

Heating, ventilation & air conditioning

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What's new!

Regulation device



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Connected aquastats



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High efficiency decentralised dual flow air fan unit



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Hydraulic & transfer units



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& 404

Mixing water tanks for heat pumps



p. 405

Hot water air heater with EC or AC motor



p. 410

Centrifugal air extract unit



p. 415



Thermostatic radiator valves



■ Control head

Acc. to EN 215 - Built-in sensor with liquid-filled element - Connection M30 x 1,5.



Thermostatic control head

pack	code
1/126	TTH

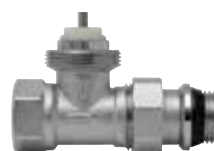
■ Female radiator valves

Chrome-plated - With internal o-ring & external gasket.



Angle type

Ø	pack	code
3/8"	15/90	RTH12E
1/2"	6/48	RTH15E



Straight type

Ø	pack	code
3/8"	15/120	RTH12D
1/2"	6/48	RTH15D



Reverse type

Ø	pack	code
3/8"	9/72	RTH12EI
1/2"	9/72	RTH15EI

■ Female lockshield valves

Chrome-plated - With internal o-ring & external gasket.



Angle type

Ø	pack	code
3/8"	20	CR12CH
1/2"	15	CR15CH



Straight type

Ø	pack	code
3/8"	20	TR12CH
1/2"	15	TR15CH



Manual radiator valves

Nickel-plated brass CW617N body - Internal o-ring - Max. temperature: +110°C - Max. pressure: 10 bar.

■ Female radiator valves

Angle type

Ø	pack	code
1/2"	12/144	RRI15E



■ Female lockshield valves

Angle type

Ø	pack	code
1/2"	12/156	CRI15



Straight type

Ø	pack	code
1/2"	12/156	TRI15

■ Male radiator valves

Angle type

Ø	pack	code
1/2"	12/96	RRI15EM



■ Male lockshield valves

Angle type

Ø	pack	code
1/2"	12/156	CRI15M

Straight type

Ø	pack	code
1/2"	12/96	RRI15DM



Straight type

Ø	pack	code
1/2"	12/156	TRI15M



Thermostatic radiator valves

■ Control head



Acc. to EN215 - Built-in sensor with oil-filled element - Adjustable temperature range: +5°C/+28°C - Antifreeze position set: +5°C - Locking temperature setting - Connection M30x1,5 - Class A energy saving.



Thermostatic control head

pack	code
1/120	TTI

Nickel-plated brass CW617N body - Internal o-ring & external gasket - Max. temperature: +110°C - Max. pressure: 10 bar - Max. glycol: 30%.

■ Female radiator valves

Angle type



Ø	pack	code
1/2"	4/96	RRTI15E

■ Female lockshield valves

Angle type



Ø	pack	code
1/2"	12/156	CRTI15

Straight type



Ø	pack	code
1/2"	4/96	RRTI15D

Straight type



Ø	pack	code
1/2"	12/132	TRTI15

Nickel-plated brass CW617N body - Internal o-ring & external gasket - Max. temperature: +110°C - Max. pressure: 10 bar - Max. glycol: 30%.

■ Male radiator valves

Angle type



Ø	pack	code
1/2"	4/96	RRTI15EM

■ Male lockshield valves

Angle type



Ø	pack	code
1/2"	12/192	CRTI15M

Straight type



Ø	pack	code
1/2"	4/96	RRTI15DM

Straight type



Ø	pack	code
1/2"	12/156	TRTI15M

Fittings for radiator valve

Fitting 1/2" for multilayer pipes



Ø	pack	code
1/2" - M 16x2,0	10/500	MCI1516X2

Fitting 1/2" for copper pipes



Ø	pack	code
1/2"x15	50/600	CUI1515

Radiator air vents & drain cocks

For carbon steel radiators.

Angle type air vent



Ø	packaging	pack	code
1/2"	blister of 10	50/200	BP15
1/2"	bulk	100/500	BP15V

Plain cap



Ø	packaging	pack	code
1/2"	blister of 10	50/200	BPL15
1/2"	bulk	100/500	BPL15V

Reduction nipple



Ø	packaging	pack	code
1/2" - 3/8"	blister of 10	50/200	R1512
1/2" - 3/8"	bulk	100/500	R1512V
1/2" - 1/8"	blister of 10	50/200	R1505
1/2" - 1/8"	bulk	100/500	R1505V

Mini drain cock with adjustable outlet



Ø	packaging	pack	code
1/2"	blister of 10	50/200	RV15
1/2"	bulk	100/500	RV15V

Mini drain cock with o-ring



Ø	packaging	pack	code
3/8"	blister of 10	50/200	RV12
3/8"	bulk	50	RV12V

Automatic hygroscopic air vent



horizontal mounting

Ø	pack	code
1/8"	25	PD05
1/4"	25	PD08
3/8"	25	PD12
1/2"	25	PD15

Wheel air vent



Ø	packaging	pack	code
1/8"	blister of 10	50/200	PV05C
1/8"	bulk	100	PV05CV

Wheel air vent with adjustable outlet



Ø	packaging	pack	code
1/8"	blister of 10	50/200	PV05B
1/8"	bulk	50	PV05BV
1/4"	blister of 10	50/200	PV08B
1/4"	bulk	50/200	PV08BV

Hostaform wheel air vent

Rubber seat & PTFE ring



Ø	packaging	pack	code
1/8"	bulk	50	PV05L

Square driving air vent



Ø	packaging	pack	code
1/8"	blister of 10	50/200	PC05C
1/8"	bulk	100	PC05CV

Key for square driving air vent



	pack	code
4 mm	10	ZCLE4
5 mm	10	ZCLE5

Drain cock ball valve



Ø	pack	code
1/2"	150	RVC15T

For iron radiators - Includes: 4 threaded caps F1/2", 1 plain cap M1/2", 1 air vent with adjustable outlet M1/2", 1 key for square driving air vent.

Cap & air vent set



Ø	code
1"	KRUR26
1 1/4"	KRUR33

Electric sets for towel heater

When the boiler is off, the device offers the requested temperature & dries the towels - Includes: heating cartridge, tee, control panel, o-rings & key.

Digital

Temperature setting: +5 to +30°C - 1 or 2 h boost mode.

power (W)	white code	grey code
300	KM0300DB	KM0300DG
500	KM0500DB	KM0500DG
750	KM0750DB	KM0750DG
1000	KM1000DB	KM1000DG
1250	KM1250DB	KM1250DG

Analogue

Temperature setting: +7 to +30°C. 2 h boost mode - 6 order pilot wire.

power (W)	code
300	KM0300AB
500	KM0500AB
750	KM0750AB
1000	KM1000AB
1250	KM1250AB



Hydraulic towel heaters

Acc. to EN 442-1 - White RAL 9016 - Support set & drain cock included - Max. temperature: +110°C - ⚠ Do not use any electric resistor with a power (W) higher than the one mentioned in the chart - power $\Delta t = 50^\circ\text{C}$ (W).



Mahana

Laquered carbon steel 22 mm diameter vertical radiant bodies - 30 x 40 mm horizontal manifolds - Connections 2 x 1/2" F & 1 x 1/2" for drain cock - Max. pressure: 8 bar.

height (mm)	width (mm)	center distance (mm)		weight (kg)	volume (l)	power $\Delta t = 50^\circ\text{C}$ (W)	straight code	curved code
700	500	450	444	4,1	2,9	301	MAH500700D	MAH500700G
1238	500	450	444	7,1	5,0	514	MAH5001238D	MAH5001238G
1238	600	550	546	7,9	5,7	598	MAH6001238D	MAH6001238G
1496	500	450	444	8,5	6,0	631	MAH5001496D	MAH5001496G
1496	600	550	546	9,5	6,8	728	MAH6001496D	MAH6001496G
1775	600	550	546	11,2	8,0	858	MAH6001775D	MAH6001775G
1775	750	700	695	13,9	9,0	1027	MAH7501775D	MAH7501775G

height (mm)	width (mm)	center distance (mm)	weight (kg)	volume (l)	power $\Delta t = 50^\circ\text{C}$ (W)	chromed straight code
700	500	450	4,1	2,9	202	MAH500700DCH
1238	500	450	7,1	6	342	MAH5001238DCH
1238	600	550	7,9	5,7	396	MAH6001238DCH
1496	500	450	8,5	6	418	MAH5001496DCH
1496	600	550	9,5	6,8	483	MAH6001496DCH
1775	500	450	10	7,1	509	MAH5001775DCH
1775	600	550	11,2	8	584	MAH6001775DCH

height (mm)	width (mm)	center distance (mm)	weight (kg)	volume (l)	power $\Delta t = 50^\circ\text{C}$ (W)	straight central code
700	500	50	4,1	2,9	301	MAH500700DC
1238	500	50	7,1	5	514	MAH5001238DC
1238	600	50	7,9	5,7	598	MAH6001238DC
1496	500	50	8,5	6	631	MAH5001496DC
1496	600	50	9,5	6,8	728	MAH6001496DC
1775	600	50	11,2	8	858	MAH6001775DC
1775	750	50	13,8	9	1027	MAH7501775DC

Black color on request



Hita

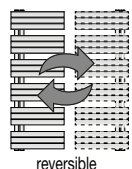
Laquered carbon steel 38 mm diameter vertical radiant bodies - 50 x 10 mm horizontal manifolds - Connections 2 x 1/2" F & 1 x 1/2" for drain cock - Max. pressure: 5 bar.

height (mm)	width (mm)	center distance (mm)	weight (kg)	volume (l)	power $\Delta t = 50^\circ\text{C}$ (W)	code
930	400	370	8,8	3,8	396	HIT400930
930	500	470	10,4	4,35	477	HIT500930
930	600	570	12	4,90	558	HIT600930
1290	400	370	12,3	5	536	HIT4001290
1290	500	470	14,5	5,75	653	HIT5001290
1290	600	570	16,7	6,50	770	HIT6001290
1640	400	370	15	6,40	673	HIT4001640
1640	500	470	17,8	7,35	812	HIT5001640
1640	600	570	20,5	8,30	952	HIT6001640

Wela

Laquered carbon steel 38 mm diameter vertical radiant bodies - 50 x 10 mm horizontal manifolds - Connections 4 x 1/2" F - Max. pressure: 5 bar.

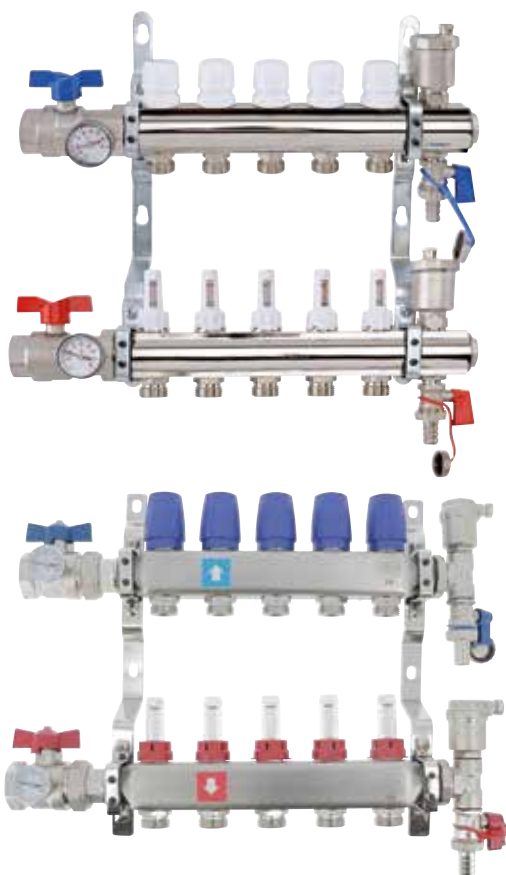
height (mm)	width (mm)	center distance (mm)	weight (kg)	volume (l)	power $\Delta t = 50^\circ\text{C}$ (W)	code
976	550	50	11,5	4,3	461	WEL550976
1421	550	50	16,4	6,2	656	WEL5501424
1869	550	50	21,4	8,1	860	WEL5501869



reversible

Distribution manifolds

For electrothermic heads - Water & glycol: max. 30% glycol - Connection 1" F - Outlets Eurocone 3/4" - Center distance 50 mm - Supplied with 2 brass ball valves 1" with thermometer & fitting, 2 drain cock ball valves, 2 automatic air vents with check valve, 2 wall supports.



Brass complete set

Max. pressure: 6 bar - TS: +5°C/+65°C.

outlets	dimension (mm)	code
2	270	COLSTC2
3	320	COLSTC3
4	370	COLSTC4
5	420	COLSTC5
6	470	COLSTC6
7	520	COLSTC7
8	570	COLSTC8
9	620	COLSTC9
10	670	COLSTC10

Stainless steel complete set

Max. pressure: 6 bar - TS: +5°C/+80°C.

outlets	dimension (mm)	code
2	256	COLD2
3	306	COLD3
4	356	COLD4
5	406	COLD5
6	456	COLD6
7	506	COLD7
8	556	COLD8
9	606	COLD9
10	656	COLD10
11	706	COLD11
12	756	COLD12

Accessories for distribution manifolds



Flowmeter

code
DEBSTC



Wall support (sold by 2)

code
SUPSTC



Thermometer

code
THESTC



Thermometer

(sold by multiple of 10)

code
THDERH



Air vent

code
PURSTC



Drain cock ball valve

1/2" inlet & 3/4" outlet

code
Red ROBSTCR
Blue ROBSTCB



Electrothermic head

No tension, normally closed - 1 m wire - 230V - 1,2W - Position indicator - M30 x 1,5.

code
TETPB



Thermostatic shut-off valve

code
ROBTHSTC



Housing

Adjustable depth 110 mm to 140 mm.

dimension (mm)	outlets	code
500 x 400	2 to 3	COF3
500 x 600	4 to 6	COF6
500 x 800	7 to 9	COF9
500 x 1000	10 to 12	COF12

Fittings for distribution manifolds

Eurocone connection.

Fitting for multilayer pipes



Ø	pack	code
3/4" - 16x2	20/300	MCEUR341620I
3/4" - 20x2	20/300	MCEUR342020I

Fitting for plastic (PEX) pipes



Ø	pack	code
3/4" - 16x1,5	25/200	PEUR341615I
3/4" - 16x2	20/300	PEUR341620I

Accessories for heating floor slabs



Slab heating cutter

code
THE

Spare blade

code
LAM



Mechanical staple

For AGR400, AGR500, AG40PLUS & AG55PLUS

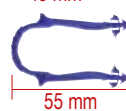
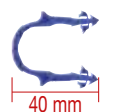
code
AGRAF



Jumpers (sold by box of 500)

50 mm

code
CAV



High performance thermic staples
(sold by box of 300)

pack	code
20 boxes	AG40PLUS
10 boxes	AG55PLUS



Staples

For 13x16 & 16x20 pipes (sold by box of 300)

pack	code
20 boxes	AGR400
10 boxes	AGR550

Peripheral insulations



Standard (sold by roll)

50 m x 120 mm - 8 mm thick
50 m x 180 mm - 8 mm thick

pack	code
10 rolls	ISOST
6 rolls	ISOST2

50 m x 150 mm - 5 mm thick

pack	code
8 rolls	ISOSTM



With wiper (sold by roll)

50 m x 120 mm - 8 mm thick
25 m x 180 mm - 8 mm thick

pack	code
8 rolls	ISOFB
4 rolls	ISOFB2



Self-adhesive with wiper (sold by roll)

50 m x 150 mm - 8 mm thick

pack	code
4 rolls	ISOFA



With adhesive wiper for sleek tile (sold by roll)

50 m x 150 mm - 8 mm thick

pack	code
8 rolls	ISOFA



Cutting pliers (for pipes up to Ø 32)

Blister

code
PINCOU



Blister

Box of 10

code
PINCT
PINCT10



Test pump (max. pressure: 50 bar)

code
POMEPR



Bending springs (for plastic pipes)

10 x 12 mm
13 x 16 mm
16 x 20 mm
20 x 25 mm

code
RES12
RES16
RES20
RES25



Para-heating protection fluid (1 l)

code
PAR1



Filling pump (for Para-heating 1 l)

code
POM1

Circulators for heating



Low consumption electronic circulator - Max. pressure: 10 bar - Temperature range: -10°C/+110°C - IPX5 - Insulation class: F - 230V~50/60Hz - Max. glycol: 30% - Mode button with LED indicator - Anti-calcareous protection.



Domestic use



EVOSTA 2

0,4 to 3,6 m³/h up to 6,9 m - EEI ≤ 0,18.

	length (mm)	Ø	code
EVOSTA 2 40	180	1"1/2	EVA24070180
	130	1"1/2	EVA24070130
	130	1"	EVA2407013026
	180	2"	EVA24070180X



EVOSTA 3

0,4 to 4,2 m³/h up to 8 m - EEI ≤ 0,19.

	length (mm)	Ø	code
EVOSTA 3 40	180	1"1/2	EVA340180
	130	1"1/2	EVA340130
	180	2"	EVA340180X
	130	1"	EVA34013026
EVOSTA 3 60	180	1"1/2	EVA360180
	130	1"1/2	EVA360130
	180	2"	EVA360180X
	130	1"	EVA36013026
EVOSTA 3 80	180	1"1/2	EVA380180
	130	1"1/2	EVA380130
	180	2"	EVA380180X
	130	1"	EVA38013026

Collective use



	length (mm)	Ø	flanged	code
EVOPLUS 40	180	1"1/2		EVO40180M
EVOPLUS 40	180	2"		EVO40180XM
EVOPLUS 60	180	1"1/2		EVO60180M
EVOPLUS 60	180	2"		EVO60180XM
EVOPLUS 80	180	1"1/2		EVO80180M
EVOPLUS 80	180	2"		EVO80180XM
EVOPLUS 110	180	1"1/2		EVO110180M
EVOPLUS 110	180	2"		EVO110180XM
EVOPLUS B40	220		DN32	EVOB40220
EVOPLUS B40	250		DN40	EVOB40250
EVOPLUS D40 - Double	220		DN32	EVOD40220
EVOPLUS D40 - Double	250		DN40	EVOD40250
EVOPLUS B60	220		DN32	EVOB60220
EVOPLUS B60	250		DN40	EVOB60250
EVOPLUS D60 - Double	220		DN32	EVOD60220
EVOPLUS D60 - Double	250		DN40	EVOD60250
EVOPLUS B80	220		DN32	EVOB80220
EVOPLUS B80	250		DN40	EVOB80250
EVOPLUS D80 - Double	220		DN32	EVOD80220
EVOPLUS D80 - Double	250		DN40	EVOD80250
EVOPLUS B110	220		DN32	EVOB110220
EVOPLUS B110	250		DN40	EVOB110250
EVOPLUS D110 - Double	220		DN32	EVOD110220
EVOPLUS D110 - Double	250		DN40	EVOD110250
EVOPLUS B120	220		DN32	EVOB12032
EVOPLUS D120 - Double	220		DN32	EVOD12032
EVOPLUS B40	220		DN40	EVOB4040
EVOPLUS B60	220		DN40	EVOB6040
EVOPLUS B80	220		DN40	EVOB8040
EVOPLUS B100	220		DN40	EVOB10040
EVOPLUS B120	250		DN40	EVOB12040
EVOPLUS B150	250		DN40	EVOB15040
EVOPLUS B180	250		DN40	EVOB18040
EVOPLUS D40 - Double	220		DN40	EVOD4040
EVOPLUS D60 - Double	220		DN40	EVOD6040
EVOPLUS D80 - Double	220		DN40	EVOD8040
EVOPLUS D100 - Double	220		DN40	EVOD10040
EVOPLUS D120 - Double	250		DN40	EVOD12040
EVOPLUS D150 - Double	250		DN40	EVOD15040
EVOPLUS D180 - Double	250		DN40	EVOD18040



	length (mm)	Ø	flanged	code
EVOPLUS B40	240		DN50	EVOB4050
EVOPLUS B60	240		DN50	EVOB6050
EVOPLUS B80	240		DN50	EVOB8050
EVOPLUS B100	280		DN50	EVOB10050
EVOPLUS B120	280		DN50	EVOB12050
EVOPLUS B150	280		DN50	EVOB15050
EVOPLUS B180	280		DN50	EVOB18050
EVOPLUS D40 - Double	240		DN50	EVOD4050
EVOPLUS D60 - Double	240		DN50	EVOD6050
EVOPLUS D80 - Double	240		DN50	EVOD8050
EVOPLUS D100 - Double	280		DN50	EVOD10050
EVOPLUS D120 - Double	280		DN50	EVOD12050
EVOPLUS D150 - Double	280		DN50	EVOD15050
EVOPLUS D180 - Double	280		DN50	EVOD18050
EVOPLUS B40	340		DN65	EVOB4065
EVOPLUS B60	340		DN65	EVOB6065
EVOPLUS B80	340		DN65	EVOB8065
EVOPLUS B100	340		DN65	EVOB10065
EVOPLUS B120	340		DN65	EVOB12065
EVOPLUS B150	340		DN65	EVOB15065
EVOPLUS D40 - Double	340		DN65	EVOD4065
EVOPLUS D60 - Double	340		DN65	EVOD6065
EVOPLUS D80 - Double	340		DN65	EVOD8065
EVOPLUS D100 - Double	340		DN65	EVOD10065
EVOPLUS D120 - Double	340		DN65	EVOD12065
EVOPLUS D150 - Double	340		DN65	EVOD15065
EVOPLUS B40	340		DN80	EVOB4080
EVOPLUS B60	340		DN80	EVOB6080
EVOPLUS B80	340		DN80	EVOB8080
EVOPLUS B100	340		DN80	EVOB10080
EVOPLUS B120	340		DN80	EVOB12080
EVOPLUS D40 - Double	340		DN80	EVOD4080
EVOPLUS D60 - Double	340		DN80	EVOD6080
EVOPLUS D80 - Double	340		DN80	EVOD8080
EVOPLUS D100 - Double	340		DN80	EVOD10080
EVOPLUS D120 - Double	340		DN80	EVOD12080
EVOPLUS B40	450		DN100	EVOB40100
EVOPLUS B60	450		DN100	EVOB60100
EVOPLUS B80	450		DN100	EVOB80100
EVOPLUS B100	450		DN100	EVOB100100
EVOPLUS B120	450		DN100	EVOB120100
EVOPLUS D40 - Double	450		DN100	EVOD40100
EVOPLUS D60 - Double	450		DN100	EVOD60100
EVOPLUS D80 - Double	450		DN100	EVOD80100
EVOPLUS D100 - Double	450		DN100	EVOD100100
EVOPLUS D120 - Double	450		DN100	EVOD120100



Low consumption electronic circulator - Max. pressure: 10 bar - Temperature range: -2°C/+95°C - IP42 - Insulation class: H - 230V~50/60Hz - Max. glycol: 30% - 6 position control command & night mode - Union fitting Ø 1" & 230V cable included.



Domestic use

0,4 to 3,3 m³/h - EEI ≤ 0,23.

	length (mm)	Ø	code
Manual control panel	180	1"1/2	008520
Digital control panel	180	1"1/2	008521

Sanitary hot water circulators - Domestic use

Brass body - Ball turbine rotor motor - Includes valve, check valve & 1/2" M union fittings, except V155R - IP44 - 1~115-230V-50/60Hz - 2,5 to 9 W - Max. pressure: 10 bar - Max. temperature: +95°C.



Very low consumption

	code
Self-regulating	V155SL
With digital clock	V155VZ
Without clock	V155TR
Without clock & thermostat	V155M
Without clock, thermostat & fitting	V155R

Standard

	code
With clock & thermostat	V155HT
With clock, without thermostat	V155H



Bronze body.



	length (mm)	Ø	code
EVOSTA 2 SAN 40	150	1"1/2	EVA24070150SAN
EVOSTA 2 SAN 60	150	1"1/2	EVA280150SAN

Accessories for circulators

Thermostop check valves

Direct mounting on union connected circulator - Declutchable for drainage - Max. temperature: +130°C - Max. pressure: 10 bar - Opening pressure: 0,02 bar.



Ø	code
1"1/2	CT26
2"	CT33
25	CTB026
32	CTB033
40	CTB040
50	CTB050
65	CTB065
80	CTB080
100	CTB100



Ball valve free nut

Ø	code
1"1/2 - 1" F	ZVSC4026



Pressure set

Includes: manometer, shut-off valve with drainage, extension, copper connection pipe 4/6, brass fittings 1/4" & 1/8".

code
KPC



Free nut check valve

Direct mounting on union connected circulator - Declutchable for drainage.

Ø	code
1"1/2 - 1" M	CATET

Adaptors with gaskets

(sold by set of 2)

Ø	code
1"1/2 - 2"	ZF4050



Union fittings

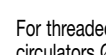
For threaded circulators Ø 1"1/2



	Ø	pack	code
Cast iron	3/4" F	24	ZRU20
Cast iron	1" F	24	ZRU26
Carbon steel	1"1/4 M	24	ZRU33M
Brass	1/2" F	50	ZRUL15
Brass	3/4" F	50	ZRUL20
Brass	1" F	50	ZRUL26

Threaded (sold by 2)

For threaded circulators Ø 1"1/2



Welding (sold by 2)

	Ø	pack	code
Brass	22	50	ZRCU22
Brass	28	50	ZRCU28

Threaded (sold by 2)

	Ø	pack	code
Cast iron	1"1/4 F	24	ZRU33F

Closed tanks - SBR membrane



Carbon steel body - SBR membrane according to DIN 4807 - Test pressure: 6 bar - Working pressure: 4 bar, except 6 bar for 80 l - Working temperature: -10°C/+99°C - Max. temperature: +110°C - Max. glycol: 30%.

Standard

volume (l)	set pressure (bar)	connection	Ø (mm)	height (mm)	code
4	0,5	3/4" M	225	195	V004
8	0,5	3/4" M	220	295	V008
12	1	3/4" M	294	281	V012
18	1	3/4" M	290	400	V018
25	1	3/4" M	324	415	V025

Standard

volume (l)	set pressure (bar)	connection	Ø (mm)	height (mm)	code
35	1,5	3/4" M	404	387	V035
50	1,5	3/4" M	404	507	V050

Standard

volume (l)	set pressure (bar)	connection	Ø (mm)	height (mm)	code
80	2	3/4" M	450	608	V080
105	2	3/4" M	500	665	V105
150	2	3/4" M	500	897	V150
200	2,5	3/4" M	600	812	V200
250	2,5	3/4" M	630	957	V250
300	2,5	3/4" M	630	1105	V300
400	2,5	3/4" M	630	1450	V400
500	2,5	1" M	750	1340	V500
600	2,5	1" M	750	1555	V600
700	2,5	1" M	750	1755	V700
800*	2,5	1" M	750	1855	V800
1000*	1,5	1" 1/2 M	850	2100	VMIL

* please consult for specific freight charges

Flat*

volume (l)	set pressure (bar)	connection	Ø (mm)	height (mm)	code
8	1	3/8" M	387	100	VC53108
10	1	3/4" M	387	110	VC53110
12	1	3/8" M	387	140	VC53112
18	1	3/4" M	387	200	VC53118
6	1	3/4" M	324	100	VC54106
8	1	3/8" M	324	129	VC54108
10	1	3/4" M	324	139	VC54110
12	1	3/4" M	324	170	VC54112

* working pressure: 3 bar

Closed tanks - NBR membrane - 10 bar

Carbon steel body - NBR membrane - Working pressure: 10 bar - Max. temperature: +90°C - Max. glycol: 30%.

volume (l)	set pressure (bar)	connection	Ø (mm)	height (mm)	code
80	2	1" M	450	830	VCE080
100	2	1" M	450	910	VCE100
200	2	1" 1/2 M	550	1235	VCE200
300	2	1" 1/2 M	630	1365	VCE300
500	2	1" 1/2 M	750	1560	VCE500

Open tanks



Use: for solid fuel (coal, biomass, ...) boilers.



Stainless steel

volume (l)	connection	length (mm)	width (mm)	height (mm)	code
22	1/2" F	500	290	155	VI22
30	1/2" F	500	290	215	VI30
50	1/2" F	500	350	300	VI50

Galvanised steel

volume (l)	connection	length (mm)	width (mm)	height (mm)	code
20	1" F	500	260	160	VGR020
30	1" F	500	380	150	VGR030
50	1" F	500	380	255	VGR050

Polypropylene

Standard (3 inserts)

volume (l)	connection	length (mm)	width (mm)	height (mm)	code
22	3/4" F	540	290	200	VP22
33	3/4" F	540	290	300	VP33
45	3/4" F	540	290	395	VP45

Universal (4 inserts)

volume (l)	connection	length (mm)	width (mm)	height (mm)	code
22	3/4"	540	290	225	VP22U

Tank accessories



Equipped wall brackets (for tanks up to 25 l)

Includes:

- A. tank union fitting
- B. air vent 3/8" F
- C. safety valve 1/2"
- D. manometer
- E. heating circuit outlet 3/4" M

code
ZSMCI

Wall brackets (for tanks up to 25 l)

With manometer outlet



code
ZSMI

Without manometer outlet

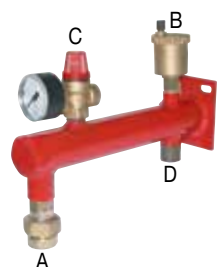


code
ZSM

For solar heating



code
ZSMO



Includes:

- A. tank union fitting
- B. air vent 3/8" F
- C. safety valve 1/2" with manometer
- D. heating circuit outlet 3/4" M

code
ZSMC



Quick union fitting (with built-in check valve)

code
RDV20MF



Wall support (for tanks up to 25 l)

code
SUPVAS



Pressure controller (0 to 4 bar)

code
ZCP



Square for tank (for tanks up to 25 l)

code
ZSEQ

Automatic air vents

■ Compact



Brass - Check valve not included.

Ø	pack	code
3/8" M	10	41013V
1/2" M	10	41014V

Check valve for air vents



Ø	pack	code
3/8"	10	39903V
1/2"	10	39904V

■ Standard



Brass - Check valve not included.

Ø	pack	code
3/8" M	10	42003V
1/2" M	10	42004V

Check valve for air vents



Ø	pack	code
3/8"	10	39903V
1/2"	10	39904V

■ Solar



Brass - Max. temperature: +180°C -
Shut-off valve not included.

Ø	pack	code
3/8" M	10	PRHT12V
1/2" M	10	PRHT15V

Shut-off valve

Brass - Max. temperature: +180°C.



Ø	code
3/8"	ZVS12HTV
1/2"	ZVS15HTV

■ Heavy duty



Cast iron - Max. pressure: 10 bar -
Max. temperature: +120°C - Max. glycol: 50%.

Ø	code
3/4"	PF20

Dirt separators

For domestic use

Carbon steel



volume (l)	Ø	code
4	1"	PID05
10	1 1/4"	PID07

For collective use

Carbon steel - Threaded male connections
for 2", flanged PN16 above.



volume (l)	DN	code
80	2"	PD050
100	65	PD065
130	80	PD080
200	100	PD100
300	125	PD125

Flexible & extensible hoses - Boilerflex, see page 381



Safety valves

■ Brass



pre-set (bar)	Ø	pack	code
1,5	1/2" FF	10	23100V
2	1/2" FF	10	23121V
2,5	1/2" FF	10	23120V
3	1/2" FF	10	23130V
4	1/2" FF	10	23140V
2,5	3/4" FF	10	23220V
3	3/4" FF	10	23230V
4	3/4" FF	10	23240V

pre-set (bar)	Ø	pack	code
3	1/2" MF	10	23030V

With manometer (mandatory packing: 10 pcs)

pre-set (bar)	Ø	pack	code
3	1/2" FF	10	23132V

■ Bronze

Max. temperature: +120°C.



pre-set (bar)	discharge capacity			code
	kW	kcal/h	Ø	
3	169	146 000	1/2" FF	S15G
3	269	232 000	3/4" FF	S20G3
4	337	290 000	3/4" FF	S20G4
5	400	344 000	3/4" FF	S20G5

3	503	433 000	1" FF	S26G3
4	627	540 000	1" FF	S26G4
5	748	643 000	1" FF	S26G5

3	656	565 000	1"1/4 FF	S33G3
4	822	707 000	1"1/4 FF	S33G4
3	813	700 000	1"1/2 FF	S40G3
4	1017	875 000	1"1/2 FF	S40G4
3	998	858 000	2" F - 2"1/2 F	S50G3
4	1227	1 056 000	2" F - 2"1/2 F	S50G4

■ High temperature - Solar heating



Brass body - Max. temperature: +110°C.

pre-set (bar)	Ø	code
3	1/2"F-3/4"F	27030V
6	1/2"F-3/4"F	27060V

Bronze body - Max. temperature: +160°C -
Max. power: 100 kW.

pre-set (bar)	Ø	code
6	3/4" FF	SHT20G6
10	3/4" FF	SHT20G10

Differential valve

Brass body - With free nuts - Max. temperature: +110°C - Max. pressure: 10 bar - Max. glycol: 30% -
Adjustable 0,1 to 0,6 bar differential.

Ø	code
3/4"	SDD

Sanitary

pre-set (bar)	Ø	pack	code
6	1/2" FF	10	23160V
7	1/2" FF	10	23170V
8	1/2" FF	10	23180V
10	1/2" FF	10	23110V
6	3/4" FF	10	23260V
7	3/4" FF	10	23270V
8	3/4" FF	10	23280V
10	3/4" FF	10	23210V



Sanitary

pre-set (bar)	Ø	code
7	1/2" FF	S15GS07
10	1/2" FF	S15GS10
7	3/4" FF	S20GS07
10	3/4" FF	S20GS10

7	1" FF	S26GS07
10	1" FF	S26GS10

7	1"1/4 FF	S33GS07
7	1"1/2 FF	S40GS07
7	2" FF	S50GS07

Funnel



Carbon steel	Ø	code
250 x 100 mm	2"	ZE50
400 x 100 mm	2"1/2	ZE65



Mixing valves

Max. temperature: +110°C - Max. pressure: 10 bar - Rotation 90° - Brass stem - Tightness with 2 EPDM o-rings - Can be equipped with any electric actuator - Brass: recommended for heating floor & installations with plastic & multilayer pipes - Excluded from 2014/68/EU Directive (art. 4, §3).

Threaded

Cast iron

	3-way				
Ø	3/4"	1"	1"1/4	1"1/2	2"
kvs	13	17	24	31	41
code	V3V20	V3V26	V3V33	V3V40	V3V50

	4-way				
Ø	3/4"	1"	1"1/4	1"1/2	2"
kvs	13	17	24	31	41
code	V4V20	V4V26	V4V33	V4V40	V4V50

Brass female

	3-way					
Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
kvs	2,5	6,3	8	15	24	40
code	VC3V15	VC3V20	VC3V26	VC3V33	VC3V40	VC3V50

	4-way					
Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
kvs	2,5	6,3	8	15	24	40
code	VC4V15	VC4V20	VC4V26	VC4V33	VC4V40	VC4V50

Brass male

	3-way		
Ø	3/4"	1"	1"1/4
kvs	2,5	6,3	8
code	VC3V20M	VC3V26M	VC3V33M

	4-way		
Ø	3/4"	1"	1"1/4
kvs	2,5	6,3	8
code	VC4V20M	VC4V26M	VC4V33M

Insulation for threaded mixing valves

	code
For F1/2", F3/4", M3/4" & M1"	CIS187107
For F1", F1"1/4 & M1"	CIS187108

Electric actuators for threaded mixing valves



3 positions - Direct mounting on Thermador mixing valves - IP40.

230V / 50 Hz

SME 130

5 Nm - Complete opening: 140 s - 1,5 m wire.

SME 20S with auxiliary contact

10 Nm - Complete opening: 140 s - 1,5 m wire.

SME 23 for thermostat regulation

10 Nm - Complete opening: 670 s - 1,5 m wire.

SME 96L

15 Nm - Complete opening: 280 s.

code
SME130
SME20S
SME23
SME96L

24V

SME 24

SME 212 with connection for Automix 30 regulator (to be used with Automix 30 only) - 5 Nm - Complete opening: 140 s - 1,5 m wire.

SME 140 signal 0-10V

code
SME24
SME212
SME140V

SM 230S

5 Nm - Complete opening: 120 s - 2 m wire.

code
SM230S

Mounting set

For:

Esbe/Danfoss

Centra (DR & ZR)

Oventrop/Meibes/Wita

VCI/VBG31/VBF21

code
MSNRE6
MSNRC
MSNRO
MSNRL

■ Flanged PN6

Cast iron



3-way							4-way					
Ø	50	65	80	100	125	150	50	65	80	100	125	150
kvs	65	100	185	310	510	820	65	100	185	310	510	820
code	VB3V050	VB3V065	VB3V080	VB3V100	VB3V125	VB3V150	VB4V050	VB4V065	VB4V080	VB4V100	VB4V125	VB4V150

Set of flanges PN6 with gaskets and bolts

Ø	50	65	80	100	125	150
code	ZCBP050	ZCBP065	ZCBP080	ZCBP100	ZCBP125	ZCBP150

■ Electric actuator for flanged mixing valves



Opening/closing: 120s - 230V~50Hz -
Max. torque: 18Nm - IP65.

code
SMEB

■ Regulation devices



Based on outdoor temperature - Includes: regulator, mounting accessories, power adaptor, room probe with radio receiver, external probe (15m wire), starting probe & antenna.

RA130

code
RA130

Option

Circulator starter set

code
ZKCRA130



NEW

Based on outdoor temperature - Built-in regulating functions - Includes: regulator, water probe, external probe (20 m), power supply, actuator, connectors & mounting pad.

RA110

code
RA110

Options

Room thermostat
Remote control thermostat

code
ZTA110F
ZTA110R



Based on indoor temperature - Radio transmission between transmitter & actuated mixing valve - Night & vacation energy saving - Includes: regulator, radio receiver, power supply, actuator & water probe.

Automix 20

code
RA20

Based on outdoor temperature - 2 circuits - Digital programmer - Includes: regulator, water probe, external probe (20m), power supply, actuator, connectors & antenna.

Automix 40

code
RA40

Options

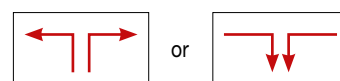
Room probe - 1st circuit
Actuator & starting probe - 2nd circuit
Room probe - 2nd circuit

code
ZSARA40
ZK2CRA40
ZSA2RA40

■ Diverting valves

3-way valve - 3-thread 230V actuator, with 60° rotating cycles - Position indicator on the actuator - Operating time: 8 s. - Temperature: 0°C/+90°C - Max. pressure: 10 bar - IP40 - Max. glycol: 50% - Supplied with quick connector & 1 m wire.

Ø	Kv	Δps (bar)	code
1" M	7,5	1	VDB3V26M



3-way valve, normally closed, spring return - 2-thread 230V actuator - Opening time: 18 s - Closing time: 5 s. - Temperature: +2°C/+93°C - Max. pressure: 21 bar - IP20 - Max. glycol: 50%.

Ø	Kv	Δps (bar)	code
1" F	6,9	1,3	VDL3V26



Hydraulic units

Units



Supplied with insulation - Optimised hydraulic connections - 3-way mixing valves (potentially actuated with SME actuator, Automix regulation) - Ball valves with built-in thermometers & antithermo-siphon check valve - Built-in wall support - Connection to the installation: 1" F for DN20 & 25, 1" 1/4 F for DN32 - Connection to the collector: 1" M for DN20 & 25, 1" 1/4 M for DN32 - Supplied with adapters - Highly energy-efficient circulator.



Direct unit

For 130 mm center distance circulator.

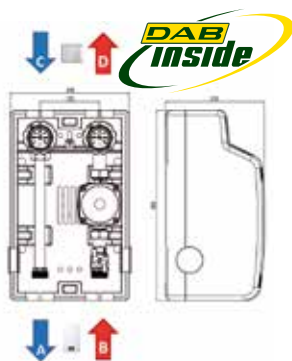
DN	code
20	GHD20
25	GHD25
32	GHD32



Direct unit with pump

Includes EVA265130GH circulator.

DN	code
20	GHD20C
25	GHD25C
32	GHD32C



Mixing unit

Includes mixing valve (SME130 as an option) - For 130 mm center distance circulator.

DN	code
20	GHM20
25	GHM25
32	GHM32



Mixing unit with pump

Includes mixing valve (SME130 as an option) & EVA265130GH circulator.

DN	code
20	GHM20C
25	GHM25C
32	GHM32C



Actuated mixing unit with pump

Includes mixing valve with SME130 actuator & EVA265130GH circulator.

DN	code
20	GHM20CM
25	GHM25CM
32	GHM32CM



Mixing unit with pump & RA130 regulation device

Includes mixing valve, EVA265130GH circulator & RA130 regulation device.

DN	code
20	GHM20CRA130
25	GHM25CRA130
32	GHM32CRA130



NEW

Mixing unit with pump & RA110 regulation device

Includes mixing valve, EVA265130GH circulator & RA110 regulation device.

DN	code
20	GHM20CR
25	GHM25CR
32	GHM32CR



NEW

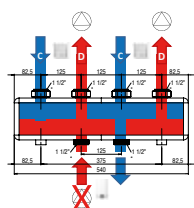
Mixing unit with pump & Automix 20 regulation device

Includes mixing valve, EVA265130GH circulator & Automix 20 regulation device.

DN	code
20	GHM20CRA20
25	GHM25CRA20
32	GHM32CRA20

Manifolds

For installations without energy source circulator - Flow: 3m³/h - Center distance: 125 mm - MF 1" 1/2 connection - Supplied with 2 mounting brackets.



Manifold for DN20 & DN25

- 2 outlets
- 3 outlets
- 4 outlets
- 5 outlets

NEW

code
COL2GH
COL3GH
COL4GH
COL5GH



Manifold for DN32

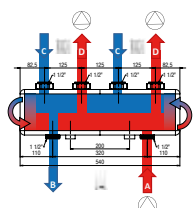
- 2 outlets
- 3 outlets
- 4 outlets
- 5 outlets

NEW

code
COL2GH32
COL3GH32
COL4GH32
COL5GH32

Separators

Hydraulic insulation between primary & secondary circuit - For installations with energy source circulator - Flow: 3m³/h - Center distance: 125 mm - MF 1" 1/2 connection - Supplied with 2 mounting brackets.



Separator for DN20 & DN25

- 2 outlets
- 3 outlets

code
SEP2GH
SEP3GH



Separator for DN32

- 2 outlets
- 3 outlets

code
SEP2GH32
SEP3GH32

Fitting for manifold & separator

Ø	code
1" x 1" 1/2	RC4025GH
1" 1/4 x 1" 1/2	RC4032GH

See:

- SME 130 page 396
- RA110 page 397
- RA130 page 397
- Automix 20 page 398

Thermostats

Standard mechanical



Shut-off 16 (2,5) A 250V - IP20.

Basic

With season change switch

code
TA2
TA2EH

Programmable



Heating & cooling - 1/2 hour period setting - Shut-off 5A (1A) - IP20.

Wire

battery
mains

code
TAFB
TAFS

Standard digital



Temperature setting: -5°C/+30°C - ON/OFF regulation - Shut-off 5 (2) A - IP30.

Wire

battery

Radio transmission

battery

code
TASF
TASOR

Programmable +



Temperature setting: -5°C/+30°C - 3 modifiable comfort ranges / day, weekly programming - Boost mode for comfort setting during 1 h - Shut-off 5 (2) A - IP30.

Wire

battery

Radio transmission

battery

code
TAPF
TAPOR

In tight container



Changeover contact 16 (2,5) A 250V - IP54.

Temperature setting: -5°C/+35°C

code
TAE2



Changeover contact 16 (2,5) A 250V - IP54.

Temperature setting: 0°C/+60°C - Probe Ø 6 x 119 mm - Capillary 0,9 m.

Temperature setting: -35°C/+35°C - Probe Ø 6 x 140 mm - Capillary 1 m.

code
TAC32

code
TAC33

NEW Connected



Compatible with most electric or hydraulic heating systems - Directly connectable to the Internet through the Internet service provider's box Internet, without any other accessory - Remotely controlled from a smartphone, tablet or a computer thanks to a mobile application - Self-programmable - Amazon Alexa and Google Home compatible - Management of several radio bases.

Wire

white

black

code
THOM
THOMN



Radio transmission

black

code
THOMRN

Aquastats

With spring



Manual reset - Pre-set +60°C - Temperature setting: -40°C/+70°C - Changeover contact 10 (2,5) A 250V - IP40.

Aquanorm

code
AARM

With plunger



Temperature setting: 0/+90°C - Δt 6° ± 2°K - 1/2" fitting - Changeover contact 10 (2,5) A 250V - IP40.

Sensor 100 mm
Sensor 200 mm

code
ATC2
ATC21



Temperature setting: -20°C/+90°C - Δt 8° ± 2°K - IP20.

Standard external setting

Changeover contact 16 (2,5) A 250V.

code
AAR

Setting under protection housing

Dry contact 16 (2,5) A 250V.

code
AARC

Aquastat & safety limiter

1/2" fitting - Sensor 100 mm - IP40.

Aquastat: temperature setting 0/+90°C - Δt 4° ± 1°K -

Changeover contact 10 (2,5) A 250V -

Safety limiter: temperature setting

+90°C/+110°C - Pre-set +110°C -

Contact 10 (2,5) A 250V.

code
ATLSC

Remote sensors

Control

temperature setting	capillary length (mm)	sensor	code
0°C/+90°C	1500	Ø 6,5 - L95	TH549074
+30°C/+90°C	1500	Ø 6,5 - L95	TH549170

With adjustment stop

temperature setting	capillary length (mm)	sensor	code
0°C/+90°C	1500	Ø 6,5 - L95	TH540359

Safety

Manual resetting - Pre-set 110°.

temperature setting	capillary length (mm)	sensor	code
+90°C/+110°C	1500	Ø 6,5 - L95	TH542286





Flow switch

Flow detection - For pipes 1" to 8" - 230V - 15 (5) A - IP54 - Connection M1" - Max. pressure: 10 bar - Temperature range: -25°C/+120°C - Max. glycol: 50% - Max. room temperature: +55°C - 4 blade sets.

code
FLUSD

Pressure switch

Control, surveillance & alarm - For oil & water - Temperature range: -20°C/+70°C - IP33 - 230V AC: 10A - Adjustable hysteresis - Connection M1/4" - SPDT changeover contact.



setting range (bar)	code
-0,4 - 7	PRES07B
6 - 15	PRES615B
6 - 30	PRES630B

Thermometers

Infrared



Laser sighting industrial thermometer - LCD - °C or °F display - 500 ms response time - Temperature range: -50°C/+550°C - 2% accuracy - Tension 1 9V 6LR61 battery.

code
TIRVL

Temperature probe



Class A acc. to IEC 60751 - Ø 8 mm stainless steel 316 sheath - Wire inlet M 20 x 15 - Temperature range: -50°C/+250°C (temperature range to be set on 2-thread type) - Sleak plunger - IP65 - 2-thread 4-20mA outlet with head analogue/digital converter or 3-thread outlet.

2-thread 4-20mA outlet

length (mm)	code
50	SPT100L50
63	SPT100L63
100	SPT100L100

3-thread 4-20mA outlet

length (mm)	code
50	SPT100MAL50
63	SPT100MAL63
100	SPT100MAL100

Bi-metal

With spring tie

For pipe up to 1".

Ø dial	temperature	pack	code
63	0°C/+120°C	50	TR



With copper tie

For pipe up to 1"1/2.

Ø dial	temperature	pack	code
63	0°C/+120°C	50	TB

With plunger



Ø dial	temperature	Ø connection	plunger length (mm)	pack	code
63	0°C/+120°C	1/2"	45	50	T063A
80	0°C/+120°C	1/2"	45	50	T080A
100	0°C/+120°C	1/2"	45	50	T100A



Ø dial	temperature	Ø connection	plunger length (mm)	pack	code
63	0°C/+120°C	1/2"	100	50	T063AL100
100	0°C/+120°C	1/2"	100	50	T100AL100
100	0°C/+120°C	1/2"	200	50	T100AL200
80	-30°C/+50°C	1/2"	100	50	T3050



Ø dial	temperature	Ø connection	plunger length (mm)	pack	code
80	0°C/+120°C	1/2"	45	50	T080R

Quick reactivity



Ø dial	temperature	Ø connection	plunger length (mm)	code
60	0°C/+100°C	3/8"	45	TRI

Gas & smoke



Ø dial	temperature	plunger length (mm)	code
80	0°C/+500°C	150	TGAZ

Boilers

Temperature range: 0°C/+130°C - Brass case - Ø 1/2".

Straight

height (mm)	Ø	plunger length (mm)	code
160	20	45	TV160D
260	25	60	TV260D

NEW



Angle

height (mm)	Ø	plunger length (mm)	code
160	20	45	TV160E
260	25	60	TV260E

NEW



Industry

Easy reading - Glass pipe filled with alcohol - Ø 1/2".

Plastic - Straight

Temperature range: 0°C/+120°C.

height (mm)	plunger length (mm)	code
150	63	TI150DP
200	63	TI200DP
200	100	TI200DL100P

Temperature range: -30°C/+50°C.

height (mm)	plunger length (mm)	code
150	63	TI150D3050P
200	63	TI200D3050P
200	100	TI200DL1003050P



Plastic - Angle

Temperature range: 0°C/+120°C.

height (mm)	plunger length (mm)	code
150	63	TI150EP
200	63	TI200EP
200	100	TI200EL100P

Temperature range: -30°C/+50°C.

height (mm)	plunger length (mm)	code
150	63	TI150E3050P
200	63	TI200E3050P
200	100	TI200EL1003050P



Brass - Straight

Temperature range: 0°C/+120°C.

height (mm)	plunger length (mm)	code
150	63	TI150D
200	63	TI200D
200	100	TI200DL100

Temperature range: -30°C/+50°C.

height (mm)	plunger length (mm)	code
150	63	TI150D3050
200	63	TI200D3050
200	100	TI200DL1003050



Brass - Angle

Temperature range: 0°C/+120°C.

height (mm)	plunger length (mm)	code
150	63	TI150E
200	63	TI200E
200	100	TI200EL100

Temperature range: -30°C/+50°C.

height (mm)	plunger length (mm)	code
150	63	TI150E3050
200	63	TI200E3050
200	100	TI200EL1003050



Thermowells

Copper tube with M 1/2" NPT brass fitting

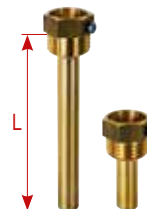
length (mm)	Ø int./Ø ext.	code
47	7 x 8	ZDG555001
47	10 x 11	ZDG555006
97	7 x 8	ZDG555002
97	10 x 11	ZDG555007
97	14,7 x 16	ZDG555034
117	10 x 11	ZDG555008
117	14,7 x 16	ZDG555035
147	10 x 11	ZDG555009
187	10 x 11	ZDG555010
197	7 x 8	ZDG555027
277	10 x 11	ZDG555011



Brass

M 1/2" connection with blocking screw - 9 mm Ø int., 11 Ø ext.

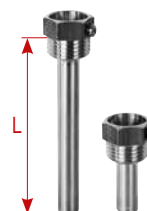
length (mm)	code
45	ZDG15045
60	ZDG15060
100	ZDG15100
160	ZDG15160



Stainless steel

M 1/2" connection with blocking screw - 8 mm Ø int., 10 Ø ext.

length (mm)	code
45	ZDG15045I
63	ZDG15063I
100	ZDG15100I



Manometers

■ Dry - ABS plastic box

Acc. to EN837-1 - Temperature range: -20°C/+60°C - Brass connection - Acrylic glass - IP43 - Class 2,5 for Ø 50 & 63, class 1,6 for Ø 80 & 100.

Ø 50 - Axial



pressure (bar)	Ø connection	code
0 - 4	1/4"	MA04
0 - 6	1/4"	MA06
0 - 10	1/4"	MA10

Ø 63 - Axial



pressure (bar)	Ø connection	code
0 - 6	1/4"	M63A06
0 - 10	1/4"	M63A10

Ø 50 - Radial



pressure (bar)	Ø connection	code
0 - 4	1/4"	MR04
0 - 6	1/4"	MR06
0 - 10	1/4"	MR10

Ø 63 - Radial



pressure (bar)	Ø connection	code
0 - 6	1/4"	M63R06
0 - 10	1/4"	M63R10

Ø 80 - Radial



pressure (bar)	Ø connection	code
0 - 4	1/2"	M80R04
0 - 10	1/2"	M80R10

Ø 100 - Radial



pressure (bar)	Ø connection	code
0 - 6	1/2"	M100R06
0 - 10	1/2"	M100R10

■ Glycerin filled - Stainless steel box

Acc. to EN837-1 - Temperature range: -20°C/+60°C - Brass connection - Plexiglass glass - IP65 - Safety vent - Class 1,6.

Ø 50 - Axial



pressure (bar)	Ø connection	code
0 - 10	1/4"	MA10G

Ø 63 - Axial



pressure (bar)	Ø connection	code
0 - 4	1/4"	M63A04G
0 - 6	1/4"	M63A06G
0 - 10	1/4"	M63A10G

Ø 50 - Radial



pressure (bar)	Ø connection	code
0 - 10	1/4"	MR10G

Ø 63 - Radial



pressure (bar)	Ø connection	code
0 - 4	1/4"	M63R04G
0 - 6	1/4"	M63R06G
0 - 10	1/4"	M63R10G

Other pressure settings, see page 473

■ Thermomanometer

Ø 80

Temperature range: 0°C/+120°C -
With socket for draining without dismantling.



Axial
Radial

pressure (bar)	Ø connection	code
0 - 4	1/2"	MTA
0 - 4	1/2"	MTR

■ Hydrometer

Ø 63 - Radial



pressure (bar)	Ø connection	code
0 - 10	3/8"	H10
0 - 20	3/8"	H20

■ Electronic

Ø 80 - Radial

Stainless steel 304 housing - Noryl protection cap - LCD display 50 x 27 mm, 4,5 digits - Bargraph 7 segments - Temperature range: -20°C/+70°C - Connection 1/4" - Class 0,4 - 3V tension, 2 AAA batteries (non supplied) - Measuring units: bar, Mpa, mH2O, mmHg, T or Kpa, PSI, Kgf/mm² - IP65.



pressure (bar)	permissible overpressure (bar)	code
0 - 6	9	MER06
0 - 10	15	MER10
0 - 16	24	MER16
0 - 25	32	MER25

■ Accessories



Holder valve

Ø	code
1/4"	ZRI08
3/8"	ZRI12
1/2"	ZRI15



Push-button valve

Ø	code
1/4"	9880302
1/2"	9880304



Holder valve with handle

Ø	code
1/4"	1306002
3/8"	1306003
1/2"	1306004



Coil siphon

Ø	code
M1/4"-F1/4"	9880202
M1/2"-F1/2"	9880204

Solid fuel boiler equipment



Thermic valves



Thermovar

Ø	Kvs	opening temperature setting	code
1"	9	45°C	T2645
1"1/4	12	45°C	T3345
1"	9	61°C	T2661
1"1/4	12	61°C	T3361
1"	9	72°C	T2672
1"1/4	12	72°C	T3372



Thermobac

Check valve to be added to Thermovar in some installations.

Ø	code
1"	CTB26
1"1/4	CTB33



Thermovar set

For max. 65 Kw boilers - Max. temperature: +110°C - Supplied with insulation.

Ø	opening temperature setting	code
1"1/4	61°C	TC61L
1"1/4	72°C	TC72L



Pump actuator

code
ZMCTC-2



Draught stabilizers

Moderator (Georgin)

Ø	steel code	epoxy paint code
97 to 140	SB1	SB1N
140 to 200	SB2	SB2N
200 to 280	SB3	SB3N
280 to 344	SM4	-
400 to 448	SM5	-



Regulator

Stainless steel - Counterweight adjustment.

Ø	code
108 to 110	ST1
150 to 153	ST2
180 to 183	ST3



Draught regulator

Calorstat

Temperature range: +30°C/+90°C - Double sight according to horizontal & vertical position - 3/4" connection - Lever 140 mm - Chain 1,2 m - Lifting torque 10Nm.

code
R85

NEW Transfer units

Insulated transfer unit

ErP solar circulator - Air separator with manual return - Valves - Thermometer - Flow regulator with flowmeter.

Without solar controller
With RS4 solar controller

code
GTSDN
GTSDNR

Return unit

ErP solar circulator - Safety valve 6 bar setting (-30°C to +160°C) - Flow regulator with flowmeter (1 to 13 l/mn) - Filling & drainage valve - Shut-off valve with thermometer & built-in check valve.

code
GTS

Solar controllers

3-configuration solar heating system

Speed monitoring of high efficiency pump - 1 outlet Grundfos Direct Sensor VFD probe - System-Monitoring screen - 4 PT1000 temperature probes - 2 semiconductor relays for speed monitoring - Calorimetric balance.

code
RS4

10-configuration solar heating system

Speed monitoring of high efficiency pump, acc. to VDI 2169 Directive - 3-relay outlets (incl. low voltage relay without potential) - System-Monitoring screen - 4 inlets for temperature probes Pt1000, Pt500 or KTY - 1 V40 pulse inlet - 2 PWM outlets for speed monitoring.

code
RS10

Circulators



Low consumption electronic circulator - Max. pressure: 10 bar - Temperature range: -10°C/+110°C - IPX5 - Insulation class: F - 230V~50/60Hz - Max. glycol: 30% - Mode button with LED indicator - Anti-calcareous protection.



EVOSTA 2

0,4 to 3,3 m³/h up to 6,9 m - EEI ≤ 0,20.

	length (mm)	Ø	code
EVOSTA 20	180	1"1/2	EVA22075180SOL
	130	1"1/2	EVA22075130SOL
	130	1"	EVA2207513026SOL
	180	1"1/2	EVA220105180SOL
	130	1"1/2	EVA220105130SOL
	130	1"	EVA2201013026SOL

EVOSTA 30

	length (mm)	Ø	code
EVOSTA 30	180	1"1/2	EVA230145180SOL
	130	1"1/2	EVA230145130SOL
	130	1"	EVA2301413026SOL

Expansion tank

Solar expansion tank

Preset pressure: 2,5 bar - Max. working pressure: 10 bar - TS: -10°C/+99°C (temporarily: +110°C) - Butyl membrane - Connection M 3/4" up to 50 l, 1" M above - Max. glycol: 50%.

volume (l)	code
12	V012S
18	V018S
24	V024S
35**	V035S
50**	V050S
80**	V080S
105**	V105S

** on base

volume (l)	code
150**	V150S
200**	V200S
250**	V250S
300**	V300S
400**	V400S
500**	V500S
600**	V600S

** on base

Tank support set (up to 25 l)
Includes: square, 50 cm stainless steel flexible hose, FF 3/4" quick union fitting, high temperature fiber gaskets.

code
KMVS

Wall bracket

code
ZMSO

Solar panel connections, see page 381



Mixing water tanks for heat pumps



■ Standard - ErP class B & C

Reversible insulated tank (to be installed between the heat pump & the boiler, at any side) - Supplied with 4 caps up to 50 l - Carbon steel body - Expanded polyurethane insulation - Threaded connections.

2 x 2 connections

volume (l)	height (mm)	Ø (mm)	center distance connection (mm)	Ø connections	ErP class	code
8	382	254	126	1"	B	BMEL08SK
12	526	254	270	1"	B	BMEL12SKE
25	790	290	450	1"1/4	C	BMEL25SKE
50	1008	343	600	1"1/4	C	BMEL50SKE

2 x 4 connections

volume (l)	height (mm)	Ø (mm)	center distance connection (mm)	Ø connections	ErP class	code
12	526	254	90	1"	B	BMEL12SK
25	790	290	150	1"1/4	C	BMEL25SK
50	1008	343	200	1"1/4	C	BMEL50SK
100	870	450	175	1"1/4	C	BMEL100SKM

2 x 4 connections - Ground standing

volume (l)	height (mm)	Ø (mm)	center distance connection (mm)	Ø connections	ErP class	code
100	954	450	175	1"1/4	C	BMEL100SK
200	1438	510	330	1"1/4	C	BMEL200SK
300	1515	620	275/300	1"1/4	C	BMEL300SK
500	1816	750	350/380/350	2"	C	BMEL500SK

NEW

■ Premium - ErP class A

Reversible insulated tank (to be installed between the heat pump & the boiler, at any side) - Carbon steel body - Corrosion resistant with zinc/aluminium/magnesium coating - Expanded polyurethane insulation - Threaded connections.

volume (l)	height (mm)	Ø (mm)	center distance connection (mm)	Ø connections	ErP class	code
12	566	344	270	1"	A	BMEL12SKP
25	830	340	450	1"1/4	A	BMEL25SKP
50	1037	423	600	1"1/4	A	BMEL50SKP
100	930	550	525	1"1/4"	A	BMEL100SKP

Hydraulic insulation

Carbon steel body - 3/8"F for automatic air vent - 3/8"F for draining valve - 1"F connections.

volume (l)	code
2	BDH026F

Injection tank

For heating and air conditioning: anti-frost and glycol filling - 3/4" & 1"MM connections - Supplied with funnel.

volume (l)	Ø	code
12	3/4" M - 1" M	BI12J
25	3/4" M - 1" M	BI25J

Resistors

Incoloy thermoplungers - 1"1/2 connection - For 100 to 500 l tanks - Control & safety thermostats (manual reset) - 2 m wire - IP65 - ⚠ **Not suitable for glycol.**



Thermostats 230V +30/+70°C, safety +90°C.

power (kW)	max. power (W/cm²)	plunger length (mm)	code
2	9,1	320	RES2000TM
3	13,5	320	RES3000TM
6	12,6	400	RES6000TM

Thermostats 3~400V +30/+75°C, safety +98°C.

power (kW)	max. power (W/cm²)	plunger length (mm)	code
2	8,7	300	RES2000TT
3	13,1	300	RES3000TT
4	10,0	395	RES4000TT
5	10,0	480	RES5000TT
6	10,1	600	RES6000TT
9	12,5	800	RES9000TT





Heating or cold water storage tanks



Indoor or outdoor installation - Carbon steel coated body - Rigid polyurethane foam insulation with low heat loss - White galvanized metal sheath - 1"1/2 outlet for additional electric resistor - Max. pressure 4 bar - Temperature range -10°C/+90°C. ErP C class.

capacity (l)	height (mm)	Ø (mm)	power (W)	ErP class	code
100	948	460	62	C	BREV0100HE
200	1336	510	83	C	BREV0200HE
300	1395	610	89	C	BREV0300HE
500	1970	750	102	C	BREV0500HE
800*	1996	900	106	C	BREV0800HE
1000*	2035	1000	125	C	BREV1000HE
1500*	2366	1100	159	C	BREV1500HE
2000*	2436	1300	158	C	BREV2000HE

* please consult for specific freight charges

Sanitary hot water tanks



Polywarm® carbon steel coated body & coil - 50 mm thickness polyurethane insulation up to 500 l, 100% recycable polyester fiber insulation above - White PVC sheath - Cathodic protection: magnesium anode - 1"1/2 outlet for additional electric resistor - 1/2" outlet for probe or thermometer - Standard & 2 exchangers: storage max. pressure 10 bar (except 1000 & 1500 l: 8 bar) & max. temperature +90°C; exchanger max. pressure 12 bar & max. temperature +110°C - Wall mounting: storage max. pressure 6 bar & max. temperature +90°C; exchanger max. pressure 12 bar & max. temperature +110°C - ErP B or C class.



Standard

capacity (l)	height (mm)	Ø (mm)	power (W)	ErP class	code
150	-	-	55	B	PECS0150HE
200	1434	550	59	B	PECS0200HE
300	1486	650	69	B	PECS0300HE
500	1786	750	102	B	PECS0500HE
800*	2163	950	118	B	PECS0800HE
1000*	2217	1050	134	B	PECS1000HE
1500*	2240	1150	164	C	PECS1500HE

* please consult for specific freight charges



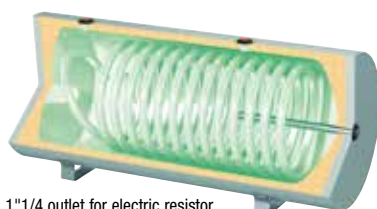
2 exchangers

capacity (l)	height (mm)	Ø (mm)	power (W)	ErP class	code
200	1434	550	59	B	PECS022STHE
300	1486	650	69	B	PECS032STHE
500	1786	750	102	C	PECS052STHE

Wall mounting

capacity (l)	height (mm)	Ø (mm)	power (W)	ErP class	code
80	800	456	63	C	PECS0080MHE
100	954	456	67	C	PECS0100MHE
150	1330	456	75	C	PECS0150MHE
200	1350	510	77	C	PECS0200MHE

* please consult for specific freight charges



1"1/4 outlet for electric resistor



Storage & exchanger tanks

Heating water storage tanks

For discontinuous heating boilers (such as wood boilers) - Carbon steel body - 50 mm injected foam or 100 mm soft polyester insulation, white plastic coated - 1"1/2 outlet for additional electric resistor for PLUS range - Storage: max. pressure 3 bar, max. temperature +99°C - Exchanger: max. pressure 12 bar, max. temperature +110°C - ErP C class.

Standard

capacity (l)	height (mm)	Ø (mm)	power (W)	ErP class	code
500	1640	750	109	C	B0500HE
800*	1740	1010	132,3	C	B0800HE
1000*	2090	1010	141,5	C	B1000HE

* please consult for specific freight charges

PLUS range - Without exchanger

capacity (l)	height (mm)	Ø (mm)	power (W)	ErP class	code
300	1340	650	85,6	C	BS0300VHE
500	1620	750	109	C	BS0500VHE
800*	1840	1010	135,2	C	BS0800VHE
1000*	2130	1010	143,7	C	BS1000VHE
1500*	2250	1210	166,5	C	BS1500VHE
2000*	2320	1360	187,6	C	BS2000VHE

* please consult for specific freight charges

PLUS range - Carbon steel pipe exchanger

capacity (l)	height (mm)	Ø (mm)	power (W)	ErP class	code
300	1340	650	85,6	C	BS0300SEHE
500	1620	750	109	C	BS0500SEHE
800*	1840	1010	135,2	C	BS0800SEHE
1000*	2130	1010	143,7	C	BS1000SEHE
1500*	2250	1210	166,5	C	BS1500SEHE

* please consult for specific freight charges

Heating water storage & sanitary hot water production tanks

Up to 3 different heating sources, with an additional electric supply - Used for solid fuel boilers, biomass & solar heating system - Carbon steel body & exchanger - Stainless steel 316L exchanger for instant sanitary hot water production - 50 mm injected foam or 100 mm soft polyester insulation - Grey PVC sheath - 1"1/2 outlet for additional electric resistor - Storage: max. pressure 3 bar, max. temperature +99°C - Stainless steel exchanger: max. pressure 6 bar - Carbon steel exchanger: max. pressure 12 bar, max. temperature +110°C - ErP B or C class.



Without carbon steel pipe exchanger

capacity (l)	height (mm)	Ø (mm)	power (W)	ErP class	code
200	1310	590	59	B	BSES0200HE
300	1585	650	55	B	BSES0300HE
600	1869	750	116	C	BSES0600HE
800*	1838	1010	135	C	BSES0800HE
1000*	2128	1010	144	C	BSES1000HE
1500*	2250	1210	167	C	BSES1500HE
2000*	2319	1360	188	C	BSES2000HE

* please consult for specific freight charges

2 carbon steel pipe exchangers

capacity (l)	height (mm)	Ø (mm)	power (W)	ErP class	code
600	1869	750	116	C	BSE0600HE
800*	1838	1010	135	C	BSE0800HE
1000*	2128	1010	144	C	BSE1000HE
1500*	2250	1210	167	C	BSE1500HE
2000*	2319	1360	188	C	BSE2000HE

* please consult for specific freight charges

Sold by coil of 150 m or by multiple of 10 m - The heat emission intensity varies according to indoor or outdoor temperature (depending on the application) - Every meter marked - 230V.



Anti-frost protection

Self-regulating temperature: +55°C.

material	output power at 10°C	150 m coil code	multiple of 10 m code
Metal braid & polyolefine sheath	12 W/m	5BMX	5BMXM
Metal braid & polyolefine sheath	20 W/m	10BMX	10BMXM

Temperature control

Self-regulating temperature: +65°C.

material	output power at 10°C	150 m coil code	multiple of 10 m code
Metal braid & polyolefine sheath	31 W/m	20BMX	20BMXM

Roof snow removal & ramp protection

Electric protection: IPX7 - Self-regulating temperature: +65°C.

material	output power at 10°C	150 m coil code	multiple of 10 m code
Metal braid & fluorised polymere sheath	31 W/m	20BMF	20BMFM



Single connection

1 cable connection - IP68.

code

AUT1



Pipe clamps

(sold by 100)

code

COL



Y - connection

2 cable connection - IP65.

code

AUT2



Fiber glass self-adhesive tape

50 m x 12 mm

code

FIB



Connection set

Rubber pieces & gland-pack for connection or termination.

code

AUTOKIT



Aluminium self-adhesive tape

50 m x 50 mm

code

ALU



Terminations

(sold by 5)

code

MANTER



Thermostats with 3 m contact probe

Anti-frost protection (for 5BMS & 5BMX) 0°C/+40°C (16A)

code

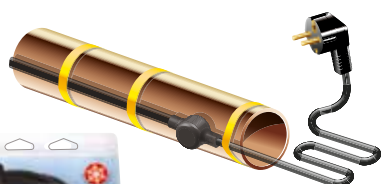
TH40



Temperature control (for 20BMS & 20BMX) +10°C/+110°C (10A)

code

TH110



Ready-to-use cable set

Anti-frost protection - Includes electric plug & thermostat for shut-off above +5/+8°C (energy saving) - 230V - Under tension max. use temperature: +50°C - T6 (85°) acc. to EN 50014 - Min. installation temperature: -20°C - Non-heated section: 2 m - IP54.

cable length	code
5 m	CAB5
10 m	CAB10
15 m	CAB15



Wall fan coil unit

Long-lasting copper-aluminium battery, tested at 20 bar - Silent AC tangential motorised fan - 3 speed blowing - Wall installation - White ABS housing & air damper - EU2 air filter - ABS condensate tank.



max. air flow (m³/h)	max. heating capacity (kW)	max. cooling capacity (kW)	infrared remote control code	wired remote control code
410	5,1	2,38	VCMIR023	VCM023
560	6,6	2,7	VCMIR043	VCM043
860	10	4,6	VCMIR123	VCM123



Infrared remote control

code
TIRVCM

Fan coil unit



built-in thermostat

Thick housing with RAL 9002 white epoxy painting - Long-lasting copper heat exchanger, 24 bar & 120°C tested - 6 speed (3 connected) motorised fan, 230V AC, silent bloc with self-lubricating bearings, IP42 & thermal built-in protection - Static & dynamic balanced turbine - Easy maintenance EU-G3-M1 air filter - Condensate container under heat exchanger - ABS airing grid - Hot water 70/60°C, cold water 7/12°C.

Vertical with underneath intake



max. air flow (m³/h)	max. heating capacity (kW)	max. cooling capacity (kW)	standard code	with built-in thermostat code	uncased code
370	3,74	1,50	VCVA013	VCVAR013	VNHA013
400	4,91	2,00	VCVA023	VCVAR023	VNHA023
500	5,98	2,53	VCVA033	VCVAR033	VNHA033
550	6,71	3,02	VCVA043	VCVAR043	VNHA043
670	8,16	3,75	VCVA053	VCVAR053	VNHA053
720	9,44	4,25	VCVA063	VCVAR063	VNHA063
1 000	12,00	5,52	VCVA073	VCVAR073	VNHA073
1 050	13,30	6,42	VCVA083	VCVAR083	VNHA083
1 280	15,50	7,53	VCVA093	VCVAR093	VNHA093
1 500	19,79	9,82	VCVA103	VCVAR103	VNHA103

EC (brushless)
motor on request

Electronic remote control

For without built-in thermostat types



code
CADVC

Remote control room sensor

To be combined with remote control



code
SAVC

3/4" 3-way valve set



code
KV3VC

Digital remote control

For without built-in thermostat types



code
TAE

Control interface for 4 fan coil units

To be combined with remote control



code
R4VC

Under valves & pipes condensate container

TF for vertical types



code
BCVC

Feet

For vertical with underneath intake types



code
PIEDSVC

Hot water air heater with EC or AC motor



Compact - Horizontal or vertical installation - AC or EC (brushless) motor - Rotary console (vertical axis) & 3 position orientable (horizontal axis) - Right side hydraulic connection - Galvanised carbon steel housing - Copper aluminium exchanger - 230V AC - IPS54.



	power (W)	air flow (m³/h)	air range (m)	consumption (W)	motor speed (tr/min)	sound pressure (Lp dB(A) at 5m)	code
AC motor NEW	11,5/17	2 100	14	115	1 450	52	AWMIN
	13/21	2 000	14	115	1 450	52	AWMIN3
	17/24	5 300	23	280	1 380	56	AW1
	26,5/40	4 850	33	280	1 380	56	AW2
	40/60	5 700	25	450	1 380	57	AW3
EC motor NEW	42,5/66	5 300	23	410	1 380	56	AW4
	3..17	2 100	14	95	1 450	50	AWSMIN
	4..21	2 000	14	95	1 450	50	AWSMIN3
	4..24	5 300	23	250	1 380	54	AWS1
	7..40	4 850	33	250	1 380	54	AWS2
NEW	10..60	5 700	25	370	1 380	55	AWS3
	10..66	5 300	23	370	1 380	54	AWS4

Power & air temperature are given for a 15°C recovery temperature.

NEW Drain pan



code
BCAWMIN
BCAW4



Control panel for AC motor

code
CADRA



Control panel for EC motor

code
CADAWS



Weekly programmable thermostat for EC

code
CADRAS2



Shut-off valve

code
KEVIRA



Monophased 20A proximity switch

code
IPM



Suspended support set

code
KSV

Hot water air heater unit



Compact - Water coil (tested 30 bar) - Motorised fan IP54 with gland pack - Wall or suspended installation - Right side hydraulic connection - 230V AC - 1 speed fan - Galvanised steel housing - Supply grille with carbon steel adjustable blades - Copper heat exchanger with aluminium blades.



type	sound pressure (Lp dB(A) at 5m)	power consumption (W)	current consumption (A)	dimensions (mm)	code
AW22	35	1 x 90	1 x 0,42	L 520 x W 440 x H 350	AW22
AW23	36	1 x 95	1 x 0,44	L 520 x W 440 x H 350	AW23
AW32	38	1 x 140	1 x 0,65	L 620 x W 540 x H 350	AW32



Other types on request

type	water regime +90/+70°C			water regime +70/+60°C			water regime +50/+45°C		
	power (kW)	air temperature (°C)	water flow (l/h)	power (kW)	air temperature (°C)	water flow (l/h)	power (kW)	air temperature (°C)	water flow (l/h)
AW22	16,3	42	702	12,6	36	1 080	8,2	29	1 404
AW23	20,9	52	898	16,1	43	1 381	10,5	34	1 796
AW32	26,7	44	1 146	20,5	37	1 763	13,3	30	2 292

Power & air temperature are given for a 15°C recovery temperature.



Dual deflection grille

For AW22 & AW23 types
For AW32 type

code
GDD2
GDD3



Venturi jet grille

For AW22 & AW23 types
For AW32 type

code
GJV2
GJV3



Weekly programmable thermostat

code
TAP



Monophased 20A proximity switch

code
IPM



Wall support set

For AW22 & AW23 types
For AW32 type

code
KMF2
KMF36



Vertical metal beam support set

code
KPM234



Control panel

1 zone
1 zone, programmable

code
BCTAWF900
BCPAW900

Helicoidal air extract units

■ Low pressure air extract unit



Carbon steel frame with polyester coating - Steady polypropylene blades - Low sound level - IP44 - Temperature range: -25°C/+70°C.



max. flow (m³/h)	voltage (V AC)	power consumption (W)	sound pressure (Lp dB(A) at 3m)	speed (tr/mn)	code
1 000	1~230	55-65	50,5	1 400	VHIBPM254
1 350	1~230	55-70	54	1 400	VHIBPM304
1 500	1~230	95-105	71	2 800	VHIBPM252
1 850	1~230	85-95	66,5	1 400	VHIBPM354
1 000	3~400	55-70	53	1 400	VHIBPT254
1 400	3~400	65-80	53	1 400	VHIBPT304
1 900	3~400	90-100	61	1 400	VHIBPT354

■ High flow extract unit

Carbon steel frame with resistant atmospheric agent coating - Galvanised carbon steel blades - IP54 - Temperature range: -30°C/+50°C.



max. flow (m³/h)	voltage (V AC)	power consumption (W)	available pressure (Pa)	sound pressure (Lp dB(A) at 3m)	speed (tr/mn)	code
764	1~230	38	61	38,5	1 400	VHIM254
1 365	1~230	95	177	53	2 500	VHIM252
1 563	1~230	81	130	43	1 400	VHIM304
2 960	1~230	170	100	49,5	1 400	VHIM354
4 310	1~230	300	152	55,6	1 400	VHIM404
4 805	1~230	290	152	57,2	1 000	VHIM506
785	3~400	50	134	39	1 400	VHIT254
1 696	3~400	79	129	46	1 400	VHIT304
2 980	3~400	166	115	48,7	1 400	VHIT354
3 862	3~400	318	246	62,5	1 400	VHIT404
5 040	3~400	250	96	52,7	1 000	VHIT506
5 187	3~400	370	155	58	1 350	VHIT454
6 966	3~400	485	128	60,5	1 400	VHIT504
8 050	3~400	480	175	56,7	1 000	VHIT566
9 255	3~400	925	285	54,9	1 400	VHIT564
9 502	3~400	522	154	58	1 000	VHIT636

Other types with flow
up to 12 000 m³/h
on request

■ Accessories



Speed variator

For 1~230V AC

For 3~400V AC, flow up to 5040 m³/h

For 3~400V AC, flow above 5040 m³/h

code
SVHIBP
SVHIBPT
SVHIBPT3



Proximity switch

For 1~230V AC, 20A

For 3~400V AC, 25A

code
IPM
IPT



Spacer for panel installation

For 252/254 types

For 304 type

For 354 type

For 404 type

code
ENT250
ENT304
ENT354
ENT404



External protection grille

For 252/254 types

For 304 type

For 354 type

For 404 type

For 454/504/506 types

code
GS250
GS300
GS350
GS450
GS550



Gravity shutter grille

For 252/254 types

For 304 type

For 354 type

For 404 type

For 454/504/506 types

code
GVPI250
GVPI300
GVPI350
GVPI400
GVPI500



Other types
on request

Commercial use air fan

Commercial use fan - Air outlet aligned with air inlet - Proximity switch in series - Compact - 2 operating speeds - Extraction or insufflation - Indoor or outdoor all position installation - Wall or ceiling installation, without additional accessories - Low noise - Galvanised steel, 10/10° thickness - Removable rain-protection cover - Direct coupling motor with built-in thermal protection - Low consumption on request.



	flow (m³/h)	available pressure (Pa)	power consumption (W)	outlet/inlet (mm)	dimensions (mm)	code
	340	350	52	125	L 515 x W 235 x H 370	CM125
*	340	350	52	125	L 515 x W 260 x H 370	CMISO125
	355	350	52	160	L 515 x W 235 x H 370	CM160
*	355	350	52	160	L 515 x W 260 x H 370	CMISO160
	700	460	102	200	L 590 x W 260 x H 420	CM200
*	700	460	102	200	L 590 x W 285 x H 420	CMISO200
	940	550	155	250	L 540 x W 335 x H 450	CM250
*	940	550	155	250	L 540 x W 360 x H 450	CMISO250

* 25 mm mineral wool insulation.

NEW High efficiency decentralised dual flow air fan unit

Compact - Double-skinned carbon steel housing - 230V AC - IP54 - High efficiency reverse flow aluminium exchanger - EC motor with thermal protection - Filters with clogging detection pressostat - Electrical compartment - Proximity switch - Built-in clocks - Condensate tank - Flow control pressostat on each fan - 100% automatic by-pass - DIVA flow modulation - EASY regulation with MODBUS or BACNET protocol.



flow (m³/h)	pressure (Pa)	elec. defrost (kW)	water battery heating* (kW)	electric battery heating	
				code	code
660	300		2,5	CE0500PC	1 CE0500PE
660	300	1	2,5	CE0500IC	1 CE0500IE
770	300		4,1	CE0750PC	1,25 CE0750PE
770	300	1,25	4,1	CE0750IC	1,25 CE0750IE
1100	300		4,5	CE0900PC	1,25 CE0900PE
1100	300	1,25	4,5	CE0900IC	1,25 CE0900IE
1390	300		6,3	CE1100PC	1,25 CE1100PE
1390	300	1,25	6,3	CE1100IC	1,25 CE1100IE

* water regime 80/60°C, air inlet 15°C.

Differential thermostat (non mounted)



code
AMDD

NEW Digital remote control



code
TFTCN

Soft cuff



For CE0500 types
For other types

code
MS250
MS315

NEW Condensate lifting station



code
PMPCE

High density PE ducts

For heat recovery ventilation - Semi-rigid PEHD duct - Gaskets connection (no adhesive tape nor putty) - Antibacterial & antistatic - Socket mounting - Max. pressure: 2500 Pa - Temperature range: -25°C/+60°C.



Duct

Length 20 m
Length 50 m

Ø	code
75	CPH07520
90	CPH09020
75	CPH07550
90	CPH09050

"Clip" mounting flange



Ø	code
75	FIXPH075

Straight nipple



Ø	code
75	MPH075J
90	MPH090J

Rigid elbow 90°



Ø	code
75	COUPH075J
90	COUPH090J

Connection for plenum chamber

Reduction 75/90.



Ø	code
90	PF090J

NEW Distribution plenum chamber

1 outlet Ø125 - 6 outlets Ø75 - Requested adaptors for Ø90.



code
P06075

Distribution plenum chamber

1 outlet Ø125/160 - 8 outlets Ø75 - Requested adaptors for Ø90.



code
P08075

Aluminium ducts

For ventilation (and hot air distribution & air conditioning for insulated type) - Gear clamp connection - Adhesive tape tightness - Max. pressure: 3 000 Pa (except insulated type: 2 500 Pa) - Temperature range: -30°C/+250°C.



Flexible & sleek duct



3 m length

Ø	code
100	CAF10003
125	CAF12503
150	CAF15003
160	CAF16003
200	CAF20003

Soft & sleek duct



10 m length

Ø	code
100	CAS10010
125	CAS12510
150	CAS15010
160	CAS16010
200	CAS20010

Soft & insulated duct



10 m length,
25 mm fiber wool
insulation

Ø	code
100	CASLV2510010
125	CASLV2512510
150	CASLV2515010
160	CASLV2516010
200	CASLV2520010
250	CASLV2525010
315	CASLV2531510
125	CASOP2512510
160	CASOP2516010
200	CASOP2520010
250	CASOP2525010
100	CASLV5010010
125	CASLV5012510
150	CASLV5015010
160	CASLV5016010
200	CASLV5020010

10 m length,
25 mm polyester
wool insulation

10 m length,
50 mm glass wool
insulation



Monothread gear clamp



Ø	code
100	STM100
125	STM125
150	STM150
160	STM160
200	STM200
250	STM250
315	STM315

Coupling sleeve



Ø	code
100	M100
125	M125
150	M150
160	M160
200	M200

Reduction male/female (scoring fitting)



Ø	code
125-100	RMF125100
125-100-80	RMF12580
150-125	RMF150125
160-125	RMF160125
200-160	RMF200160



Nylon gear clamp

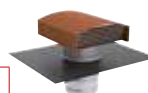


Ø	code
80-125	STN080125
125-160	STN125160

Coupling sleeve with gasket



Ø	code
250	MMGJ250
315	MMGJ315



Metal roof outlet cap

Ø	code
125	CTTM125
160	CTTM160
200	CTTM200
250	CTTM250
315	CTTM315
355	CTTM355
400	CTTM400

Aluminium adhesive tape



50 m x 50 mm

code
BAN50

Reinforced adhesive tape



50 m x 50 mm

code
BANR50

Expanded polyethylene ducts

For dual flow ventilation, air intake & air extract for thermodynamic water heaters - Rigid EPE ducts & fittings - Easy use - Clamp connection (no adhesive tape nor putty) - Insulation thickness: 16 mm - Density: 30 kg/m³ - Temperature range: -30°C/+60°C.



Duct



2 m length

Ø	code
160	CPE16002

Sold by multiple of 6.

Soft adhesive tightness set



Ø	code
160	KESCPE160

ISO elbow 90°



Ø	code
160	COUPE90160

Clamp



Ø	code
160	FIXPE160

Plastic straight socket



Ø	code
160	MPE160

ISO elbow 45°



Ø	code
160	COUPE45160

Stainless steel air intake



Ø	code
160	PAFI160

Network accessories

Manually adjustable air extract units



Plastic air extract & air intake

Ø	code
100	BRP100
125	BRP125
160	BRP160
200	BRP200

Metal air extract & air intake

Ø	code
100	BRM100
125	BRM125
160	BRM160
200	BRM200

Stainless steel air extract & air intake

Ø	code
100	BTRX100
125	BTRX125
160	BTRX160
200	BTRX200

Plastic air extract & air intake

Ø	code
125	BR125

Square air intake

Ø	code
100	BFGD100
125	BFGD125
160	BFGD160
200	BFGD200

Metal socket

Ø	code
100	MTG100100
125	MTG125100
160	MTG160100
200	MTG200100

Flow regulator

Adjustable

dimension mm	flow section (cm²)	code
100	15-50	RDR10030
100	50-100	RDR10075
125	15-50	RDR12530
125	50-100	RDR12575
125	100-180	RDR125120

Self-adjusting extract unit

Single flow

flow (m³/h)	code
15	BTA15
30	BTA30
45	BTA45
60	BTA60
75	BTA75
90	BTA90

Cuff with gasket

Ø (mm)	code
100	MJ100
116	MJ116
125	MJ125

Ceiling diffuser

Aluminium circular (with adjustable ABS central cone)

Ø	ext. dimension (mm)	flow (m³/h)	code
160	288	200-600	BTOR160
200	370	200-900	BTOR200
250	461	300-1200	BTOR250

Wall deflection grille

Dual deflection

dimension mm	flow (m³/h)	code
300 x 100	60-360	GSDABLC3010
400 x 100	100-500	GSDABLC4010
300 x 150	120-620	GSDABLC3015
400 x 150	160-860	GSDABLC4015
400 x 200	220-1220	GSDABLC4020

Plenum

ABS with rear outlet & adjustable flow (for deflection grid)

dimension mm	Ø (mm)	code
300 x 100 x 110	160-200	PGPA3010
400 x 100 x 110	160-200	PGPA4010
300 x 150 x 110	160-200	PGPA3015
400 x 150 x 110	160-200-250	PGPA4015
400 x 200 x 110	200-250	PGPA4020

Aluminium ventilation grilles with mosquito net

White pre-lacquered rectangle

dimension mm	flow (m³/h)	code
150 x 50	13	GABLAM1505F13B
250 x 50	25	GABLAM2505F25B
400 x 50	44	GABLAM4005F44B
200 x 100	50	GABLAM2010F50B
100 x 200	50	GABLAM1020F50B
300 x 100	66	GABLAM3010F66B
300 x 150	80	GABLAM3015F80B
150 x 300	80	GABLAM1530F80B
300 x 200	125	GABLAM3020F128B
400 x 200	183	GABLAM4020F100B

Anodised aluminium rectangle

dimension mm	flow (m³/h)	code
200 x 100	50	GAGRAM2010F50B
100 x 200	50	GAGRAM1020F50B
300 x 100	66	GAGRAM3010F66B
300 x 150	80	GAGRAM3015F80B
150 x 300	80	GAGRAM1530F80B
300 x 200	125	GAGRAM3020F128B
400 x 200	183	GAGRAM4020F100B

White pre-lacquered square

dimension mm	flow (m³/h)	code
100 x 100	25	GABLAM1010F25B
150 x 150	60	GABLAM1515F60B
170 x 170	150	GABLAM1717F150B
200 x 200	95	GABLAM2020F95B
250 x 250	150	GABLAM2525F150B
300 x 300	240	GABLAM3030F240B

Anodised aluminium square

dimension mm	flow (m³/h)	code
100 x 100	25	GAGRAM1010F25B
150 x 150	60	GAGRAM1515F60B
170 x 170	150	GAGRAM1717F150B
200 x 200	95	GAGRAM2020F95B
250 x 250	150	GAGRAM2525F150B
300 x 300	240	GAGRAM3030F240B

Air extract units



Low consumption silent intermittent air extract unit

ABS anti-UV cover - White color - 230V AC - IP45 - Insulation class II - Thermal circuit breaker - Polypropylene conical propeller - ABS check valve - Max. temperature use: 50°C.

NEW

max. flow (m³/h)	pressure (Pa)	consumption (W)	sound pressure (Lp dB(A) at 3m)	standard code	tempo code
90	39	9	26,9	XEF100	XEFT100
175	49	13	32,3	XEF120	XEFT120

Ultra thin cover air extract unit

ABS anti-UV cover - White color - 230V AC - IPX4 - Insulation class II - Long life motor - Thermal circuit breaker - Polypropylene propeller - Mylar check valve - Max. temperature use: 50°C.

NEW

max. flow (m³/h)	pressure (Pa)	consumption (W)	sound pressure (Lp dB(A) at 3m)	standard code	tempo code
85	29	15	31	XF100	XFT100
175	49	20	34,4	XF120	XFT120
335	59	28	40,1	XF150	XFT150

Universal short depth air extract unit

ABS anti-UV cover - White color - 230V AC - IPX4 - Insulation class II - Thermal circuit breaker - Polypropylene propeller - Max. temperature use: 50°C.

max. flow (m³/h)	pressure (Pa)	consumption (W)	sound pressure (Lp dB(A) at 3m)	standard code	tempo code
90	29	18	37,5	XP100	XPT100
175	44	20	39,5	XP120	XPT120
335	59	30	46	XP150	XPT150

Centrifugal air extract unit

NEW

Self-extinguishing (acc. to UL norm) polypropylene body - 230V AC - IP44 - Insulation class II - 2-speed rotation motor - Thermal circuit breaker - Polypropylene impeller - Max. temperature use: 60°C.

max. flow (m³/h)	pressure (Pa)	consumption (W)	sound pressure (Lp dB(A) at 3m)	standard code	tempo code
155/200	64/74	12/15	29,4/37,9	XL100Q	XLT100Q
180/255	127/162	20/23	30,7/39,4	XL100	XLT100
250/365	127/167	25/33	33,9/43	XL125	XLT125
385/550	206/265	40/58	41,4/50,5	XL150	XLT150

Speed variator

code
SX

Window mounting set

code
For 100 type KVP100
For 120 type KVP120
For 150 type KVP150

Exterior air extract grille

code
Ø 100 mm GF100
Ø 150 mm GF150

Non-return pressure relief damper grid

code
For 100 type GVP100
For 120 type GVP125
For 150 type GVP160

Heat recovery air extract unit

ABS cover - White color - 230V AC - IPX2 - ABS adjustable shutter - Washable G4 filter - Heat accumulator in honeycomb ceramic - 5-speed & low consumption EC (brushless) motor - 3-mode function: heat recovery, air extract, air intake - Sound comfort: Lp = 19 dB(A) at 3 m - Infrared remote control, humidity & brightness probe (hygrostat) for XWTH types.

type	max. flow (m³/h)	consumption (W)	sound pressure (Lp dB(A) at 3m)	code
standard	30	4	19,1 to 49,2	XW30
hygrostat	30	4	19,1 to 49,2	XWTH30
standard	40	5	19,0 at 31,8	XW40
hygrostat	40	5	19,0 at 31,8	XWTH40

Pipe for wall installation (max. thickness 700 mm)

code
For XW30 & XW30TH types TUBXW30
For XW40 & XW40TH types TUBXW

3 spare filter set

code
For XW30 & XW30TH types KFXW30
For XW40 & XW40TH types KFXW





Tight reversible air conditioning unit



Hot/cold reversible - No external unit - Wall installation - Galvanised carbon steel housing - Oscillating fin - Anti-dust washable filter - 3 speed air intake tangential motor - Thermal exchanger centrifugal motor - Inverter compressor - R290 ecofriendly refrigerant gas - 230V AC - IPX0 - Insulation class I - LCD screen control - Tuya smart wifi connection - Infrared remote control - Supplied with installation accessories (supports, bolts, external grilles, duct).

max. flow (m³/h)	max. heating (W)	max cooling (W)	room volume (m³)/(m²)	dehumidification capacity l/j at 30°, 50% HR	EER/COP	sound pressure (Lp dB(A) at 3m)	code
500	2 930	2 350	90/36	20	2,6/3,1	31	CMM3000

Wall & floor supports

Wall support

Epoxy resin coated galvanised carbon steel - Fastener, spirit level & vibration damper feet included.



width (mm)	height (mm)	arm length (mm)	weight (kg)	code
780	375	420	150	SUPME42
780	375	450	150	SUPME45
780	375	500	160	SUPME50
780	375	550	160	SUPME55

Accessories included



Vibration damper conical floor support

PVC - Height 80 mm -
Ø 105 mm - Max. weight 200 kg.



code
SUPSC

Floor support

PVC - 80x80 mm - Length
450 mm - Max. weight
300 kg - RA9013 - Fastener
(M10) included - Sold by 2.



code
SUPS8045X2

SBR rubber floor support

130x95 mm - Fastener (M10) included - Sold by 2.



length (mm)	max. weight (kg)	code
400	180	SUPSN40X2
600	300	SUPSN60X2

Condensate discharge

Discharge hose

Rigid PVC spiral hose -
Length 30 m - Ø 16 mm.



code
TUYS1630

Discharge hose

Soft PVC creased pipe -
Length 50 m - Ø 16 mm.



code
TUYA1650

Tee

For spiral or creased pipe -
Ø 16 & 20 mm - Sold by 20.



code
TTUY16X20

Socket fitting

For spiral or creased pipe -
Ø 16, 18 & 20 mm - Sold
by 20.



code
MTUY16X20

Asymmetrical Y fitting

For spiral or creased pipe -
Ø 16 & 18 mm - Sold by 20.



code
YTUY16X20

Symmetrical Y fitting

Transparent - For spiral or
creased pipe - Ø 16, 18 & 20
mm - Sold by 20.



code
Y2TUY16X20

Siphon

Transparent PVC - For
spiral or creased pipe -
Ø 16, 18 & 20 mm - Sold
by 10.



code
STUY16X10

Condensate pump discharge hose

Food use transparent PVC -
TS: -15°C to +60°C - Length
50 m - Ø ext. 6, Ø int. 9.



code
TUYC6950

Condensate lifting station, see page 467



Quick fitting

For connection of spiral or creased
pipe to condensate tank.



Ø (mm)	code
* 16 (yellow)	RR16X5
* 18 (red)	RR18X5
* 20 (blue)	RR20X5
25 (green)	RR25
32 (grey)	RR32

* Ø 16 to 20, sold by 5.