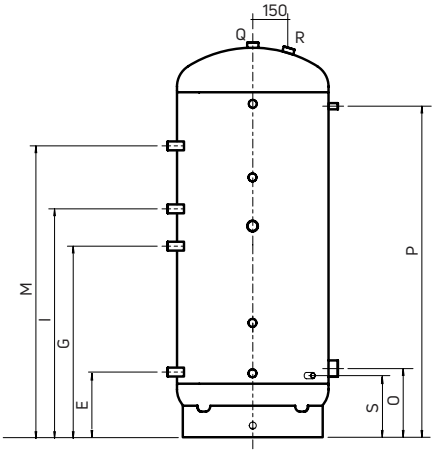
HE2VE 200 - 300 - 500 - 750 - 1000

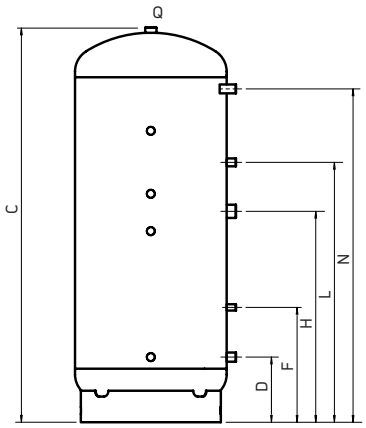
Vitrified tanks for sanitary water

Potable suitability

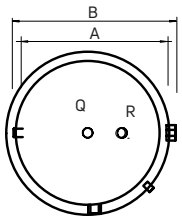
5 Years Warranty











Construction

- DD11 steel accumulation; internal inorganic enamelling treatment (vitrification).
- Insulation in rigid expanded polyurethane thickness 55 mm (mod. 200 and 500), 75 mm (mod. 300), 75 mm with cupels (mod. 750 and 1000).
- Insulation covering in RAL 9006 gray polystyrene (mod. 200, 300 and 500), in RAL 9006 gray PVC SKY (mod. 750 and 1000).
- Carbon steel coil with external vitrification treatment.

Technical data

- Maximum continuous storage operating temperature: 95 °C.
- Maximum storage operating pressure: 10 bar.
- Maximum coil operating pressure: 12 bar.

Conformity

- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.
- Complies with DIN 4753.3.

Supplying

The HE2VE boilers are supplied with thermal insulation and nr. 1 Boguard electronic anode ■.

Note: A safety valve with maximum calibration = 6 bar and an expansion vessel suitable for the volume of the DHW system must be installed in the DHW circuit near the storage tank.

Model		200÷500	750÷1000	u.m.	200	300	500	750	1000
Total capacity (storage volume)				ℓ	184	267	472	726	841
Non-solar volume Vbu				ℓ	60	100	180	270	320
Ø without insulation	A			mm	500	500	650	790	790
Ø with insulation	B			mm	610	650	760	940	940
Height	C			mm	1190	1655	1720	1800	2050
Height with insulation				mm	1200	1670	1735	1815	2065
Cold water inlet	D	1"	1"1/4	mm	235	235	280	320	320
Lower coil outlet	E	1"	1"1/4	mm	235	235	280	430	430
Thermometer - probe	F	1/2"	1/2"	mm	350	380	495	635	635
Lower coil inlet	G	1"	1"1/4	mm	585	835	820	950	1070
Electric resistance	H	1"1/2	1"1/2	mm	635	875	905	965	1160
Upper coil outlet	I	1"	1"1/4	mm	680	930	980	1100	1220
Recirculation	L	3/4"	1"	mm	767	1095	1115	1175	1395
Upper coil inlet	M	1"	1"1/4	mm	930	1351	1250	1400	1520
Hot water outlet	N	1"	1"1/4	mm	935	1385	1430	1450	1700
Electric resistance	O	2"	2"	mm	250	250	295	345	345
Thermometer - probe	P	1/2"	1/2"	mm	935	1385	1430	1450	1700
Hot water outlet	Q	1"1/4	1"1/4				Above		
Anode	R	1"1/4	1"1/4				Above		
Drain	S	1/2"	3/4"	mm	220	220	265	300	300
Lower coil surface				m^2	0,7	1,2	1,8	2,0	2,4
Upper coil surface				m^2	0,5	0,75	0,9	1,2	1,2
Lower coil content				ℓ	6,0	9,0	14,0	19,0	25,0
Upper coil content				ℓ	5,0	6,0	8,0	12,0	12,0
Empty weight				kg	69	99,5	146	205	224
Dispersion S (*)				W	56	65	90	129	134
Specific dispersion psbsol				W/K	1,24	1,44	2,00	2,87	2,98
Energetic class					B	B	C	-	-

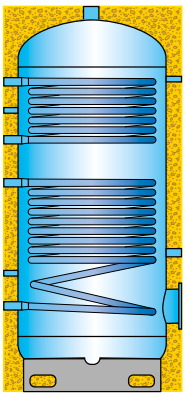
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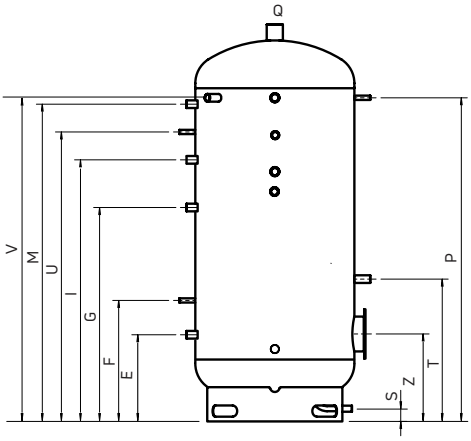
(*) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

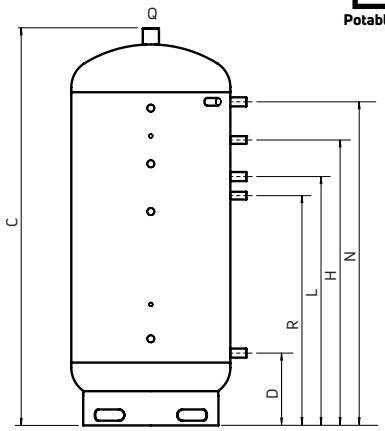
HE2VE 1500-2000 - Vitrified tanks for sanitary water

Potable suitability

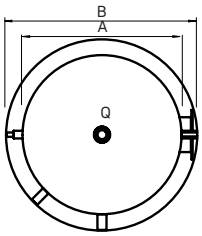
5 Years Warranty











Construction

- DD11 carbon steel accumulation; internal inorganic enamelling treatment (vitrification).
- Insulation in 135 mm thick flexible polyester.
- SKY insulation covering in RAL 9006 gray PVC.
- Carbon steel coil with external vitrification treatment.

Technical data

- Maximum continuous storage operating temperature: 95 °C.
- Maximum storage operating pressure: 6 bar.
- Maximum coil operating pressure: 12 bar.

Conformity

- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.
- Complies with DIN 4753.3.

Supplying

The HE2VE boilers are supplied with thermal insulation and nr. 1 double Boguard electronic anode ■■.

Note: A safety valve with maximum calibration = 6 bar and an expansion vessel suitable for the volume of the DHW system must be installed in the DHW circuit near the storage tank.

Model			u.m.	1500	2000
Total capacity (storage volume)			ℓ	1587	1886
Non-solar volume Vbu			ℓ	420	400
Ø without insulation	A		mm	1000	1100
Ø with insulation	B		mm	1270	1370
Height	C		mm	2495	2475
Height with insulation			mm	2530	2510
Cold water inlet	D	1"1/2	mm	455	445
Lower coil outlet	E	1"1/4	mm	545	535
Thermometer - probe	F	1/2"	mm	760	760
Lower coil inlet	G	1"1/4	mm	1345	1425
Electric resistance	H	1"1/2	mm	1565	1565
Upper coil outlet	I	1"1/4	mm	1645	1605
Recirculation	L	1"1/4	mm	1795	1785
Upper coil inlet	M	1"1/4	mm	1995	2025
Hot water outlet	N	1"1/2	mm	2035	2025
Thermometer - probe	P	1/2"	mm	2035	2025
Hot water outlet	Q	3"		Above	
Anode	R	1"1/4		1445	1455
Drain	S	1"	mm	80	80
Sanitary expansion vessel	T	1"1/4	mm	895	885
Thermometer - probe	U	1/2"	mm	1820	1780
Anode	V	1"1/4	mm	2035	2025
Inspection flange	Z	DN 220	mm	550	540
Lower coil surface			m^2	3,6	4,3
Upper coil surface			m^2	1,6	2,1
Lower coil content			ℓ	36,0	48,0
Upper coil content			ℓ	18,0	24,0
Empty weight			kg	404	501
Dispersion S (*)			W	163	174
Specific dispersion psbsol			W/K	3,62	3,87
Energetic class				-	-

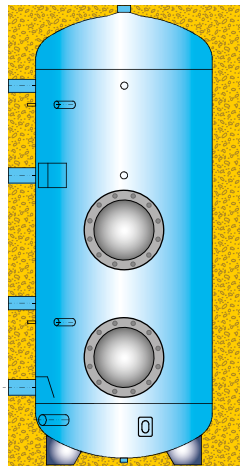
Thread: G (ISO 228-1) (*) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

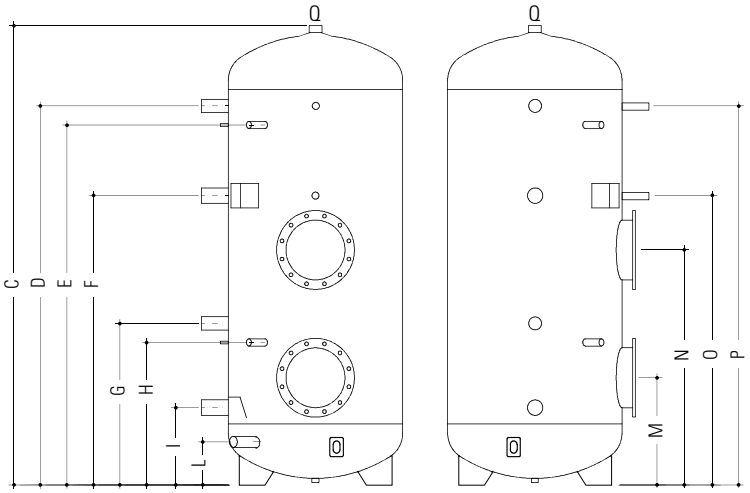
Comfort V 200-300-500

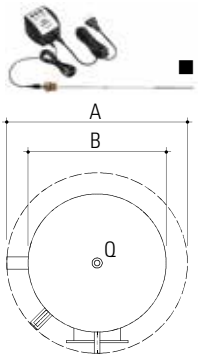
Vitrified tanks for domestic water production

Potable suitability

5 Years Warranty







Construction

- Storage tank in carbon steel S235JR with dished bottoms with deep drawing; internal treatment of inorganic enamelling (vitrification).
- Insulation in 100 mm thick flexible polyester.
- Insulation with SKY coating in PVC grey color.

Technical data

- Storage tank max continuous operating temperature: 95 °C.
- Storage tank maximum operating pressure: 10 bar.

Conformity

- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.
- Complies with DIN 4753.3.

Supplying

The Comfort V storage tanks are supplied with the closing flange mounted and equipped with thermal insulation and nr. 1 Boguard electronic anode ■.
Their completion requires the insertion of the chosen coil; coils are not included.

Note: A safety valve with maximum calibration = 6 bar and an expansion vessel suitable for the volume of the DHW system must be installed in the DHW circuit near the storage tank.

Models	Ref.		u.m.	200	300	500
Total capacity (storage volume)			ℓ	208	285	490
Non-solar volume Vbu			ℓ	95	160	275
Ø with insulation	A		mm	700	700	850
Ø without insulation	B		mm	500	500	650
Height	C		mm	1215	1615	1690
Height with insulation			mm	1305	1705	1780
Anode	D	1"1/4	mm	965	1375	1395
Thermometer / Probe / Anode	E	1/2"	mm	895	1315	1325
Electric resistance/Recirculation	F	1"1/2	mm	725	1010	1065
Anode	G	1"1/4	mm	485	540	595
Thermometer / Probe / Anode	H	1/2"	mm	415	480	525
Cold water inlet	I	1"1/2	mm	245	235	285
Drain	L	1"1/4	mm	140	140	165
First flange	M	DN290	mm	345	345	395
Second flange	N	DN290	mm	765	810	865
Thermometer / Probe / Anode	O	1/2"	mm	–	1010	1065
Thermometer / Probe / Anode	P	1/2"	mm	965	1375	1395
Hot water outlet	Q	1"1/4	mm		Above	
Empty weight			kg	70	105	145
Dispersion S (*)			W	77	95	115
Specific dispersion psbsol			W/K	1,71	2,11	2,56
Energetic class				C	C	C

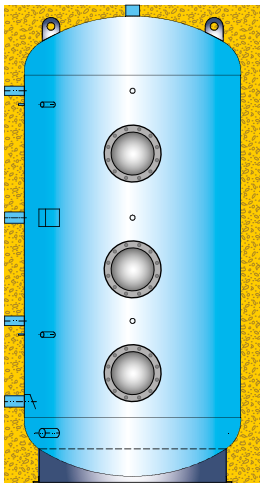
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(*) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

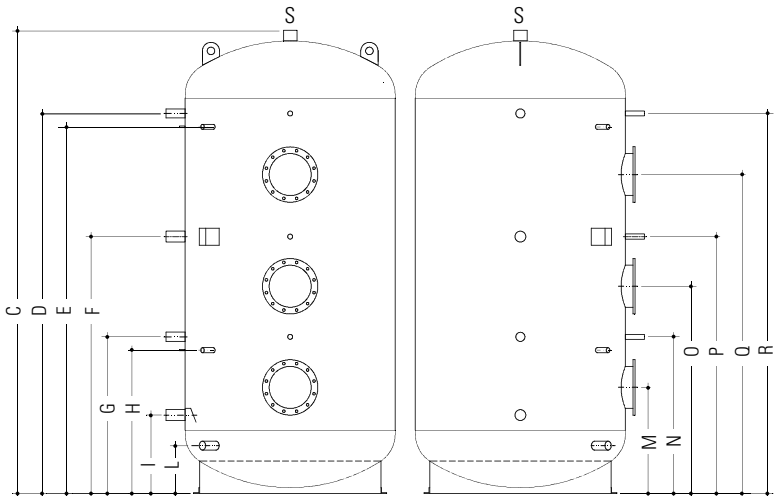
Comfort V 750-1000-1500-2000-3000

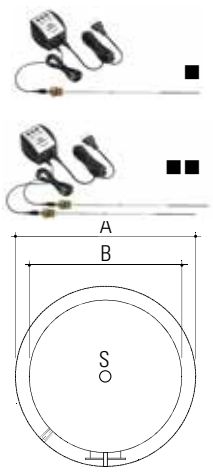
Vitrified tanks for domestic water production

Potable suitability

5 Years Warranty







Construction

- Storage tank in carbon steel S235JR with dished bottoms with deep drawing; internal treatment of inorganic enamelling (vitrification).
- Insulation in 100 mm thick flexible polyester.
- Insulation with SKY coating in PVC grey color.

Technical data

- Storage tank max continuous operating temperature: 95 °C.
- Storage tank maximum operating pressure: 10 bar (models 750-1000), 8 bar (models 1500-2000-3000).

Conformity

- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.
- Complies with DIN 4753.3.

Supplying

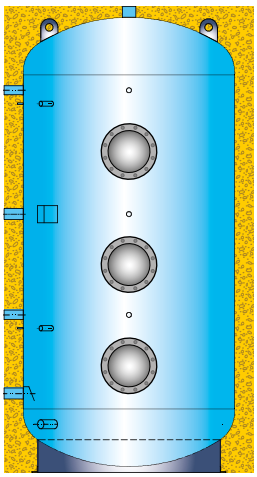
The Comfort V storage tanks are supplied with the closing flange mounted and equipped with thermal insulation and nr. 1 Boguard electronic anode (single for 750-1000 models ■, double for 1500-2000-3000 models ■■).
Their completion requires the insertion of the chosen coil; coils are not included.

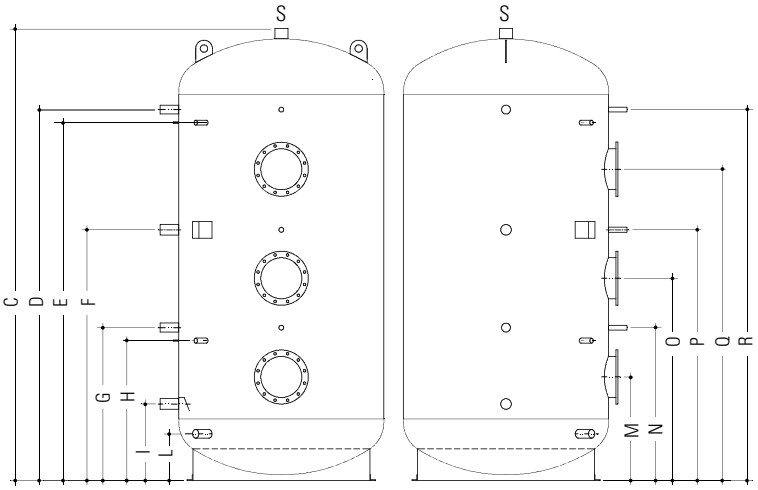
Note: A safety valve with maximum calibration = 6 bar and an expansion vessel suitable for the volume of the DHW system must be installed in the DHW circuit near the storage tank.

Models	Ref.		u.m.	750	1000	1500	2000	3000
Total capacity (storage volume)			ℓ	749	955	1430	1990	2848
Non-solar volume Vbu			ℓ	420	490	790	840	1745
Ø with insulation	A		mm	990	990	1200	1300	1450
Ø without insulation	B		mm	790	790	1000	1100	1250
Height	C		mm	1810	2140	2120	2425	2650
Height with insulation			mm	1900	2230	2180	2495	2705
Anode	D	1"1/4	mm	1500	1830	1720	1990	2180
Thermometer / Probe / Anode	E	1/2"	mm	1430	1760	1650	1920	2110
Electric resistance or recirculation	F	1"1/2	mm	1130	1295	1300	1345	1425
Anode	G	1"1/4	mm	670	760	800	820	835
Thermometer / Probe / Anode	H	1/2"	mm	600	690	730	750	765
Cold water inlet	I	1"1/2 or 2" (*)	mm	350	350	435	410	440
Drain	L	1"1/4	mm	240	240	280	250	235
First flange	M	DN290	mm	470	470	545	555	550
Thermometer / Probe / Anode	N	1/2"	mm	-	-	760	820	835
Second flange	O	DN290	mm	940	1075	1075	1085	1130
Thermometer / Probe / Anode	P	1/2"	mm	1130	1295	1290	1345	1425
Third flange	Q	DN290	mm	1320	1610	1505	1670	1800
Thermometer / Probe / Anode	R	1/2"	mm	1510	1830	1720	1990	2180
Hot water outlet	S	1"1/2 or 2" (*)	mm			Above		
Empty weight			kg	195	205	285	350	620
Dispersion S (**)			W	130	142	162	186	344
Specific dispersion psbsol			W/K	2,89	3,16	3,6	4,13	7,64

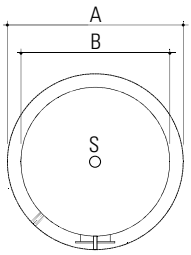
Thread: G (ISO 228-1)
(*) 1"1/2 for models up to 1500, 2" for models from 2000 to 3000
(**) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

Comfort S - Enamelled tanks for domestic water production









Construction
- Storage tank in carbon steel S235JR with dished bottoms with deep drawing; internal organic enamel treatment (treatment with thermosetting resins).
- Insulation in 100 mm thick flexible polyester.
- Insulation with SKY coating in PVC grey color.

Technical data
- Storage tank max continuous operating temperature: 70 °C.
- Storage tank maximum operating pressure: 6 bar

Conformity
- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.

Supplying
Comfort S storage tanks are supplied with closing flange mounted and equipped with thermal insulation and nr. 1 double Boguard electronic anode ■■.
Their completion requires the insertion of the chosen coil; coils are not included.

Note: A safety valve with maximum calibration = 6 bar and an expansion vessel suitable for the volume of the DHW system must be installed in the DHW circuit near the storage tank.

Models	Ref.		u.m.	1500	2000	3000
Total capacity (storage volume)			ℓ	1430	1990	2959
Non-solar volume Vbu			ℓ	790	840	1745
Ø with insulation	A		mm	1200	1300	1450
Ø without insulation	B		mm	1000	1100	1250
Height	C		mm	2105	2425	2700
Height with insulation			mm	2210	2495	2755
Anode	D	1"1/4	mm	1750	1990	2265
Thermometer / Probe / Anode	E	1/2"	mm	1680	1920	2196
Electric resistance or recirculation	F	1"1/2	mm	1295	1345	1455
Anode	G	1"1/4	mm	780	820	865
Thermometer / Probe / Anode	H	1/2"	mm	710	750	795
Cold water inlet	I	1"1/2 or 2" (*)	mm	395	410	475
Drain	L	1"1/4	mm	180	180	190
First flange	M	DN290	mm	530	555	580
Thermometer / Probe / Anode	N	1/2"	mm	780	820	865
Second flange	O	DN290	mm	1000	1085	1165
Thermometer / Probe / Anode	P	1/2"	mm	1295	1345	1455
Third flange	Q	DN290	mm	1525	1670	1860
Thermometer / Probe / Anode	R	1/2"	mm	1750	1990	2265
Hot water outlet	S	1"1/2 or 2" (*)	mm		Above	
Empty weight			kg	285	350	535
Dispersion S (**)			W	162	186	344
Specific dispersion psbsol			W/K	3,60	4,13	7,64

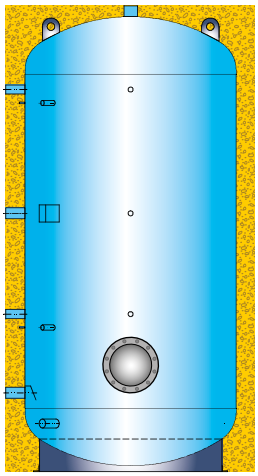
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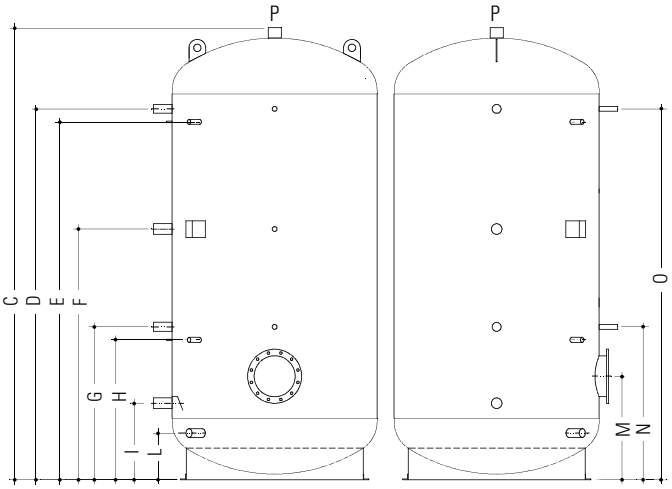
(*) 1"1/2 for models up to 1500, 2" for models from 2000 to 3000
(**) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

Vitrified tanks for domestic water production

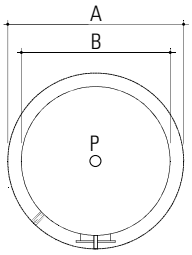
Potable suitability

5 Years Warranty









Construction

- Storage tank in carbon steel S235JR with dished bottoms with deep drawing; internal treatment of inorganic enamelling (vitrification).
- Insulation in 100 mm thick flexible polyester.
- Insulation with SKY coating in PVC grey color.

Technical data

- Storage tank max continuous operating temperature: 95 °C.
- Storage tank maximum operating pressure: 10 bar (models 300-500-750-1000), 8 bar models 1500-2000.

Conformity

- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.
- Complies with DIN 4753.3.

Supplying

The vitrified storage tanks are supplied with the closing flange mounted and equipped with thermal insulation and nr. 1 Boguard electronic anode (single for models 300-500-750-1000 ■, double for models 1500-2000 ■■). In the 2000 model only there is a closing flange mounted.

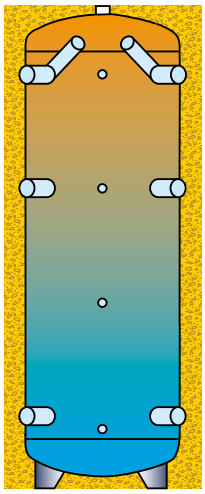
Note: A safety valve with maximum calibration = 6 bar and an expansion vessel suitable for the volume of the DHW system must be installed in the DHW circuit near the storage tank.

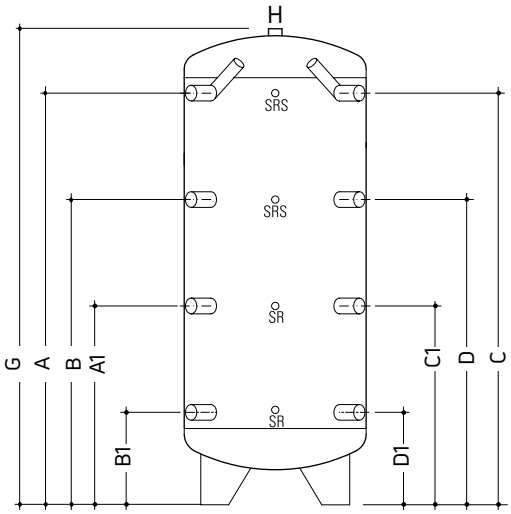
Models	Ref.		u.m.	300	500	750	1000	1500	2000
Total capacity (storage volume)			ℓ	285	490	749	955	1430	1990
Ø with insulation	A		mm	700	850	990	990	1200	1300
Ø without insulation	B		mm	500	650	790	790	1000	1100
Height	C		mm	1615	1690	1810	2140	2120	2425
Height with insulation			mm	1705	1780	1900	2230	2180	2495
Anode	D	1"1/4	mm	1375	1395	1500	1830	1720	1990
Thermometer / Probe / Anode	E	1/2"	mm	1315	1325	1430	1760	1650	1920
Electric resistance/Recirculation	F	1"1/2	mm	1010	1065	1130	1295	1300	1345
Anode	G	1"1/4	mm	540	595	670	760	800	820
Thermometer / Probe / Anode	H	1"1/2	mm	480	525	600	690	730	750
Cold water inlet	I	1"1/2 or 2"(*)	mm	235	285	350	350	435	410
Drain	L	1"1/4	mm	140	165	240	240	250	250
Flange	M	DN290	mm	-	-	-	-	-	555
Thermometer / Probe / Anode	N	1/2"	mm	-	-	-	-	760	820
Thermometer / Probe / Anode	O	1/2"	mm	1375	1395	1510	1830	1720	1990
Hot water outlet	P	1"1/4 or 1"1/2" or 2" (**)	mm	Above					
Empty weight			kg	105	145	195	205	285	350
Dispersion S (***)			W	95	115	130	142	162	186
Specific dispersion psbsol			W/K	2,11	2,56	2,89	3,16	3,6	4,13
Energetic class				C	C	-	-	-	-

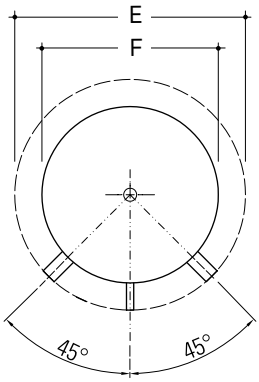
Thread: G (ISO 228-1)
(*) 1"1/2 for models up to 1500, 2" for model 2000
(**) 1"1/4 for models from 300 to 500, 1"1/2 for models from 750 to 1500, 2" for model 2000
(***) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

Puffer for heating water, without coil

5 Years Warranty







Puffer are used for the storage of heating water in support of systems with boiler, wood-burning boiler, thermal stove, fireplaces and other sources of energy.

Construction
- Storage tank untreated inside, painted outside surface.
- Insulation in 100 mm thick flexible polyester.
- Insulation with SKY coating in PVC grey color.

Technical data
- Storage tank max continuous operating temperature: 95 °C.
- Storage tank maximum operating pressure: 3 bar.

Conformity
- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.

Supplying
Puffers are supplied equipped with thermal insulation.

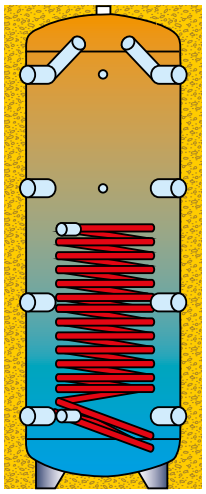
Note: Fit the Puffers with a safety valve and expansion tank suitable for the volume of the system.

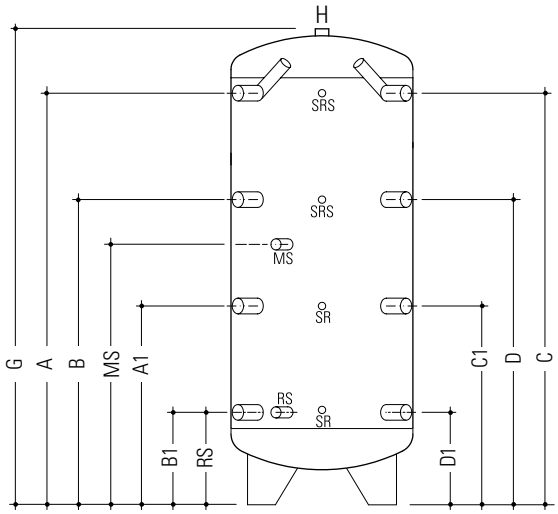
Models	Ref.		u.m.	300	500	1000	1500	2000
Total capacity (storage volume)			ℓ	270	476	920	1410	2010
Fireplace stove flow	A	1"½	mm	1340	1470	1860	1770	2070
Fireplace stove return	A1	1"½	mm	230	710	805	850	950
Heating flow	B	1"½	mm	970	1090	1335	1310	1510
Heating return	B1	1"½	mm	600	330	280	390	390
Boiler flow	C	1"½	mm	1340	1470	1860	1770	2070
Boiler return	C1	1"½	mm	600	710	805	850	950
Third heating source flow or electric resistance	D	1"½	mm	970	1090	1335	1310	1510
Third heating source return	D1	1"½	mm	230	330	280	390	390
Heating probe	SR	1/2"		–	–	–	–	–
Solar heating probe	SRS	1/2"		–	–	–	–	–
Ø with insulation	E		mm	700	850	990	1200	1300
Ø without insulation	F		mm	500	650	790	1000	1100
Vent	H	1"¼				Above		
Height	G		mm	1560	1700	2115	2090	2405
Height with insulation			mm	1665	1800	2215	2190	2505
Empty weight			kg	77,5	105	150	196	215
Dispersion S (*)			W	93	110	143	167	190
Specific dispersion psbsol			W/K	2,07	2,44	3,18	3,71	4,22
Energetic class				C	C	–	–	–

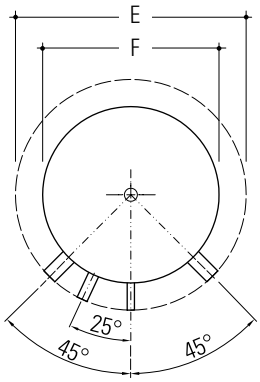
Thread: G (ISO 228-1)
(*) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

Puffer for heating water

5 Years Warranty







Puffer are used for the storage of heating water in support of systems with boiler, wood-burning boiler, thermal stove, fireplaces and other sources of energy.

Construction
- Storage tank untreated inside, painted outside surface.
- With or without coil for solar system or fireplace stove.
- Insulation in 100 mm thick flexible polyester.
- Insulation with SKY coating in PVC grey color.

Technical data
- Storage tank max continuous operating temperature: 95 °C.
- Storage tank maximum operating pressure: 3 bar.
- Coil maximum operating pressure: 10 bar.

Conformity
- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.

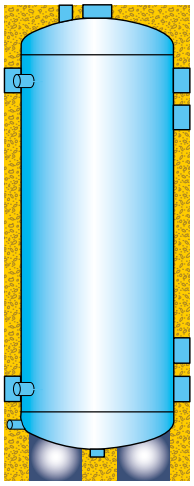
Supplying
Puffers are supplied equipped with thermal insulation.

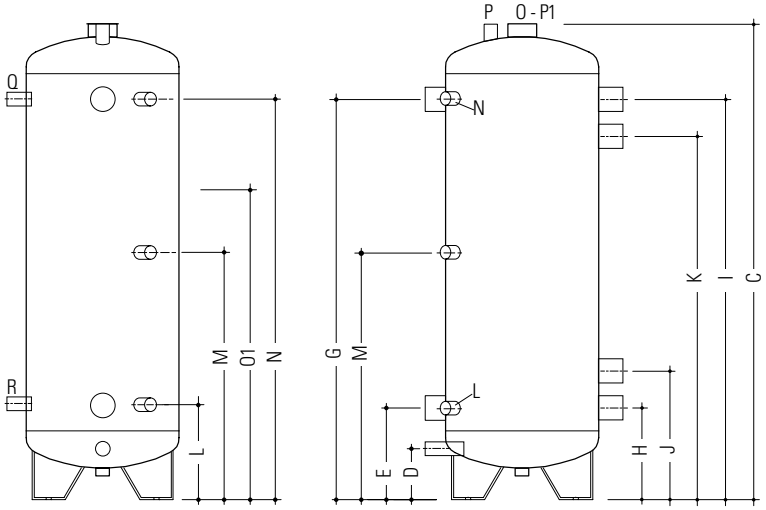
Note: Fit the Puffers with a safety valve and expansion tank suitable for the volume of the system.

Models	Ref.		u.m.	300	500	1000	1500	2000
Total capacity (storage volume)			ℓ	270	476	920	1410	2010
Fireplace stove flow	A	1"½	mm	1340	1470	1860	1770	2070
Fireplace stove return	A1	1"½	mm	230	710	805	850	950
Heating flow	B	1"½	mm	970	1090	1335	1310	1510
Heating return	B1	1"½	mm	600	330	280	390	390
Boiler flow	C	1"½	mm	1340	1470	1860	1770	2070
Boiler return	C1	1"½	mm	600	710	805	850	950
Third heating source flow or electric resistance	D	1"½	mm	970	1090	1335	1310	1510
Third heating source return	D1	1"½	mm	230	330	280	390	390
Solar flow	MS	1"	mm	830	930	990	1290	1290
Solar return	RS	1"	mm	230	330	280	390	390
Heating probe	SR	1/2"		–	–	–	–	–
Solar heating probe	SRS	1/2"		–	–	–	–	–
Ø with insulation	E		mm	700	850	990	1200	1300
Ø without insulation	F		mm	500	650	790	1000	1100
Vent	H	1"¼				Above		
Height	G		mm	1560	1700	2115	2090	2405
Height with insulation			mm	1665	1800	2215	2190	2505
Coil exchange surface			m^2	1,8	1,8	2,6	3,8	3,8
Fixed coil content			ℓ	10,4	10,4	14,6	21,6	21,6
Empty weight			kg	95	124	180	240	260
Dispersion S (*)			W	93	110	143	167	190
Specific dispersion psbsol			W/K	2,07	2,44	3,18	3,71	4,22
Energetic class				C	C	–	–	–

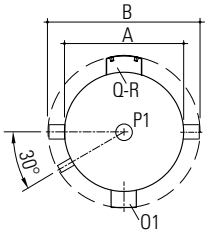
Thread: G (ISO 228-1)
(*) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

ETW - Storage tanks for hot and cold technical water



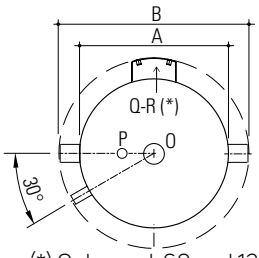


MOD. 25



2 Years Warranty

MOD. 60 - 120 - 200 - 280



(*) Only mod. 60 and 120

ETW series storage tanks are particularly suitable for storing hot and cold technical water, to create thermal buffers for heat pump systems. They are not suitable for storing water for hygienic-sanitary use.

Construction
- Storage tank untreated inside.
- Insulation in rigid expanded polyurethane foamed directly on the tank: thickness 40 mm (models ETW 25-60), thickness 50 mm (models ETW 120-200-280).
- Insulation with SKY coating in PVC grey color.

Technical data
- Storage tank max continuous operating temperature: 95 °C.
- Storage tank maximum operating pressure: 6 bar.

Conformity
- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.

Supplying
ETW storage tanks are supplied with thermal insulation.

Note: ETW 25-60-120 models can be hung on the wall using the brackets supplied.

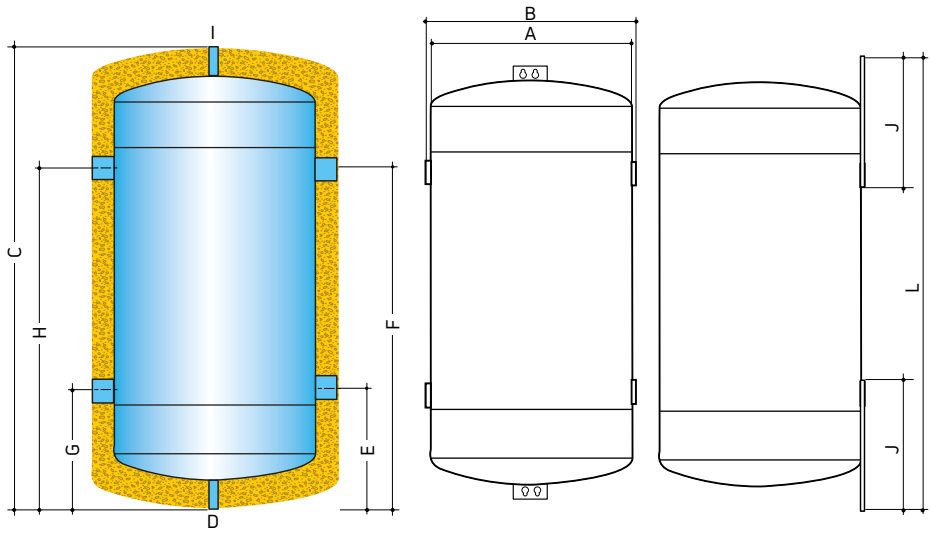
Models	Ref.	ETW 25	ETW 60 ETW 120	ETW 200	ETW 280	u.m.	ETW 25	ETW 60	ETW 120	ETW 200	ETW 280
Total capacity (storage volume)						ℓ	24	57	123	203	277
Ø without insulation	A					mm	300	300	400	450	500
Ø with insulation	B					mm	380	380	510	550	600
Height	C					mm	451	935	1100	1395	1560
Height with insulation						mm	461	945	1120	1405	1570
Drain	D	1/2"	1/2"	1/2"	3/4"	mm	80	100	100	105	120
System return	E	1"1/4	1"1/4	1"1/2	2"	mm	165	180	185	215	235
System flow	G	1"1/4	1"1/4	1"1/2	2"	mm	300	785	935	1200	1340
Heat pump return	H	1"1/4	1"1/4	1"1/2	2"	mm	165	180	185	215	235
Boiler flow	I	1"1/4	1"1/4	1"1/2	2"	mm	300	785	935	1200	1340
Boiler return	J	-	1"1/4	1"1/2	2"	mm	–	275	280	315	350
Heat pump flow	K	-	1"1/4	1"1/2	2"	mm	–	690	840	1100	1225
Thermometer - probe	L	1/2"	1/2"	1/2"	1/2"	mm	80	180	185	215	235
Thermometer - probe	M	1/2"	1/2"	1/2"	1/2"	mm	165	485	560	705	785
Thermometer - probe	N	1/2"	1/2"	1/2"	1/2"	mm	300	785	935	1200	1340
Electric resistance (*)	O	-	1" 1/2	1" 1/2	1" 1/2		–			Above	
	O1	1" 1/2	-	-	-	mm	210	–	–	–	–
Air vent connection	P	1/2"	1/2"	1/2"	1/2"		–			Above	
	P1	1"	-	-	-		Above	–	–	–	–
Upper bracket	Q					mm	300	785	935	–	–
Lower bracket	R					mm	165	180	185	–	–
Empty weight						kg	18	25	35	45	55
Dispersion S (**)						W	19	34	50	68	82
Specific dispersion psbsol						W/K	0,42	0,75	1,10	1,51	1,82
Energetic class							A	B	B	C	C

Thread: G (ISO 228-1)
(*) The electric resistance, in the models 60, 120, 200, 280 (connexion O), must be suitable for operation in vertical position.
(**) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

ETW Inox

Storage tanks for hot and cold technical water in stainless steel

2 Years Warranty



ETW Inox series storage tanks are particularly suitable for storing hot and cold technical water, to create thermal buffers for heat pump systems. They are not suitable for storing water for hygienic-sanitary use.

Construction
- Storage tank in stainless steel.
- Insulation in cross-linked expanded polyethylene thickness 24 mm (model ETW 26) or 30 mm (model ETW 51).

Technical data
- Storage tank maximum operating temperature: 95 °C.
- Storage tank maximum operating pressure: 5 bar.

Conformity
- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.

Supplying
ETW Inox storage tanks are supplied with thermal insulation.

Note: ETW Inox storage tanks can be hung on the wall using the supplied brackets.

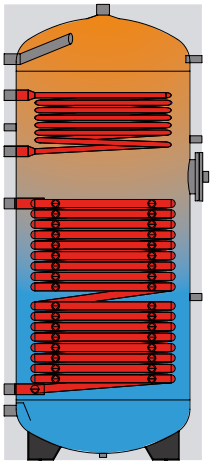
Models	Ref.		u.m.	ETW 26	ETW 51
Total capacity (storage volume)			ℓ	23	50
Ø with insulation	A		mm	302	379
Maximum width	B		mm	320	385
Height with insulation	C		mm	554	755
Drain	D	3/8" F	mm	0	0
System return	E	1"1/4 F	mm	124,5	155,5
System flow	F	1"1/4 F	mm	429,5	599,5
Heat pump return	G	1"1/4 F	mm	124,5	155,5
Heat pump flow	H	1"1/4 F	mm	429,5	599,5
Air vent connection	I	3/8" F	mm	554	755
Bracket length	J		mm	160	190
Lenght including brackets	L		mm	599	775
Empty weight			kg	6	9
Dispersion S (*)			W	43	54
Specific dispersion psbsol			W/K	0,96	1,20
Energetic class				C	C

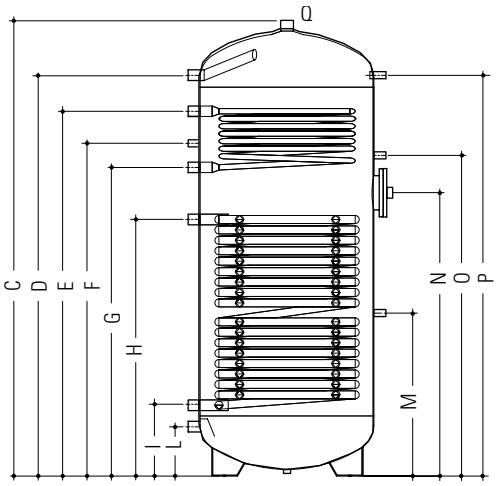
(*) In accordance with standard EN 12897:2020 with water temperature in the storage tank Tw=65 °C and ambient temperature Ta= 20 °C

HP2V - Vitrified tanks for domestic water production with heat pump and boiler

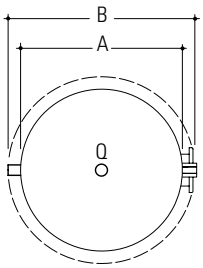
Potable suitability

5 Years Warranty









Construction

- Storage tank in carbon steel S235JR with dished bottoms with deep drawing; internal treatment of inorganic enamelling (vitrification).
- Insulation: in 50 mm thick rigid expanded polyurethane (models 300-500); in 100 mm thick flexible polyester (models 750-1000).
- Insulation with SKY coating in PVC grey color.
- S235JR carbon steel coils.

Technical data

- Storage tank max continuous operating temperature: 95 °C.
- Storage tank maximum operating pressure: 10 bar.
- Coils maximum operating pressure: 10 bar.

Conformity

- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.
- Complies with DIN 4753.3.

Supplying

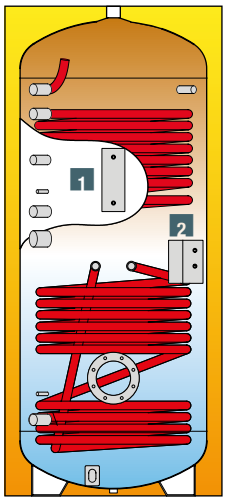
HP2V storage tanks are supplied with the closing flange mounted and equipped with thermal insulation and nr. 1 Boguard electronic anode ■.

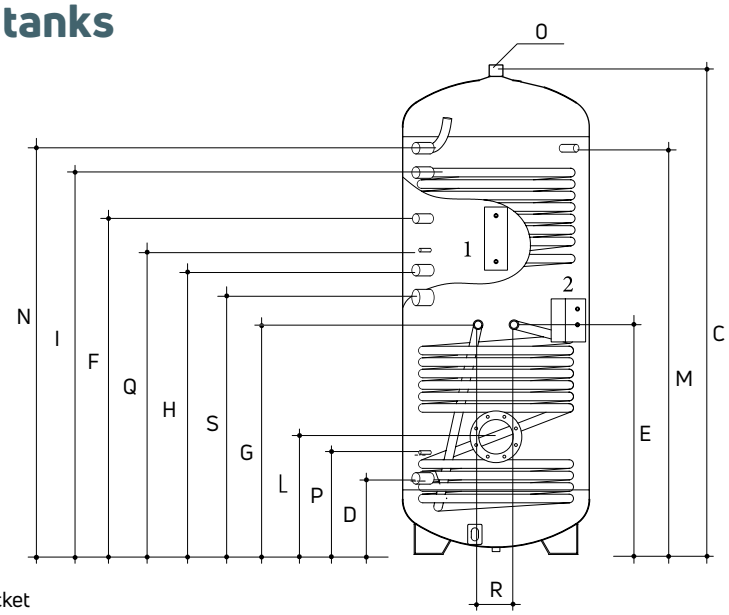
Note: A safety valve with maximum calibration = 6 bar and an expansion vessel suitable for the volume of the DHW system must be installed in the DHW circuit near the storage tank.

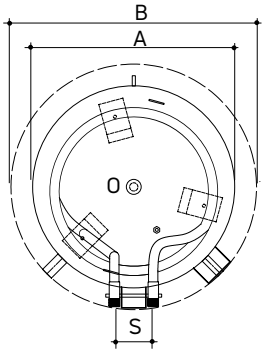
Models	Ref.	u.m.	300 / 500	750 / 1000	HP2V 300	HP2V 500	HP2V 750	HP2V 1000
Total capacity (storage volume)		ℓ			260	455	702	900
Energetic class					C	C	-	-
Dispersion S (*)		W			85	112	130	142
Specific dispersion psbsol		W/K			1,88	2,49	2,89	3,16
Empty weight		kg			125	170	288	318
Non-solar volume Vbu		ℓ			175	300	385	430
Lower coil exchange surface		m^2			3,7	5,2	5,1	6,0
Lower coil content		ℓ			18,0	31,0	39,9	36,6
Upper coil exchange surface		m^2			0,7	1,0	1,0	1,4
Upper coil content		ℓ			3,5	5,9	6,4	8,3
Ø without insulation	A	mm			500	650	790	790
Ø with insulation	B	mm			600	750	990	990
Height	C	mm			1615	1705	1810	2140
Height with insulation		mm			1615	1705	1875	2205
Hot water outlet	D	mm	1"	1"1/4	1470	1500	1610	1830
Upper coil inlet	E	mm	1"	1"1/4	1320	1365	1440	1660
Recirculation	F	mm	1/2"	1"	1090	1245	1270	1485
Upper coil outlet	G	mm	1"	1"1/4	1180	1155	1125	1345
Lower coil inlet	H	mm	1"	1"1/4	960	970	915	1085
Lower coil outlet	I	mm	1"	1"1/4	220	265	350	350
Cold water inlet	L	mm	1"	1"1/4	140	185	240	240
Thermostat / Thermometer	M	mm	1/2"	1/2"	605	610	565	520
Flange/Electric resistance	N	mm	DN 180 / 1"1/2	DN 180 / 1"1/2	1045	1070	1015	1200
Thermostat / Thermometer	O	mm	1/2"	1/2"	1230	1210	1270	1485
Thermometer / Probe	P	mm	1/2"	1/2"	1390	1365	1610	1830
Anode	Q		1" (mod. 300) 1"1/4 (mod. 500)	1"1/2	Above			

Thread: G (ISO 228-1)
(*) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

HEVSN solar tanks







Potable suitability

5 Years Warranty

1 Solar station support bracket
2 Expansion vessel support bracket

Construction
- Inorganic glazing (vitrification)
- Insulation in 70 mm thick rigid expanded polyurethane

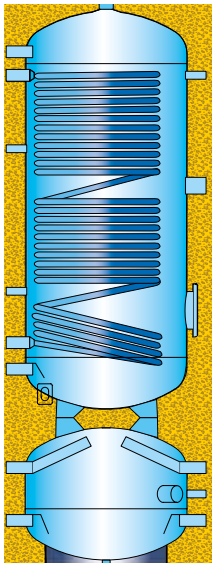
Conformity
- Compliant with art. 4.3 PED directive 2014/68/EU
- Complies with DIN 4753.3 and UNI 10025

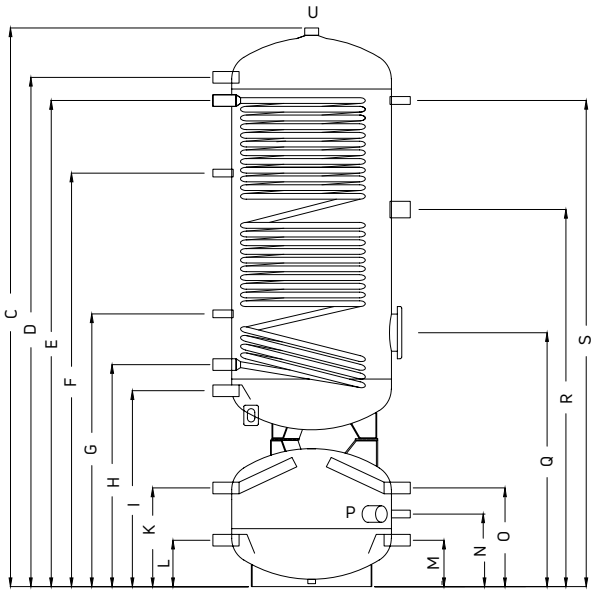
Technical data
- Maximum working pressure: 6 bar (coil), 10 bar (sanitary)
- Storage tank max continuous operating temperature: 95 °C
- Test pressure: 15 bar
- Insulation coating in gray PVC SKY

Model			u.m.	300	500
Total capacity (storage volume)			ℓ	273	475
Non-solar volume Vbu			ℓ	110	205
Ø without insulation		A	mm	500	650
Ø with insulation		B	mm	640	790
Height		C	mm	1615	1705
Height with insulation			mm	1625	1715
Cold water inlet	1"	D	mm	220	265
Lower coil outlet	1"	E	mm	800	800
Recirculation	3/4"	F	mm	1145	1170
Lower coil entry	1"	G	mm	800	800
Upper coil outlet	1"	H	mm	965	990
Upper coil entry	1"	I	mm	1305	1330
Flange	DN 180	L	mm	330	410
Thermometer / Probe	1/2"	M	mm	1390	1415
Hot water outlet	1"	N	mm	1390	1415
Anode	1"1/4	O		in alto	in alto
Probe	Ø 10	P	mm	310	355
Probe	Ø 10	Q	mm	1035	1060
Connection center distance		R	mm	125	125
Electric resistance / Recirculation	1"1/2	S	mm	860	895
Lower serpentine surface			m^2	1,3	1,7
Upper serpentine surface			m^2	0,9	1,2
Lower coil content			ℓ	7,8	10,1
Upper coil content			ℓ	5,3	7,5
Weight (empty)			kg	125	165
Dispersion S (*)			W	63	80
Specific dispersion psbsol			W/K	1,40	1,78
Energetic class				B	B

Thread : G (ISO 228-1)
(*) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

HYBV1S Double tanks for domestic water and technical water

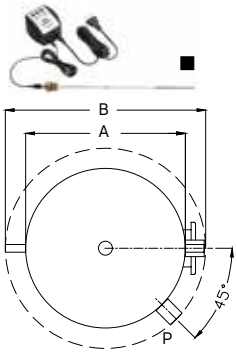




Potable suitability*

5 Years Warranty

* valid only for domestic hot water storage



HYBV1S series storage tanks consist of a double storage tank for the production of domestic hot water from a heat pump with thermal flywheel for hot or chilled technical water.

Construction
- Upper tank in S235JR carbon steel with deep drawing dished ends; internal treatment of inorganic enamelling (vitrification).
- Lower tank with untreated inside.
- Insulation: in 70 mm thick rigid expanded polyurethane.
- Insulation with SKY coating in PVC grey color.
- S235JR carbon steel coil.

Technical data
- Storage tank max continuous operating temperature: 95 °C.
- Sanitary storage tank maximum operating pressure: 10 bar.
- Technical water storage tank max operating pressure: 6 bar.
- Coil maximum operating pressure: 10 bar.

Conformity
- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.
- Complies with DIN 4753.3.

Supplying
HYBV1S storage tanks are supplied with a DN180 closing flange mounted (for possible integration with solar thermal through an additional coil to be purchased separately), equipped with thermal insulation and nr. 1 Boguard electronic anode .

Note: A safety valve with maximum calibration = 6 bar and an expansion vessel suitable for the volume of the DHW system must be installed in the DHW circuit near the storage tank.

Models	Ref.		u.m.	HYBV1S 300	HYBV1S 500
Storage volume (sanitary storage/technical water)			ℓ	350 (270/80)	524 (450/74)
Non-solar volume Vbu			ℓ	0	0
Ø without insulation	A		mm	550	650
Ø with insulation	B		mm	690	790
Height	C		mm	1925	2040
Height with insulation			mm	1935	2050
Domestic hot water flow	D	1"	mm	1755	1850
Coil inlet	E	1"	mm	1675	1755
Recirculation	F	1/2"	mm	1425	1520
Probe	G	1/2"	mm	940	810
Coil outlet	H	1"	mm	765	655
Sanitary cold water inlet	I	1"	mm	675	565
Heat pump flow	K	1"	mm	340	235
Heat pump return	L	1"	mm	160	135
System return	M	1"	mm	160	135
Thermometer - probe	N	1/2"	mm	250	235
System flow	O	1"	mm	340	235
Electric resistance	P	1"1/2	mm	250	135
Flange	Q	DN 180	mm	875	750
Resistance	R	1"1/2	mm	1300	1355
Thermometer - probe	S	1/2"	mm	1675	1770
Anode	U	1"1/4	mm	Above	
Coil exchange surface			m^2	3,3	6,0
Coil content			ℓ	20,2	51,5
Empty weight			kg	150	200
Dispersion S (*)			W	73	84
Specific dispersion psbsol			W/K	1,62	1,87
Energetic class				B	B

Thread: G (ISO 228-1)
(*) In compliance with UNI EN 12897 with Twater = 65 °C and Tenvironment = 20 °C

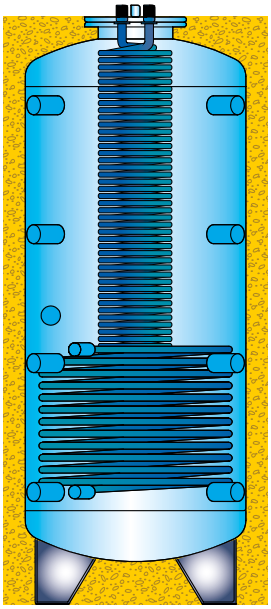
EBN 300-500

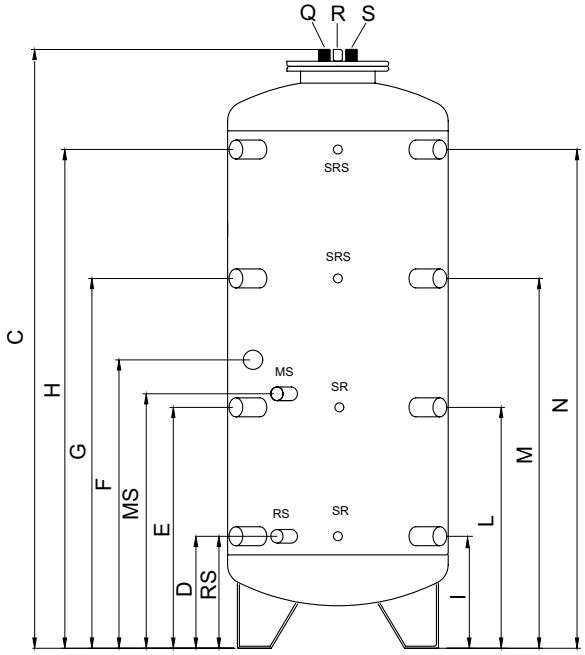
Storage tanks for heating water for integrated systems

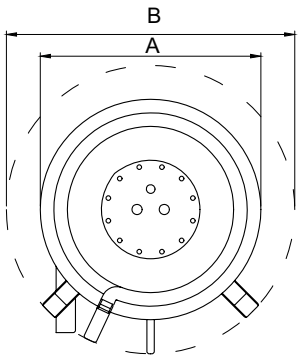
Potable suitability*

5 Years Warranty

* valid only for the internal coil for domestic hot water







EBN300-500 storage tanks are designed to be able to integrate multiple energy sources present in the heating system, such as, for example: heat pumps, thermal solar collectors, gas boilers, thermo fireplaces, etc.

Characteristics
- Solar integration to heating
- Integration of condensing boiler
- Possible integration of heat pump
- Possible integration of wood boiler

Construction
- Crude storage tank inside.
- Insulation: in 100 mm thick flexible polyester.
- Insulation with SKY coating in PVC grey color.
- S235JR carbon steel solar coil.
- Coil for domestic hot water production in copper.

Technical data
- Storage tank max continuous operating temperature: 95 °C.
- Storage tank maximum operating pressure: 3 bar.
- Solar coil maximum operating pressure: 10 bar.
- Sanitary coil maximum operating pressure: 10 bar.

Conformity
- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.

Supplying

EBN300-500 storage tanks are supplied with thermal insulation.

Models	Ref.		u.m.	EBN 300	EBN 500
Total capacity (storage volume)			ℓ	270	450
Non-solar volume Vbu			ℓ	0	0
Ø without insulation	A		mm	500	650
Ø with insulation	B		mm	700	850
Height	C		mm	1625	1765
Height with insulation			mm	1625	1765
Heating system return	D	1"1/2	mm	230	330
Solar return	RS	1"	mm	230	330
Fireplace stove return	E	1"1/2	mm	600	710
Solar flow	MS	1"	mm	830	750
Electric resistance	F	1"1/2	mm	930	850
Heating system flow	G	1"1/2	mm	1040	1090
Fireplace stove flow	H	1"1/2	mm	1340	1470
Floor system return	I	1"1/2	mm	230	330
Boiler return	L	1"1/2	mm	600	710
Floor system flow	M	1"1/2	mm	1040	1090
Boiler flow	N	1"1/2	mm	1340	1470
Sanitary cold water inlet	Q	1" (*)	mm	Above	Above
Air vent	R	1/2"	mm	Above	Above
Sanitary hot water outlet	S	1" (*)	mm	Above	Above
Heating probe	SR	1/2"	mm	-	-
Solar heating probe	SRS	1/2"	mm	-	-
Lower coil heat exchange surface			m^2	1,9	2,5
Lower coil water content			ℓ	11,4	14,9
Sanitary coil heat exchange surface			m^2	5,0	5,0
Sanitary coil water content			ℓ	3,5	3,5
Empty weight			kg	130	150
Dispersion S (**)			W	93	112
Specific dispersion psbsol			W/K	2,07	2,49
Energetic class				C	C

Thread: G (ISO 228-1)
(*) With dielectric joint
(**) In compliance with UNI EN 12897 with Twater = 65 °C and Tenvironment = 20 °C

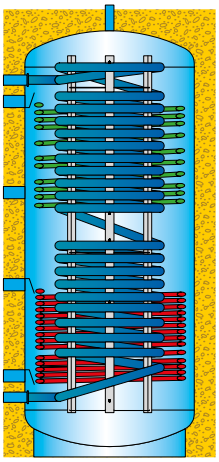
EB 1000-1500

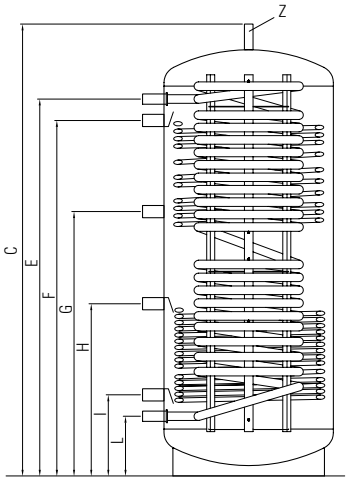
Storage tanks for heating water for integrated systems

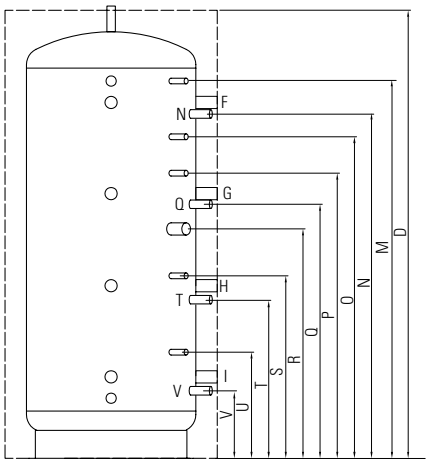
Potable suitability*

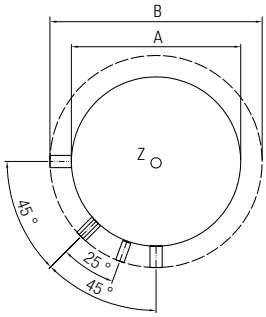
5 Years Warranty

* valid only for the internal coil for domestic hot water









EB1000-1500 storage tanks are designed to be able to integrate multiple energy sources present in the heating system, such as, for example: heat pumps, thermal solar collectors, gas boilers, thermo fireplaces, etc.

Characteristics
- Solar integration to heating
- Integration of condensing boiler
- Possible integration of heat pump
- Possible integration of wood boiler
- Stratification with hydraulic chimney

Construction
- Crude storage tank inside.
- Insulation: in 100 mm thick flexible polyester.
- Insulation with SKY coating in PVC grey color.
- Solar coil and alternative energy coil in S235JR carbon steel.
- Coil for domestic hot water production in AISI 316L stainless steel.

Technical data
- Storage tank max continuous operating temperature: 95 °C.
- Storage tank maximum operating pressure: 3 bar.
- Sanitary coil maximum operating pressure: 6 bar.
- Max operating pressure of the alternative energy coil: 10 bar.
- Solar coil maximum operating pressure: 10 bar.

Conformity
- Complies with EU Regulations 812/2013 and 814/2013.
- Compliant with art. 4.3 PED Directive 2014/68/EU.

Supplying
EB1000-1500 storage tanks are supplied with thermal insulation.

Models	Ref.		u.m.	EB 1000 S30 AS76 AUX20	EB 1500 S35 AS89 AUX30
Total capacity (storage volume)			ℓ	870	1470
Non-solar volume Vbu			ℓ	356	672
Ø without insulation	A		mm	790	1000
Ø with insulation	B		mm	990	1200
Height	C		mm	2110	2240
Insulation height	D		mm	2135	2265
Sanitary hot water outlet	E	1"1/4	mm	1760	1825
Boiler flow	F	1"1/2	mm	1660	1725
Heating system flow	G	1"1/2	mm	1235	1300
Boiler return	H	1"1/2	mm	805	870
Heating system return	I	1"1/2	mm	380	445
Sanitary cold water inlet	L	1"1/4	mm	280	345
Thermometer - probe	M	1/2"	mm	1760	1825
Alternative energy flow	N	1"	mm	1655	1715
Thermometer - probe	O	1/2"	mm	1500	1525
Thermometer - probe	P	1/2"	mm	1330	1415
Alternative energy return	Q	1"	mm	1185	1165
Electric resistance	R	1"1/2	mm	1070	1055
Thermometer - probe	S	1/2"	mm	840	870
Solar flow	T	1"	mm	785	835
Thermometer - probe	U	1/2"	mm	495	520
Solar return	V	1"	mm	365	445
Air vent	Z	1"		Above	Above
Sanitary coil exchange surface ■			m^2	7,6	8,9
Sanitary coil water content ■			ℓ	48	56
Sanitary coil nominal flow rate ■			m^3/h	1,89	2,36
Sanitary coil pressure drop referred to the nominal flow rate ■			mbar	100	150
Alternative energy coil exchange surface ■			m^2	2,0	3,0
Alternative energy coil water content ■			ℓ	11,8	19,0
Solar coil exchange surface ■			m^2	3,0	3,5
Solar coil water content ■			ℓ	16,6	20,5
Empty weight			kg	315	390
Dispersion S (*)			W	141	170
Specific dispersion psbsol			W/K	3,13	3,78

Thread: G (ISO 228-1)
(*) In compliance with UNI EN 12897 with T_{water} = 65 °C and $T_{environment}$ = 20 °C

■ Sanitary coil
■ Alternative energy coil
■ Solar coil

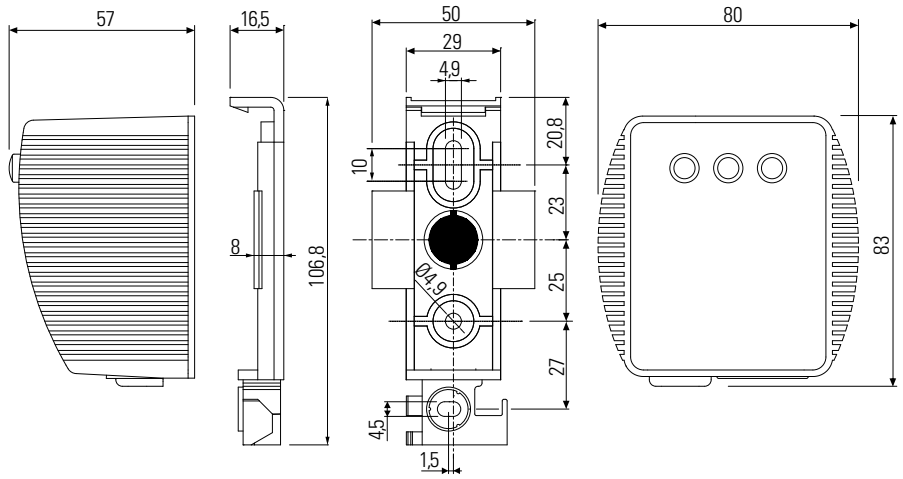
Tanks

Compatibility SH electric heaters / Emmeti tanks

Tank models	Resistance model								
	SH-1,5	SH-2,0	SH-2,5	SH-3,0	SH-3,8	SH-4,5	SH-6,0	SH-7,5	SH-9,0
Euro V 150	•	•	•	•	•	•	--	--	--
Euro V 200	•	•	•	•	•	•	--	--	--
Euro V 300	•	•	•	•	•	•	--	--	--
Euro V 500	•	•	•	•	•	•	•	--	--
Euro HPV 200	•	•	•	•	•	•	--	--	--
Euro HPV 300	•	•	•	•	•	•	--	--	--
Euro HPV 500	•	•	•	•	•	•	•	--	--
Euro HPV 1000	•	•	•	•	•	•	•	•	•
Euro HPVE 300	•	•	•	•	•	--	--	--	--
Euro HPVE 500	•	•	•	•	•	•	--	--	--
HP2V 300	•	•	•	•	•	•	--	--	--
HP2V 500	•	•	•	•	•	•	•	--	--
HP2V 750	•	•	•	•	•	•	•	•	•
HP2V 1000	•	•	•	•	•	•	•	•	•
Comfort V 2F 200	•	•	•	•	•	•	--	--	--
Comfort V 2F 300	•	•	•	•	•	•	--	--	--
Comfort V 2F 500	•	•	•	•	•	•	•	•	--
Comfort V 3F 750	•	•	•	•	•	•	•	•	•
Comfort V 3F 1000	•	•	•	•	•	•	•	•	•
Comfort V 3F 1500	•	•	•	•	•	•	•	•	•
Comfort V 3F 2000	•	•	•	•	•	•	•	•	•
Comfort V 3F 3000	•	•	•	•	•	•	•	•	•
Comfort S 3F 1500	•	•	•	•	•	•	•	•	•
Comfort S 3F 2000	•	•	•	•	•	•	•	•	•
Comfort S 3F 3000	•	•	•	•	•	•	•	•	•
HE2VE 200	•	•	•	•	•	•	--	--	--
HE2VE 300	•	•	•	•	•	•	--	--	--
HE2VE 500	•	•	•	•	•	•	•	--	--
HE2VE 750	•	•	•	•	•	•	•	•	--
HE2VE 1000	•	•	•	•	•	•	•	•	•
HE2VE 1500	•	•	•	•	•	•	•	•	•
HE2VE 2000	•	•	•	•	•	•	•	•	•
Storage tanks V 300	•	•	•	•	•	•	--	--	--
Storage tanks V 500	•	•	•	•	•	•	•	•	--
Storage tanks V 750	•	•	•	•	•	•	•	•	•
Storage tanks V 1000	•	•	•	•	•	•	•	•	•
Storage tanks V 1500	•	•	•	•	•	•	•	•	•
Storage tanks V 2000	•	•	•	•	•	•	•	•	•
Puffer 300 N	•	•	•	•	•	•	--	--	--
Puffer 500 N	•	•	•	•	•	•	•	•	--
Puffer 1000 N	•	•	•	•	•	•	•	•	•
Puffer 1500 N	•	•	•	•	•	•	•	•	•
Puffer 2000 N	•	•	•	•	•	•	•	•	•
Puffer 300 N 1S	•	•	•	•	•	•	--	--	--
Puffer 500 N 1S	•	•	•	•	•	•	•	•	--
Puffer 1000 N 1S	•	•	•	•	•	•	•	•	•
Puffer 1500 N 1S	•	•	•	•	•	•	•	•	•
Puffer 2000 N 1S	•	•	•	•	•	•	•	•	•
ETW 25	•	•	--	--	--	--	--	--	--
ETW 26	--	--	--	--	--	--	--	--	--
ETW 51	--	--	--	--	--	--	--	--	--
ETW 60	--	--	--	--	--	--	--	--	--
ETW 120	--	--	--	--	--	--	--	--	--
ETW 200	--	--	--	--	--	--	--	--	--
ETW 280	--	--	--	--	--	--	--	--	--
EBN300	•	•	--	--	--	--	--	--	--
EBN500	•	•	•	•	•	--	--	--	--
EB1000-S30-AS76 AUX20	•	•	•	•	•	•	•	•	•
EB1500-S35-AS89 AUX30	•	•	•	•	•	•	•	•	•
HYBV1S 300	•	•	•	•	•	•	--	--	--
HYBV1S 500	•	•	•	•	•	•	•	--	--

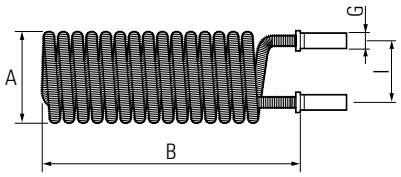
• Usable -- NOT Usable

Boguard - electronic anode



LS08 - LS12

Tinned finned copper heating coils for HEVSN, Euro V, Euro HPV, HYBV1S, HP2V boilers.
Including DN180 flange and gasket, flange cover, washers and dielectric joints.



Model		u.m.	LS 08	LS 12
external Ø	A	mm	100	100
Length	B	mm	450	550
Surface		m^2	0,80	1,21
Flange		DN	180	180
Connections (*)	G	gas	3/4"	3/4"
Connection takeoffs	I	mm	60	60
Content		ℓ	0,5	0,5
Empty weight		kg	5,0	9,6

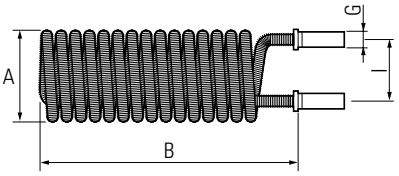
(*) with dielectric joints

LS 08
For use on tanks Euro V 150 - 200 - 300 - 500,
Euro HPV 200 - 300 - 500 - 1000,
HYBV1S 300 - 500, HP2V 300 - 500 - 750 - 1000,
HEVSN 300 - 500.

LS 12
Can be used on tanks Euro V 500,
Euro HPV 500 - 1000, HYBV1S 500,
HP2V 500 - 750 - 1000 - HEVSN 500.

LN 12 ÷ LN 63

Finned copper coil kit for Comfort V, Comfort S, HE2V models 1500 and 2000, Glazed storage tank 2000.
Including DN290 flange and gasket, flange cover, washers and dielectric joint.

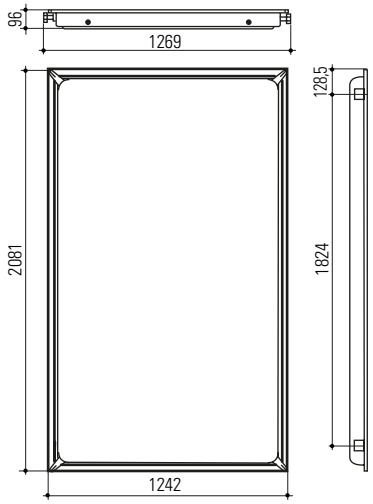


Model		u.m.	LN 12	LN 18	LN 26	LN 32	LN 45	LN 63
external Ø	A	mm	200	200	200	200	200	200
Length	B	mm	420	470	580	660	750	980
Surface		m^2	1,21	1,80	2,63	3,20	4,54	6,34
Flange		DN	290	290	290	290	290	290
Connections (*)	G	gas	1"	1"	1"	1"	1"1/4	1"1/4
Connection takeoffs	I	mm	80	80	80	80	80	80
Content		ℓ	0,7	1,4	2,0	2,5	3,5	5,0
Weight without fittings		kg	9,6	11,7	14,9	17,0	21,1	29,0
For thanks (from÷to)		ℓ	200 ÷ 3000	200 ÷ 3000	500 ÷ 3000	750 ÷ 3000	750 ÷ 3000	1500 ÷ 3000

(*) with dielectric joints

Arcobaleno

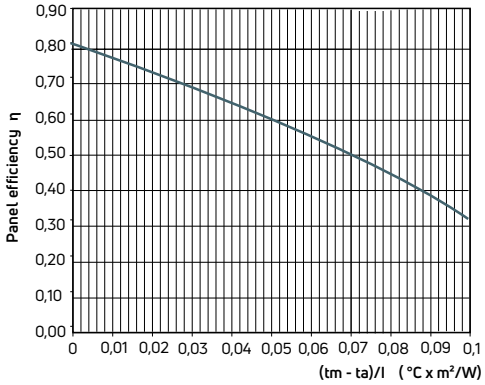
"SRTV" tray type with selective surface



Technical data	u.m.	
Gross surface	m^2	2,59
Opening (net) surface	m^2	2,31
Absorber surface	m^2	2,29
Connections		1" M - 1" F - Swivel
Empty weight	kg	40,5
Fluid content	ℓ	1,86
Stagnation temperature (*)	°C	196
Max operating pressure	bar	10
Test pressure (**)	bar	15
Q_{COL} (***)	kWh	1193

Thread: G (ISO 228-1)
(*) Referred at I=1000 W/m^2 and 30 °C
(**) 100% of production
(***) Heat energy produced annually, related to the Würzburg locality and to an average operating temperature of Tm equal to 50 ° C

Diagram of efficiency

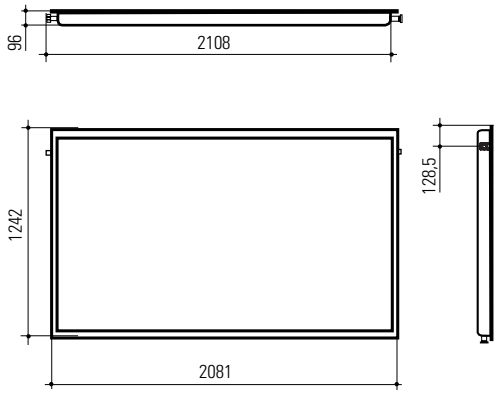


$\eta 0_a$ = 0,803
$a1_a$ = 3,715
$a2_a$ = 0,011
tm = Fluid average temperature (°C)
ta = Ambient temperature (°C)
I = Global radiation (W/m^2)
$K\theta$ (50°) = 0,94
Heat capacity = 25,19 kJ/K

Note: values for normal incidence I=1000 W/m^2 and referred to the net surface.

Arcobaleno

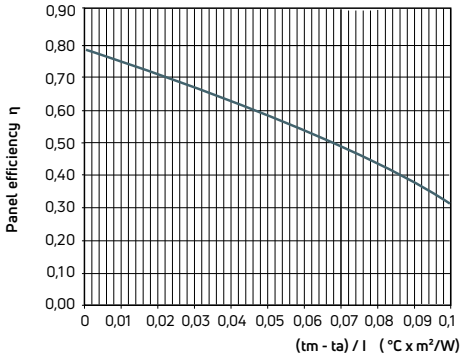
"SRTO" tray type with selective surface



Technical data	u.m.	
Gross surface	m^2	2,59
Opening (net) surface	m^2	2,31
Absorber surface	m^2	2,29
Connections		1" M - 1" F - swivel
Empty weight	kg	40
Fluid content	ℓ	1,7
Stagnation temperature (*)	°C	212
Max operating pressure	bar	10
Test pressure (**)	bar	15
Q_{COL} (***)	kWh	1127

Thread: G (ISO 228-1)
(*) Referred at I=1000 W/m^2 and 30 °C
(**) 100% of production
(***) Heat energy produced annually, related to the Würzburg locality and to an average operating temperature of Tm equal to 50 ° C

Diagram of efficiency

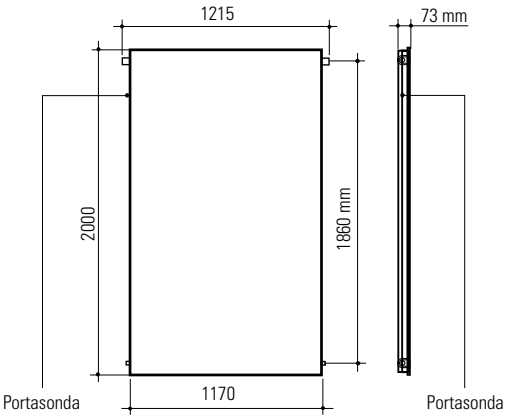


$\eta 0_a$ = 0,782
$a1_a$ = 3,378
$a2_a$ = 0,010
tm = Fluid average temperature (°C)
ta = Ambient temperature (°C)
I = Global radiation (W/m^2)
$K\theta$ (50°) = 0,94
Heat capacity = 22,61 kJ/K

Note: values for normal incidence I=1000 W/m^2 and referred to the net surface.

Arcobaleno

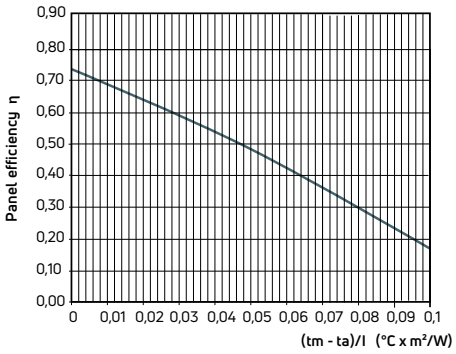
"SXM" type with selective surface



Technical data	u.m.	
Gross surface	m^2	2,34
Opening (net) surface	m^2	2,24
Absorber surface	m^2	2,14
Connections: copper pipe	mm	Ø 22
Empty weight	kg	32
Fluid contant	ℓ	1,6
Stagnation temperature (*)	°C	227
Max operating pressure heating	bar	10
Pressione di collaudo (**)	bar	15
Q_{COL} (***)	kWh	901

(*) Referred at I=1000 W/m^2 and 30 °C
(**) 100% of production
(***) Heat energy produced annually, related to the Würzburg locality and to an average operating temperature of Tm equal to 50 ° C

Diagram of efficiency

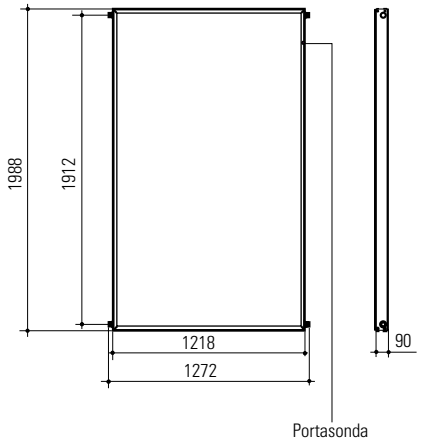


$\eta 0_a$ = 0,733
$a1_a$ = 4,269
$a2_a$ = 0,0143
tm = Fluid average temperature (°C)
ta = Ambient temperature (°C)
I = Global radiation (W/m^2)
$K\theta$ (50°) = 0,93
Heat capacity = 10,9 kJ/K

Note: values for normal incidence I=1000 W/m^2 and referred to the net surface.

Arcobaleno

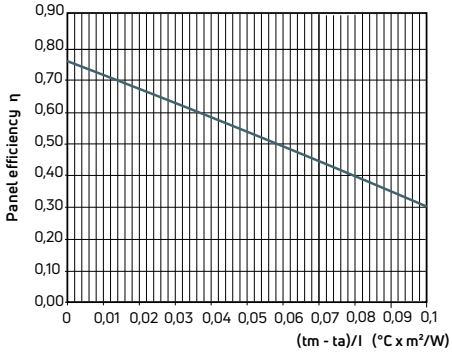
"NS" type with selective surface



Technical data	u.m.	
Gross surface	m^2	2,43
Opening (net) surface	m^2	2,22
Absorber surface	m^2	2,20
Connections	mm	3/4" M
Empty weight	kg	44
Fluid content	ℓ	1,27
Stagnation temperature (*)	°C	194
Max operating pressure	bar	10
Test pressure (**)	bar	20
Q_{COL} (***)	kWh	990

Thread: G (ISO 228-1)
(*) Referred at I=1000 W/m^2 and 30 °C
(**) 100% of production
(***) Heat energy produced annually, related to the Würzburg locality and to an average operating temperature of Tm equal to 50 ° C

Diagram of efficiency

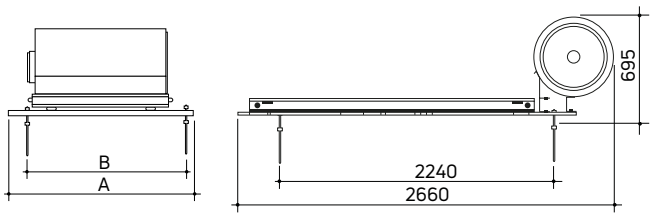


$\eta 0_a$ = 0,754
$a1_a$ = 4,255
$a2_a$ = 0,0027
tm = Fluid average temperature (°C)
ta = Ambient temperature (°C)
I = Global radiation (W/m^2)
$K\theta$ (50°) = 0,94
Heat capacity = 9,21 kJ/K

Note: values for normal incidence I=1000 W/m^2 and referred to the net surface.

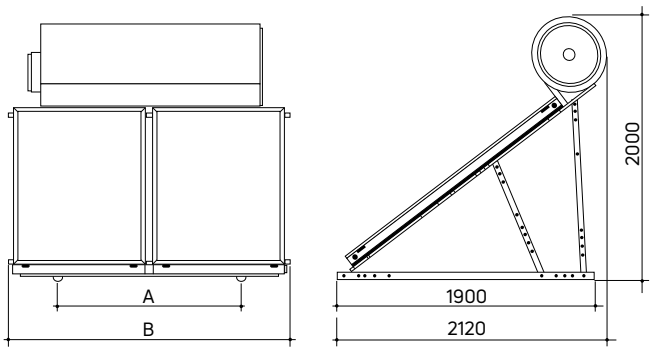
NVSN natural circulation solar kit

Parallel roof mounting



Model	NVSN1S 150	NVSN1S 200	NVSN2S 200	NVSN2S 280
A [mm]	1400	1400	1400	2000
B [mm]	1040-1300	1040-1300	1040-1300	1700-1900

Installation on flat roof

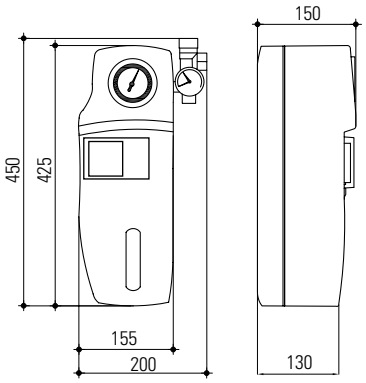


Model	NVSN1S 150	NVSN1S 200	NVSN2S 200	NVSN2S 280
A [mm]	745	980	980	1420
B [mm]	1090	1090	2230	2230

Accessorieses for solar systems - Solar stations

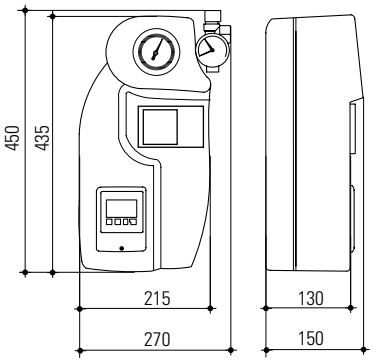
GSN1V 38 NP

Solar station



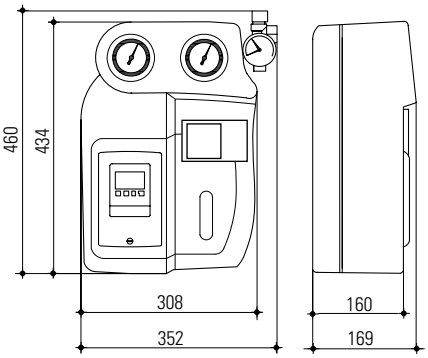
SS1V 12 NP

One-way solar station



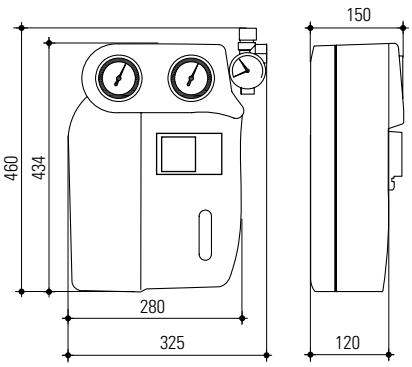
SSX 12-38 NP e SSC 40 NP

Solar station



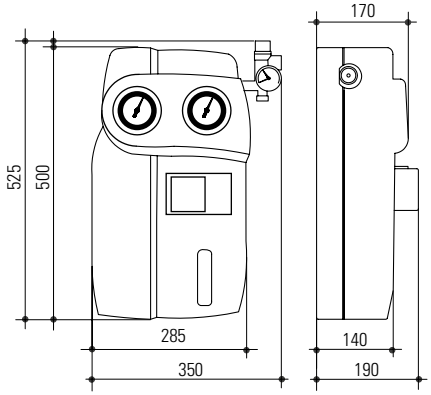
GSN 12-38 NP

Circulation solar unit

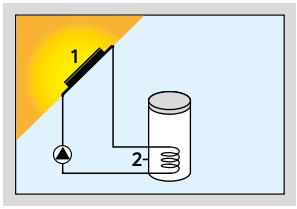
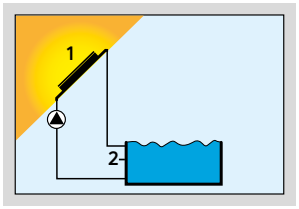
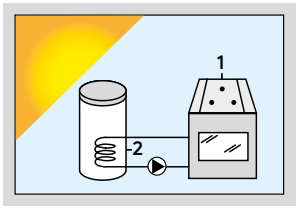
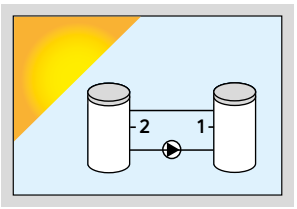
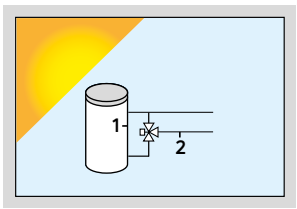
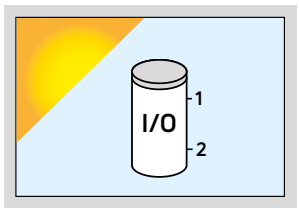


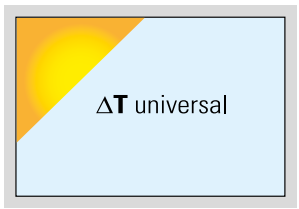
GSA 42-70 N

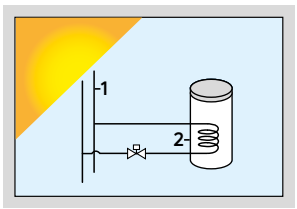
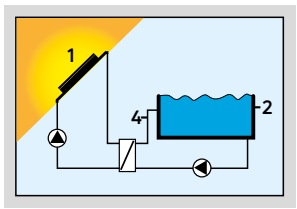
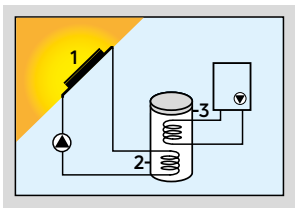
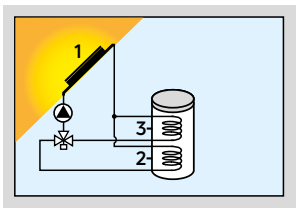
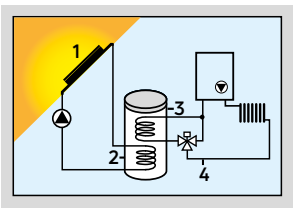
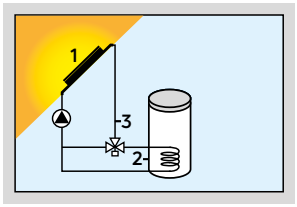
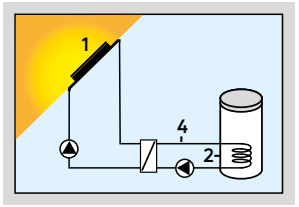
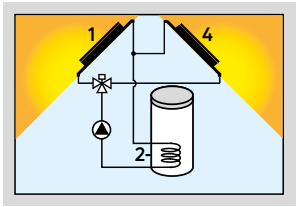
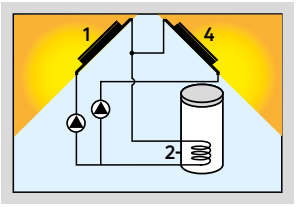
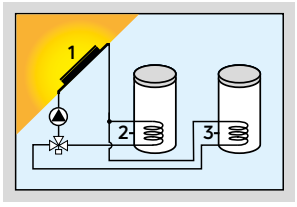
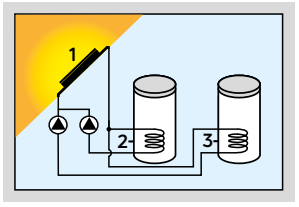
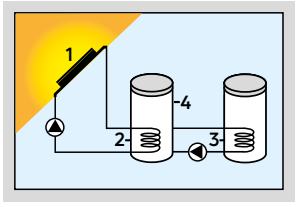
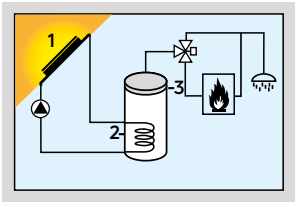
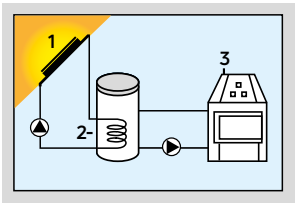
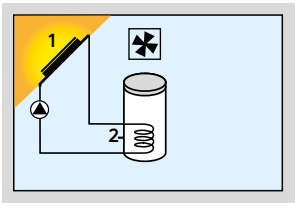
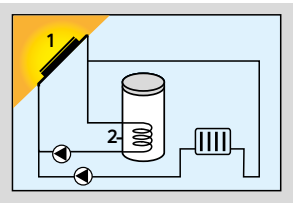
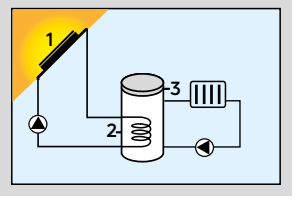
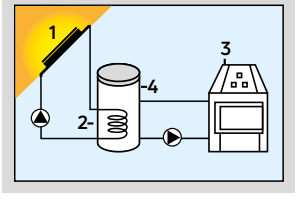
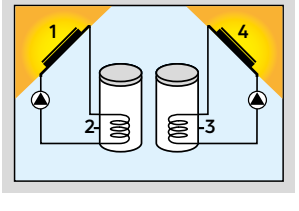
Solar unit for high flow rate circulation



Hydraulic variants with EMCS 2015 differential temperature regulator and SSX12 NP and SSX38 NP solar station

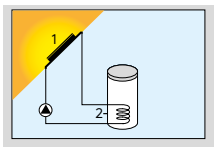
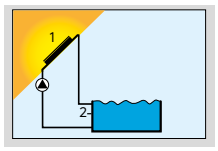
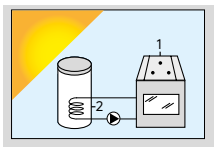
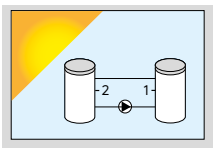
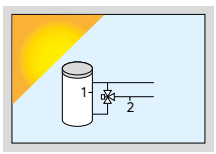
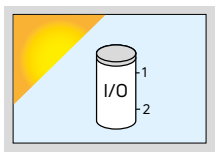









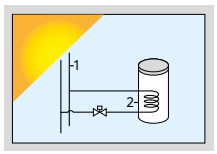
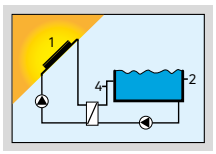
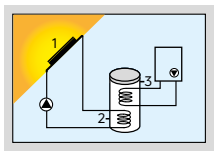
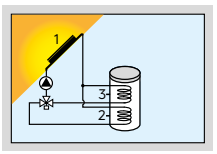
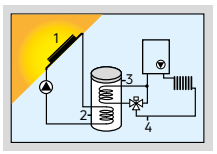
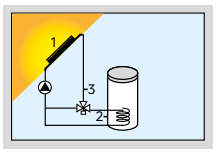
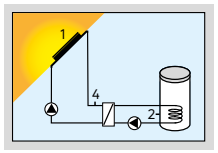
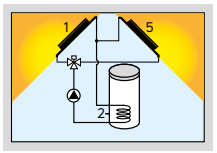
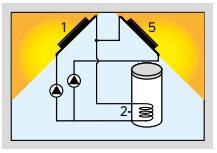
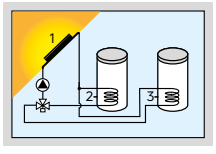
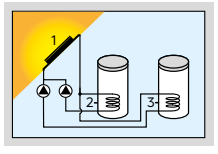
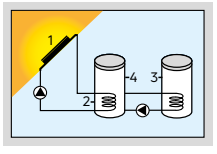
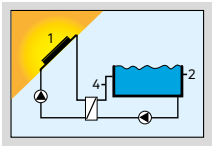
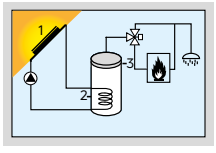
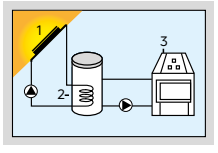
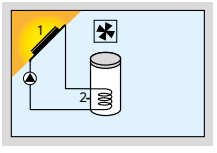
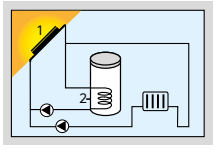
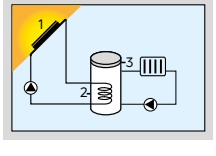
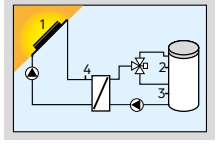
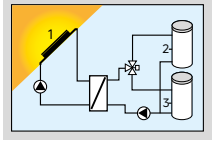
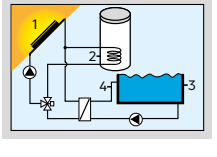
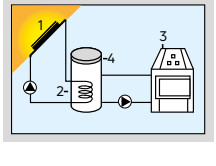
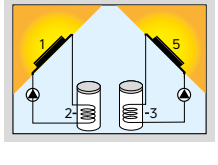
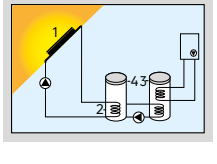
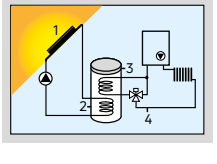
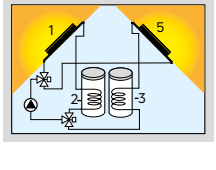
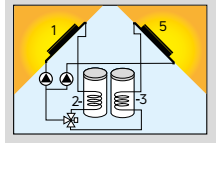
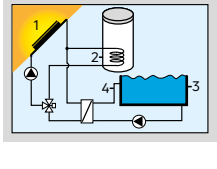
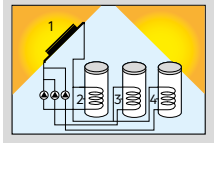
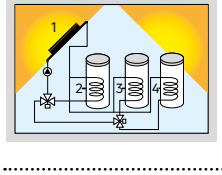






















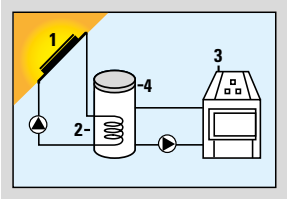

Basic hydraulic variants with ELCS 2016 differential temperature controller and SSC40 NP solar station

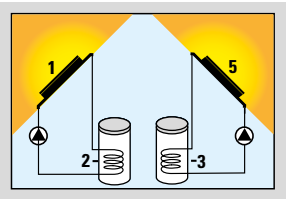







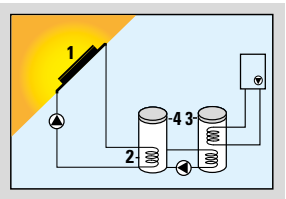


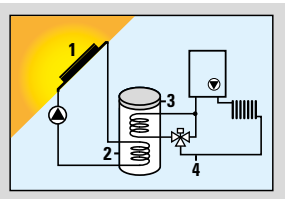































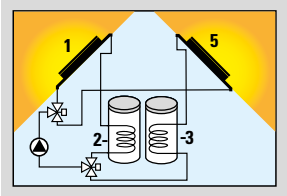
Basic hydraulic variants with ELCS 2016 differential temperature controller and SSC40 NP solar station

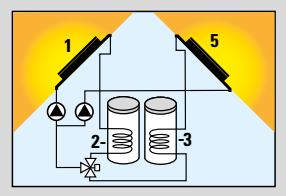


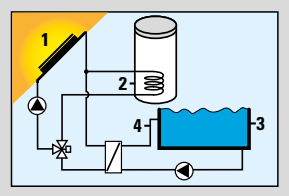


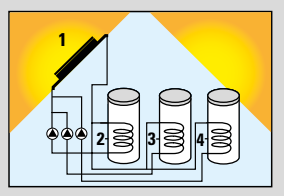


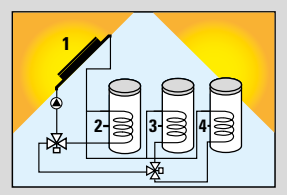




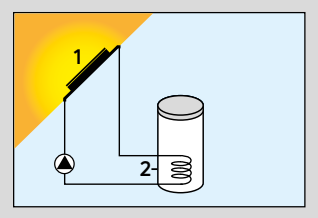




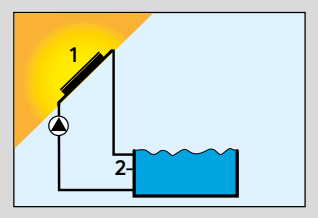




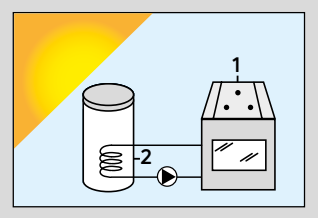
Hydraulic variants STDC 2015 solar controller and SS1V 12 NP one-way solar station



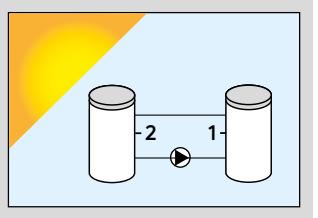
1 Solar with storage



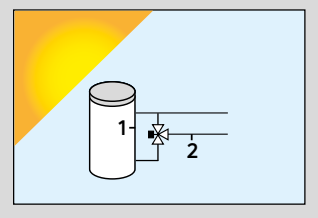
2 Solar with swimming pool



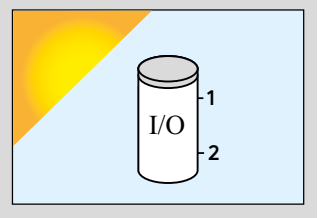
3 Wood boiler with accumulation



4 Transfer



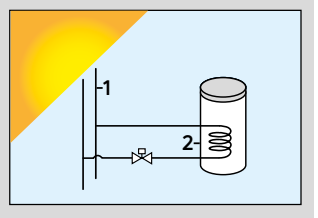
5 Return raising



6 Thermostat



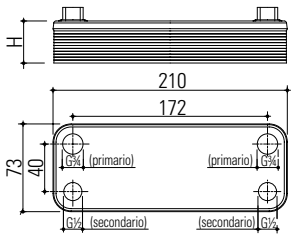
7 ΔT Universal



8 Valve

Plate heat exchangers

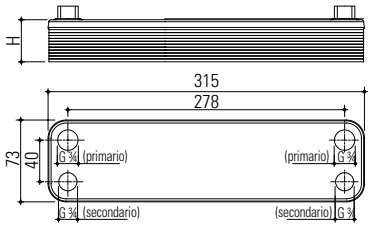
Model SPES 210



Technical data	u.m.	10	12	14	16	20	24	30	34	40
Nominal number of plates	N°	10	12	14	16	20	24	30	34	40
Exchange area	m^2	0,112	0,140	0,168	0,196	0,252	0,308	0,392	0,448	0,532
Exchange coefficient KA	W/K	800	1000	1200	1400	1800	2200	2800	3200	3800
Kv (primary=primary) (*)	m^3/h / $(bar)^{0,5}$	2,1	2,6	3,1	3,5	4,3	4,9	5,7	6,1	6,5
Kv (primary=secondary) (*)	m^3/h / $(bar)^{0,5}$	2,5	2,9	3,3	3,6	4,2	4,6	5,1	5,3	5,5
Height H	mm	27	31	36	41	50	60	72	82	95
Weight	g	760	850	940	1040	1220	1400	1680	1860	2140

(*) water temperature = 15 °C

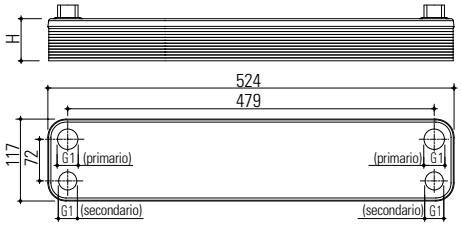
Model SPES 315



Technical data	u.m.	20	24	30	34	40
Nominal number of plates	N°	20	24	30	34	40
Exchange area	m^2	0,414	0,506	0,644	0,736	0,874
Exchange coefficient KA	W/K	2790	3410	4340	4960	5890
Kv (primary=primary) (*)	m^3/h / $(bar)^{0,5}$	3,1	3,7	4,4	4,8	5,4
Kv (primary=secondary) (*)	m^3/h / $(bar)^{0,5}$	3,4	3,9	4,6	5,0	5,5
Height H	mm	50	60	72	82	95
Weight	g	1890	2190	2640	2940	3390

(*) water temperature = 15 °C

Model SPES 524

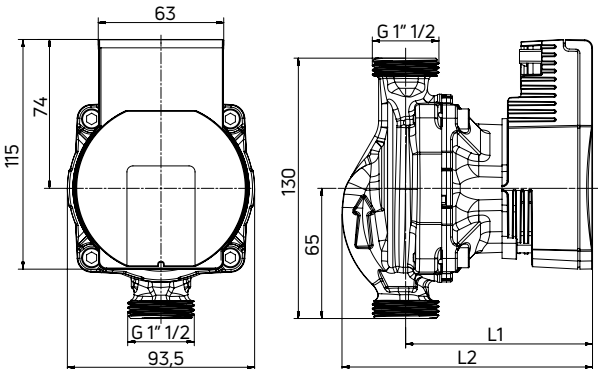


Technical data	u.m.	20	30	40	50	60	80
Nominal number of plates	N°	20	30	40	50	60	80
Exchange area	m^2	1,13	1,76	2,39	3,02	3,65	4,91
Exchange coefficient KA	W/K	8550	13300	18050	22800	27550	37050
Kv (primary=primary) (*)	m^3/h / $(bar)^{0,5}$	3,0	4,5	5,8	6,8	7,7	8,9
Kv (primary=secondary) (*)	m^3/h / $(bar)^{0,5}$	3,4	4,8	6,0	7,0	7,8	9,0
Height H	mm	55	82	107	131	155	204
Weight	g	4640	6410	8190	9960	11740	15290

(*) water temperature = 15 °C

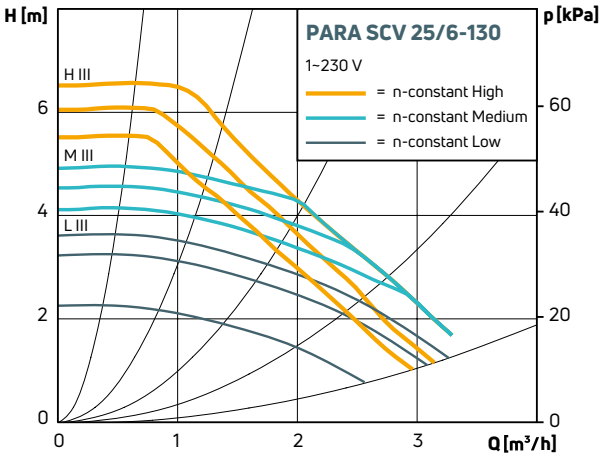
PARA SCV - Circulating pumps for heating

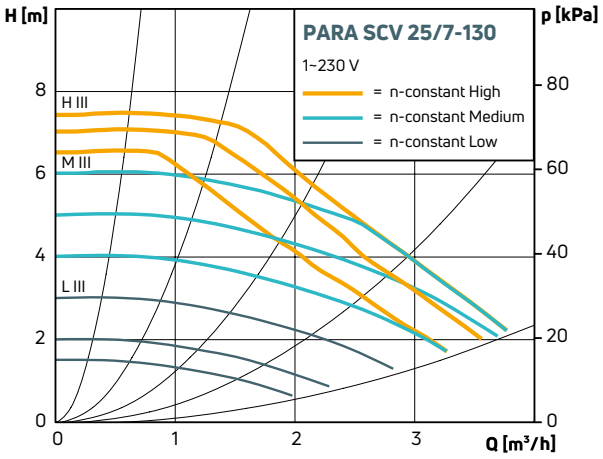
Dimensional data



	PARA SCV 25/6-130	PARA SCV 25/7-130
L1	94 mm	105 mm
L2	127 mm	138 mm
Net weight approx.	1,7 kg	1,8 kg

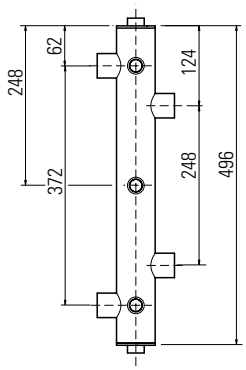
Hydraulic performance diagrams





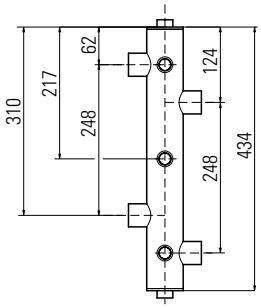
Open manifolds

Version 2" and 3" 2+2+5 ways



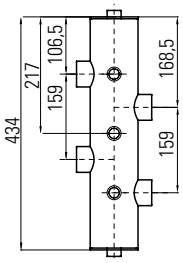
2" model volume: 1.22 litres
3" model volume: 2.70 litres

3" 2+2+5-way S version



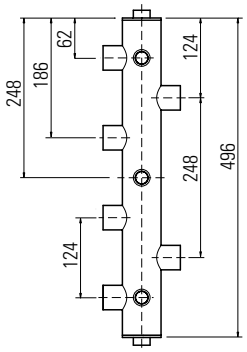
Volume: 2.37 litres

3" 2+2+5 S version
center distance Firstbox



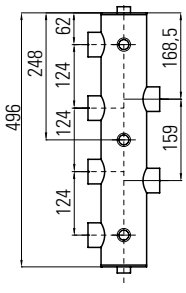
Volume: 2,37 litres

3" 4+2+5-way version



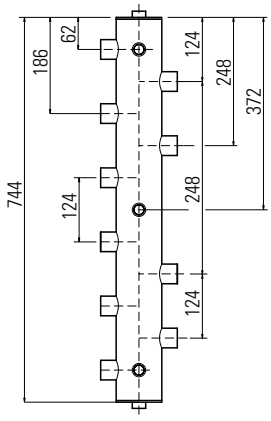
Volume: 2,70 litres

3" 4+2+5 Firstbox center distance version



Volume: 2,75 litres

3" 6+4+5-way version



Volume: 4,10 litres

Side connections: G 1 1/4 Female in the "Interaxis for Firstbox" models, G 1 Female in all the other models
Service connections: G 1/2 Female in all models

Chemical resistance table

LEGEND

- E Excellent
- B Good
- M Mediocre
- S Not recommended
- – Not experienced

	BRASS	P.T.F.E.	N.B.R.	INOX 316	NYLON
Ethyl chloride	B	E	E	E	B
Ferric chloride	S	E	E	S	–
Ferrous chloride	S	E	E	S	–
Magnesium chloride	S	E	E	B	E
Methil chloride	B	E	M	B	M
Nickel chloride	M	E	E	B	–
Potassium chloride	M	E	E	B	E
Copper chloride	S	E	E	B	S
Sodium chloride	M	E	E	B	E
Zinc chloride	S	E	E	B	B
Dicloroethan	–	E	M	B	–
Phenol	–	E	B	B	B
Aluminium fluoride	–	E	E	M	–
Sodium fluoride	–	E	–	B	–
Formaldehyde	M	E	E	M	–
Methil formate	–	E	M	B	–
Ammonium phosphate	–	E	E	B	–
Sodium phosphate	M	E	E	B	–
Freon 11-12-21-22-TE	E	E	B	E	E
Furfural	E	E	S	B	–
Methane	E	E	E	E	E
Gelatine	B	E	E	E	–
Glycerine	E	E	E	E	B
Clycol ethylene	B	E	B	E	E
Glucose	E	E	E	B	–
Sodium hydrate	B	E	E	E	–
Hydrocarbons	E	E	E	E	E
Hydrogen dry	E	E	–	–	S
Hydrogen wet	M	E	–	–	S
Ammonium hydroxode	S	E	E	E	–
Barium hydroxide	B	E	E	B	–
Calcium hydroxide	B	E	E	B	–
Magnesium hydroxide	B	E	E	E	–
Potassium hydroxide	M	E	E	E	–
Sodium hydroxide	M	E	E	E	–
Iodoform	–	E	–	E	–
Potassium ioside	–	E	E	B	–
Ipoclorato of sodio	M	E	M	M	–
Calcium hypochlorite	S	E	E	M	S
Hypoclorite sodium	S	E	E	M	B
Hyposulphite sodium	M	E	E	B	–
Iso-octane	–	E	E	E	–
Milk	B	E	E	E	E
Molasses	B	E	E	E	–
Mercury	S	E	E	M	E
Natural gas	E	E	E	B	E
Sodium metalsilicate	–	E	E	E	–
Ammonium monosphosphate	–	E	E	E	–
Naphta	B	E	E	B	E
Naphtalene	–	E	–	B	E
Ammonium nitrate	S	E	E	B	–
Silver nitrate	S	E	E	B	E
Nickel nitrate	–	E	E	B	–
Copper nitrate	M	E	E	E	–
Sodium nitrate	M	E	E	B	E

LEGEND

- E Excellent
- B Good
- M Mediocre
- S Not recommended
- – Not experienced

	BRASS	P.T.F.E.	N.B.R.	INOX 316	NYLON
Nitrobenzene	–	E	S	B	B
Oleum	–	E	S	B	S
Fuel oil	E	E	E	E	–
Coconut oil	–	E	E	B	E
Creosote oil	E	E	S	B	E
Flax oil	B	E	E	B	E
Fish oil	–	E	E	E	E
Pine oil	–	E	E	E	E
Castor oil	M	E	E	E	E
Cottonseed oil	E	E	E	B	E
Soybean oil	–	E	E	E	E
Mineral oil	E	E	E	E	E
Ethilene oxide	E	E	S	B	–
Magnesium oxide	–	E	E	B	–
Oxigen	E	E	E	E	E
Paraffin	E	E	E	E	–
Paraformaldehyde	–	E	B	B	–
Pentane	–	E	E	E	–
Sodium perborate	–	E	E	B	–
Propane	E	E	E	B	–
Brine	B	E	E	B	–
Mercury salts	S	E	E	S	–
Soap	B	E	E	B	E
Sodium silicate	B	E	E	B	–
Caustic soda	M	E	E	B	B
Aluminium sulphate	M	E	E	B	E
Ammonium sulphate	S	E	E	B	–
Barium sulphate	E	E	E	B	E
Calcium sulphate	E	E	E	B	–
Magnesium sulphate	M	E	E	B	–
Nickel sulphate	M	E	E	B	–
Potassium sulphate	B	E	E	B	–
Copper sulphate	S	E	E	B	E
Sodium sulphate	B	E	E	B	E
Zinc sulphate	S	E	E	B	–
Ferric sulphate	S	E	E	E	–
Ferrous sulphate	S	E	E	B	–
Sodium sulphate	B	E	E	B	–
Barium sulphide	B	E	E	–	B
Carbon sulphide	E	E	S	B	E
Sodium sulphide	B	E	E	B	–
Paint solvents	E	E	M	E	–
Styrene	–	E	B	E	–
Fruit Juices	S	E	E	E	–
Carbon tetrachloride	M	E	S	M	E
Sodium tiosulphate	M	E	E	E	–
Toluene-Toluol	E	E	M	E	E
Turpentine	B	E	S	E	–
Trichloro ethylene dry	E	E	M	B	B
Trichloro ethylene wet	M	E	M	–	B
Ammonium phosphate tribask	–	E	E	E	–
Steam	M	E	–	E	–
Paint	E	E	E	E	–
Xilene dry	–	E	S	E	–
Sulphur	S	E	S	B	E

Note: the information in the tables is indicative. To be sure of the functionality of the materials of the listed products, it is necessary to investigate the real conditions of use concentration, pressure, temperature and any dynamic shocks. The data was taken from the material manufacturers' tables.

General conditions of sales

1 From the moment this proposal is accepted it shall be considered a contract sale valid for all legal purposes.
The proposal is considered automatically accepted the instant the purchaser receives the first delivery of material.

2 Export Market: orders for a minimum amount of 2.500,00 euro can be accepted. Orders for less amounts might be fulfilled at the seller's discretion.

3 The prices agreed upon are the same as those in the seller's price lists and only include the packaging expenses based on company standard and expenses relative to the technical documentation enclosed with the products sold.
The seller reserves the right, within the period of time elapsing between the signature of the order and the first delivery, to alter the list prices should any unexpected events occur to make it necessary.
Such alterations in prices are considered automatically accepted by the purchaser unless he declares otherwise in writing.

4 Exclusively for supplies related to photovoltaic products, the purchaser must pay, upon order confirmation, an amount that is equal to 30% of the entire order value (VAT and transport included), as a **"commitment deposit pursuant to and for the effects of art. 1385 of the civil code"**, whereas the balance must be paid upon the shipment of the goods.

5 Failure to pay the agreed amounts within the terms established will lead to the charging of interest on arrears at a rate of 0,7% a month plus banking charges.

6 The purchaser may not make any exceptions to delay payment.

7 Shipments shall be debited completely to the purchaser and the goods are considered sold ex seller's works.
Also, by way of signing this deed and unless otherwise agreed upon, the purchaser entrusts the seller to negotiate on his behalf and completely independently, transportation and other accessory services and the procedures for their implementation, including the drawing up of an insurance contract for the goods shipped. In such a case, the expenses relative to shipping, to the other accessories services and to the insurance will be charged to the purchaser separately as a percentage of the value of the supply.
The purchaser is hereby notified that if he is unable to check the goods at the time of delivery he must accept the goods with the reserve to check and report any defects to the carrier within 8 days from the date of delivery.
In addition, the purchaser may collect the goods with his own means from the seller's factory.

8 The material travels at the risk and peril of the purchaser and, if shipping is seen to by the seller, the purchaser must make any complaints directly to the carrier.
The documentation necessary to receive insurance payment must be sent promptly to the company.

9 The delivery terms of each single order must be compatible with the availability of the goods at the seller's factory and will be agreed at the time of the order.
However, such terms are not binding and may be, at the seller's discretion.
The purchaser has the right to ask, in writing, for the order to be cancelled in which case, however, he has no right to request damages of any kind.
Furthermore, the seller reserves the right to supply products which are different from those in the order but which have the same performance should warehouse or manufacturing requirements make this necessary.
Guarantees on faults and defects remain unchanged.

10 The products sold are guaranteed free from manufacturing defects for the term of 24 months from shipping (unless agreed otherwise in relation to the type of product).
The guarantee is limited to replacing a product found to be faulty.
The seller declines all liability in the case of an incorrect installation or improper use of the products sold.

11 Any defects found in the material, both relevant to faults covered by the guarantee, as per point Nr. 10, or any other hypothesis, must be reported to the seller in the accordance with the law terms.

12 All products are intended sold with reserve of proprietorship and become property of the buyer only after the whole price has been paid.
Acceptance of payment by way of bills or other means does not change this agreement provided such bills are considered received "prosolvendo" (without recourse) and not "pro soluto" (with recourse).

13 Any particular and general exceptions to these conditions shall be agreed upon between the parties in writing.

14 The seller reserves the right to accept returned goods in the case of products acknowledged as faulty and covered by the guarantee. The conditions for such returns are free consignee.

15 In the case of continuous supplies, the seller may stop such supplies if the purchaser is in breach of only one of the particular or general conditions agreed upon. In such an event, any agreements reached for attributing premiums or for the attainment of objectives will no longer be valid.

16 The price indicated refers to the single article (piece) if not otherwise specified. When the article is a kit made of various components, even identical, the price refers to the complete kit.
In the case of insulation, the price refers to the entire (complete) package. In the case of piping, whether in coil or in bar, naked or insulated, the price refers to one meter of pipe.

17 The images of the products shown in this catalog and price list are indicative.

18 All judicial disputes, with no exception, will be settled by the Pordenone Court of Law.

The purchaser declares to have read the aforesaid general conditions and to have fully accepted them.
He also declares to have received a copy of them and to have read the information regarding personal data, which is also available on the Emmeti S.p.a website.

THE PURCHASER

_____ place and date _____

Pursuant to articles 1341 and 1342 of the civil code, the purchaser declares after careful reading to accept the contract clauses specified in point 1 Contract purpose, 2 Amount of foreign orders, 3 Prices, 4 Commitment deposit, 5 Interest on arrears, 6 Prohibition of exceptions, 7 Transport method-conditional acceptance, 8 Transport risks, 9 Delivery terms, 10 Warranty for faults and defects, 11 Defect reporting terms, 12 Lien, 13 Written changes, 14 Good returns, 15 Continuous supply, 16 Price specifications, 17 Court of jurisdiction.
Confirms to have received a copy of these conditions, authorising the use of personal data pursuant to Leg. Decree 196/03.

THE PURCHASER

_____ place and date _____

DECLARATION ACCORDING TO THE REACH REGULATION N. 1907/2006

Emmeti Spa, aware of its obligations deriving from Regulation (EC) no. 1907/2006 REACH as a downstream user, warns that lead has been included in the SVHC substance list, on 27.06.2018, as follows:

Substance name	Number of CAS	Number of EC	Date of registration	Decision
Piombo	7439-92-1	231-100-4	27.06.2018	ED/61/2018

The latest version of the Candidate List is available on the ECHA (European Chemicals Agency) website:

https://echa.europa.eu/home

Emmeti informs, as required by art. 33 of the REACH Regulation, which in the products of this catalog, containing brass, lead may be present in a concentration higher than 0.1% (w / w), depending on the type of brass alloy used.

The inclusion of lead in the SVHC list does not imply new ways of using Emmeti products for their safe use, if used in the manner provided by the related product documentation.

Emmeti undertakes, based on the information that its suppliers of components and finished products will communicate to the company, to keep customers updated on the possible use in their products of substances, which are currently not included in the SVHC list but which could be in future revisions. The information may be included directly in the product information sheets.

DECLARATION OF CONFORMITY RoHS

Emmeti SpA, aware of its obligations deriving from directive (EC) no. 2011/65 RoHS II (and subsequent amendments and additions), declares that the products in this catalog comply with the requirements of the aforementioned European directive on the restriction of the use of certain dangerous substances in electrical and electronic equipment.

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