

# Catalogue 2016



# Brief overview of changes

## against 2015

### New:

• Solar Collector KPR1+	4
• Solar Controllers with output for high-efficiency pump control	14
• Solar Pump Stations with high-efficiency pumps	15
• Hot Water Storage Tank with 1 heating heat exchanger, wall-hung RDC 200 Z	24
• HSK Thermal Stores with separating metal sheet and DHW heating in stainless-steel tube HE	27
• PS Thermal Stores with high quality insulation incl. bottom insulation	30 - 31
• Brass Sheaths for temperature sensors in thermal stores and tanks	33
• ETT-M Electric Heating Element, nickel-plated, with longer non-heating end	36
• Room Unit for IR Controllers, with display	44
• Flow Switches with G 6/4" connections, 700 l/h switch-on flow rate	51
• BVTs Thermal Safety Relief Valve, detachable capillary	53
• CSE MIX Insulated Pump Stations, electric actuated mixing	58
• TV MIX Hot Water Thermostatic Mixing Valves, with check valves	67
• Wide range of Safety Valves	68
• Pipe Fittings to connect boilers and hydronic fireplaces to heating system	69
• Pressure Reducing Valves	70

### Final Sale:

• Pump Stations	15,35,57
• Electric Heating Elements	36

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KPR1+ ANT flat plate solar collector - harp type absorber, 7 year warranty		Code
  	<p>KPR1+ ANT Solar collector for portrait installation, 203x103x9 cm, collector area 2.08 sqm, fluid volume 1.37 l, max. output 1423 W, grey antracit aluminium frame, tempered low-iron glass, harp type absorber with TiNOx highly selective surface on aluminium sheet, laser welded to copper pipes, connection with 4 copper pipes 22 mm BAFA approved, Solar Keymark certified</p>	14 837
	Mount kits for fixing and connecting KPR1+ ANT solar collectors	Code
	Connection kit for KPC, KPR, KPG1 and KTU collector array (G3/4" M inlet and outlet, 2 plugs, G3/8" F for air vent, sensor sheath)	7 710
	Mount kit for 1 KPR1+ ANT solar collector *(for 4 anchors or 2 supports+1 strut)	12 178
	Mount and interconnection kit for 2 KPR1+ ANT collectors *(for 6 anchors or 3 supports+1 strut)	12 179
	Mount and interconnection kit for 3 KPR1+ ANT collectors *(for 8 anchors or 4 supports+1 strut)	12 180
	Mount and interconnection kit for 4 KPR1+ ANT collectors *(for 10 anchors or 5 supports+1 strut)	12 181
	Mount and interconnection kit for 5 KPR1+ ANT collectors *(for 10 anchors or 5 supports+1 strut)	12 182
	Extension kit for fixing and interconnecting 1 KPR1+ ANT solar collector *(for 4 anchors or 2 supports+1 strut)	12 183
KPR11+ ANT flat plate solar collector - harp type absorber, 7 year warranty		Code
  	<p>KPR11+ ANT Solar collector for portrait installation, 203x123x9 cm, collector area 2.49 sqm, fluid volume 1.64 l, max. output 1706 W, grey antracit aluminium frame, tempered low-iron glass, harp type absorber with TiNOx highly selective surface on aluminium sheet, laser welded to copper pipes, connection with 4 copper pipes 22 mm BAFA approved, Solar Keymark certified</p>	14 838
	Mount kits for fixing and connecting KPR11+ ANT solar collectors	Code
	Connection kit for KPC, KPR, KPG1 and KTU collector array (G3/4" M inlet and outlet, 2 plugs, G3/8" F for air vent, sensor sheath)	7 710
	Mount kit for 1 KPR11+ ANT solar collector *(for 4 anchors or 2 supports+1 strut)	12 184
	Mount and interconnection kit for 2 KPR11+ ANT collectors *(for 6 anchors or 3 supports+1 strut)	12 185
	Mount and interconnection kit for 3 KPR11+ ANT collectors *(for 8 anchors or 4 supports+1 strut)	12 186
	Mount and interconnection kit for 4 KPR11+ ANT collectors *(for 10 anchors or 5 supports+1 strut)	12 187
	Extension kit for fixing and interconnecting 1 KPR11+ ANT Solar Collector *(for 4 anchors or 2 supports+1 strut)	12 188





\* Mount and interconnection kits are intended to form a collector array using base rails and pipe fittings with insulation. They contain neither roof anchors nor struts, these shall be ordered from Page 9 depending on the roof and tile type.

<b>KPG1 flat plate solar collector - harp type absorber</b>		<b>Code</b>
  	<p>KPG1 Solar collector for landscape/portrait installation, 215x117x8 cm, collector area 2.52 sqm, fluid volume 1.7 l, max. output 1816 W, silver aluminium frame, tempered low-iron glass, harp type absorber with TiNOx highly selective surface on aluminium sheet, laser welded to copper pipes, connection with 4 copper pipes 22 mm, SVT 531 BAFA approved, Solar Keymark certified</p>	10 336
	<b>Mount kits for fixing and connecting KPG1 solar collectors</b>	<b>Code</b>
	Connection kit for KPC, KPR, KPG1 and KTU collector array (G3/4" M inlet and outlet, 2 plugs, G3/8"F for air vent, sensor sheath)	7 710
	Mount kit for 1 KPG1 solar collector *(for 4 anchors or 2 supports+1 strut)	10 538
	Mount and interconnection kit for 2 KPG1 collectors *(for 6 anchors or 3 supports+1 strut)	10 539
	Mount and interconnection kit for 3 KPG1 collectors *(for 8 anchors or 4 supports+1 strut)	10 540
	Mount and interconnection kit for 4 KPG1 collectors *(for 10 anchors or 5 supports+1 strut)	10 541
	Mount and interconnection kit for 5 KPG1 collectors *(for 12 anchors or 6 supports+1 strut)	14 067
	Extension kit for fixing and interconnecting 1 KPG1 Solar Collector *(for 4 anchors or 2 supports+1 strut)	11 986
	<b>Mount kits for fixing and connecting KPG1 solar collectors - horizontally</b>	<b>Code</b>
	Connection kit for landscape KPG1 collector array (G3/4" M inlet and outlet, 2 plugs, G3/8"F for air vent, sensor sheath)	14 134
	Mount kit for landscape installation of 1 KPG1 solar collector *(for 4 anchors or 2 supports+1 strut)	10 700
	Mount and interconn. kit for landscape installation of 2 KPG1 *(for 6 anchors or 3 supports+1 strut)	10 701
	Extension kit for landscape fixing and interconn. 1 KPG1 Solar Coll. *(for 4 anchors or 2 supports+1 strut)	11 987
<b>Landscape KPG1H flat plate solar collectors, double harp, 7 year warr.</b>		<b>Code</b>
 	<p>KPG1H Solar collector for landscape installation, 117x215x8 cm, collector area 2.52 sqm, fluid volume 1.7 l, max. output 1816 W, silver aluminium frame, solar prismatic glass, double harp type absorber with TiNOx highly selective surface on aluminium sheet, laser welded to copper pipes, connection with 2 copper pipes 22 mm, SVT 7048</p>	11 427
	<b>Mount kits for fixing and connecting landscape KPG1H solar collectors</b>	<b>Code</b>
	Connection kit for KPG1H collector array (G3/4" M inlet and outlet, 2 plugs, G3/8"F for air vent, sensor sheath)	14 618
	Mount kit for installation of 1 KPG1H solar collector *(for 4 anchors or 2 supports+1 strut)	10 700
	Mount and interconn. kit for installation of 2 KPG1H *(for 6 anchors or 3 supports+1 strut)	14 517
	Extension kit for installation and connection of 1 KPG1H solar coll. *(for 4 anchors or 2 supports+1 strut)	14 518

\* Mount and interconnection kits are intended to form a collector array using base rails and pipe fittings with insulation. They contain neither roof anchors nor struts, these shall be ordered from Page 9 depending on the roof and tile type.

KPI flat plate solar collector for in-roof installation - 7 year warranty		Code
  	KPI1 DC Solar collector for portrait installation, 206x122 x10 cm, collector area 2.52 sqm, fluid volume 1.7 l, max. output 1808 W, wooden frame, solar glass, double harp type aluminum absorber with TiNOx highly selective surface, connection with 2 copper pipes 22 mm, SVT 535	11 237
	Mount kits for fixing and connecting KPI1 solar collectors	Code
	Connection kit for one KPI1 collector field (G3/4" M inlet and outlet)	11 374
	In-roof mount kit for 1 KPI1 solar collector	11 335
	In-roof mount kit for 2 KPI1 solar collectors	11 329
	In-roof mount kit for 3 KPI1 solar collectors	11 336
	In-roof mount kit for 4 KPI1 solar collectors	11 337
	In-roof mount kit for 2 (2x1) KPI1 solar collectors in 2 rows	11 338
	In-roof mount kit for 4 (2x2) KPI1 solar collectors in 2 rows	11 339
	In-roof mount kit for 6 (2x3) KPI1 solar collectors in 2 rows	11 340
Solar thermosyphon systems		
  	TSN - tank above the collector	Code
	TSN160/2,1 thermosyphon system, complete solar thermosyphon system for outdoor use, with enameled tank 160 l above the collector and one solar collector 2.09 sqm with TiNOx full plate absorber.	11 126
	TSN200/2,5 thermosyphon system, complete solar thermosyphon system for outdoor use, with enameled tank 200 l above the collector and one solar collector 2.5 sqm with TiNOx full plate absorber.	10 637
	TSN300/4,2 thermosyphon system, complete solar thermosyphon system for outdoor use, with enameled tank 300 l above the collectors and two solar collectors 2.09 sqm with TiNOx full plate absorber.	11 127
	TSD - tank behind the collector	Code
	TSD160/2,1 thermosyphon system, complete solar thermosyphon system for outdoor use, with enameled tank 160 l behind the collector and one solar collector 2.09 sqm with TiNOx full plate absorber.	10 639
	TSD200/2,5 thermosyphon system, complete solar thermosyphon system for outdoor use, with enameled tank 200 l behind the collector and one solar collector 2.5 sqm with TiNOx full plate absorber.	11 128
	TSD300/4,2 thermosyphon system, complete solar thermosyphon system for outdoor use, with enameled tank 300 l behind the collectors and two solar collectors 2.09 sqm with TiNOx full plate absorber.	12 686
	Accessories to thermosyphon systems	Code
	STV1-95 R Thermostatic solar valve 95 °C, protects sanitary water tank of thermosyphonic system against overheating.	10 846
     	STV1-115 R Thermostatic solar valve 115 °C, protects sanitary water tank of thermosyphonic system against overheating.	11 165
	SZV1 3/4" MF solar non return valve, for t.s. systems with sanitary water tank behind the collector. In TSD sets included.	10 663
	PTR valve Pressure and temperature release valve for protection the tank against hi pressure or overheating the sanitary water tank.	15 534
	Expansion vessel Stainless steel expansion vessel is suggested to use for high temperature working conditions.	15 453









KTU 10 Evacuated tube solar collectors - 7 years warranty		Code
  	KTU 10 solar collector for portrait installation, 197x92x14 cm, 10 U-pipes, collector area 1.81 sqm, fluid volume 1.7 l, max. output 727 W, silver frame, borosilicate glass, connection with 4 copper pipes 22 mm, SVT 538	7 126
	<b>Mount kits for fixing and connecting KTU 10 solar collectors</b>	<b>Code</b>
	Connection kit for KPC, KPR, KPG1 and KTU collector array (G3/4" M inlet and outlet, 2 plugs, G3/8" F for air vent, sensor sheath)	7 710
	Mount kit for 1 KTU 10 solar collector **(for 4 anchors or 2 supports + 1 strut)	7 415
	Mount and interconnection kit for 2 KTU 10 collectors **(for 6 anchors or 3 supports + 1 strut)	7 241
	Mount and interconnection kit for 3 KTU 10 collectors **(for 8 anchors or 4 supports + 1 strut)	7 242
	Mount and interconnection kit for 4 KTU 10 collectors **(for 10 anchors or 5 supports + 1 strut)	7 243
	Mount and interconnection kit for 5 KTU 10 collectors **(for 10 anchors or 5 supports + 1 strut)	7 244
	Extension kit for fixing and interconnecting 1 KTU 10 Solar Coll. *(for 4 anchors or 2 supports + 1 strut)	11 991
KTU 15 Evacuated tube solar collectors - 7 years warranty		Code
  	KTU 15 solar collector for portrait installation, 197x135x14 cm, 15 U-pipes, collector area 2.66 sqm, fluid volume 2.4 l, max. output 1090 W, silver frame, borosilicate glass, connection with 4 copper pipes 22 mm, SVT 539	7 127
	<b>Mount kits for fixing and connecting KTU 15 solar collectors</b>	<b>Code</b>
	Connection kit for KPC, KPR, KPG1 and KTU collector array (G3/4" M inlet and outlet, 2 plugs, G3/8" F for air vent, sensor sheath)	7 710
	Mount kit for 1 KTU 15 solar collector *(for 4 anchors or 2 supports + 1 strut)	7 414
	Mount and interconnection kit for 2 KTU 15 collectors *(for 6 anchors or 3 supports + 1 strut)	7 245
	Mount and interconnection kit for 3 KTU 15 collectors *(for 8 anchors or 4 supports + 1 strut)	7 246
	Mount and interconnection kit for 4 KTU 15 collectors *(for 10 anchors or 5 supports + 1 strut)	7 247
	Extension kit for fixing and interconnecting 1 KTU 15 Solar Collector *(for 4 anchors or 2 supports + 1 strut)	11 990

\* Mount and interconnection kits are intended to form a collector array using base rails and pipe fittings with insulation. They contain neither roof anchors nor struts, these shall be ordered from Page 9 depending on the roof and tile type.

KTU 6R2 Evacuated tube solar collectors with a special reflective sheet		Code
  	KTU 6R2 solar collector for portrait installation, 197x92x14 cm, 6 U-pipes with highly reflective sheet, collector area 1.81 sqm, fluid volume 0.92 l, max. output 1012 W, silver frame, borosilicate glass, connection with 4 copper pipes 22 mm, SVT 541	7 343
	Mount kits for fixing and connecting KTU 6R2 solar collectors	Code
	Connection kit for KPC, KPR, KPG1 and KTU collector array (G3/4" M inlet and outlet, 2 plugs, G3/8" F for air vent, sensor sheath)	7 710
	Mount kit for 1 KTU 6R2 solar collector *(for 4 anchors or 2 supports + 1 strut)	7 415
	Mount and interconnection kit for 2 KTU 6R2 collectors *(for 6 anchors or 3 supports + 1 strut)	7 241
	Mount and interconnection kit for 3 KTU 6R2 collectors *(for 8 anchors or 4 supports + 1 strut)	7 242
	Mount and interconnection kit for 4 KTU 6R2 collectors *(for 10 anchors or 5 supports + 1 strut)	7 243
	Mount and interconnection kit for 5 KTU 6R2 collectors *(for 10 anchors or 5 supports + 1 strut)	7 244
	Extension kit for fixing and interconnecting 1 KTU 6R2 Solar Coll. *(for 4 anchors or 2 supports+1 strut)	11 991
KTU 9R2 Evacuated tube solar collectors with a special reflective sheet		Code
  	KTU 9R2 solar collector for portrait installation, 197x135x14 cm, 9 U-pipes with highly reflective sheet, collector area 2.66 sqm, fluid volume 1.37 l, max. output 1522 W, silver frame, borosilicate glass, connection with 4 copper pipes 22 mm, SVT 542	7 342
	Mount kits for fixing and connecting KTU 9R2 solar collectors	Code
	Connection kit for KPC, KPR, KPG1 and KTU collector array (G3/4" M inlet and outlet, 2 plugs, G3/8" F for air vent, sensor sheath)	7 710
	Mount kit for 1 KTU 9R2 solar collector *(for 4 anchors or 2 supports + 1 strut)	7 414
	Mount and interconnection kit for 2 KTU 9R2 collectors *(for 6 anchors or 3 supports + 1 strut)	7 245
	Mount and interconnection kit for 3 KTU 9R2 collectors *(for 8 anchors or 4 supports + 1 strut)	7 246
	Mount and interconnection kit for 4 KTU 9R2 collectors *(for 10 anchors or 5 supports + 1 strut)	7 247
	Extension kit for fixing and interconnecting 1 KTU 9R2 Solar Collector *(for 4 anchors or 2 supports+1 strut)	11 990

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Solar collector support brackets for flat roofs		Code
	Triangle support bracket 15°	11 979
	Triangle support bracket 25°	10 975
	Triangle support bracket 45°	6 859
	Strut incl. screws for triangle support brackets - flat roof	9 563
Solar collectors support brackets, flat roof, for landscape KPG1 collectors		Code
	Triangle support bracket 25°	10 907
	Triangle support bracket 45°	10 921
	Strut incl. screws for triangle support brackets, flat roof, for landscape KPG1	10 908
Wall support brackets for collectors		Code
	15° wall support bracket for KPG1H – solar awning	14 792
	25° wall support bracket for KPG1H – solar awning	14 793
	45° wall support bracket for KPG1H – solar awning	14 794
Anchors for inclined roofs		Code
	Stainless-steel anchor for pantiles	6 857
	Hot-dipped galvanized steel anchor for pantiles	7 929
	Stainless-steel anchor for slate tiles	11 574
	Stainless-steel anchor for pantiles, for roof rafters, incl. self tapping screws	10 159
	Aluminum anchor for pantiles, for roof rafters, adjustable height	6 932
	Bolt with clamp for fixing rails onto a roof	7 320
	Roof bolt gasket	8 891
Triangle support brackets for inclination adjustment, for inclined roofs		Code
	15° Triangle support bracket	10 748
	25° Triangle support bracket	8 805
	45° Triangle support bracket	10 094
	60° Triangle support bracket	x 9 631
Triangle support brackets for inclination adjustment, for horizontal KPG1 and KPG1H, for inclined roofs		Code
	Triangle support bracket 15° for KPG1 and KPG1H landscape installation	11 070
	Triangle support bracket 25° for KPG1 and KPG1H landscape installation	11 071
	Triangle support bracket 45° for KPG1 and KPG1H landscape installation	11 072

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Spare parts for mount and connection kits for solar collectors			Code
	Aluminum base rail, 6.15 m	price for 6.15 m	7 009
	Base rail by meter (max. length 6.15 m)	price for 1 m	6 949
	Extension kit for aluminum rail connection (1 connection)		10 201
	Base rail end plug		11 773
	M8 Travelling nut for base rail		6 925
	M8x18 stainless-steel bolt for KTU		7 259
	M8x16 stainless-steel bolt for KPG1		6 926
	M8x20 stainless-steel bolt for KPC+, KPS+		12 136
	M8x30 bolt+nut+washer, travelling head, for base rail slot		8 383
	Fixing bracket for KPG bottom rail - stainless steel		13 057
	Fixing bracket for KPC+, KPS+ bottom rail		11 690
	Retaining side bracket for KPC+, KPS+		12 141
	Retaining stainless-steel side bracket for KPG		10 522
	Retaining side bracket between 2 KPG collectors with bolt		10 673
	Washer for hanging KTU solar collector		7 255
	<b>Threaded couplers and fittings</b>		<b>Code</b>
	X-piece for 22 mm Cu pipes for collector outlet,, 3/4" M for outlet, 1/2" F for sheath, 3/8" F with plug for air vent valve		13 716
	Elbow for 22 mm Cu pipes, 3/4"M – for collector inlet		13 694
	Hex fitting+nuts for Cu pipes, 22mm to 3/4"		7 629
	Blind hex fitting for 22 mm Cu pipes		13 696
	Straight hex fitting, 22 mm to 3/4"M (no plug)		13 695
	Gasket for DN22 copper pipes		7 330
	1/2" Plug with gasket		7 634
	3/8" Plug with gasket		7 956
	Gasket for solar systems - 17x24x1,5 - 3/8" for code 13716		7 794
	Gasket for solar systems - 21x27x1,5 - 1/2" for code 7634		7 795
	Gasket for solar systems - 27x34x1,5 - 3/4" for code 13696		7 796

Valves for solar thermal systems		Code
  	Automatic air vent valve, G3/8", bottom connection, up to 150 °C	6 118
	Ball valve, G 3/8" M/F, up to 160 °C, under an air vent valve	7 250
	Safety valve, G 1/2" F, 6 bar, up to 140 °C, for solar systems	1 616
Air separators and accessories		Code
  	SPVS 3/4" Horizontal brass air separator, connection 2x 3/4"M, 3/8"F connection to air vent	11 591
	Horizontal air separator, connection 2x Cu 22, with stainless steel strainer, 3/8"F connection to air vent	8 510
	Vertical air separator with G3/4" M/F vertical air vent, manually operated	11 224
Air bleed kits		Kód
 	Kit of air separator and air vent valve for solar systems	13 308
	Insulation set for air separator and air vent valve	13 197
Filling valve assembly for solar systems		Code
 	Filling valves with 2x Cu 28 mm connections	11 643
	Filling valves with 2x G 1" F connections	11 644
Flow rate regulators for solar thermal systems		Code
    	Flow rate regulator with indication 2-12 l/min, 3/4"M	7 780
	Flow rate regulator with indication 8-28 l/min, 1"M	9 593
	Flow rate regulator with indication 8-28 l/min, 3/4"M	7 781
	Flow rate regulator with indication 20-70 l/min, 6/4"M	10 594
	6/4" cap nut + gasket for flow rate regulator	13 259
Balancing valves for solar thermal systems		Code
  	AV23 balancing valve with indication 2-12 l/min, G3/4" F/F, 185 °C	7 982
	AV23 balancing valve with indication 10-40 l/min, G1" F/F, 185 °C	8 232
	AV23 balancing valve with indication 20-70 l/min, G5/4" F/F, 100 °C	8 022

Antifreeze fluid for Regulus solar collectors		
   	» SOLARTEN SUPER is a fluid based on mono propylene glycol. Extended warranty for Regulus flat plate collectors is valid only when this fluid is used.	<b>Code</b>
	Solarten super, 5 l packing	10 109
	Solarten super, 10 l packing	10 110
	Solarten super, 25 l packing	10 069
	Solarten super, 60 l packing	10 111
	Solarten super, 200 l packing	10 112
	» SOLARTEN HT is a fluid based on heavy glycols with a low freezing point for thermally highly stressed solar thermal systems. It must not be mixed with Solarten Super fluid. Extended warranty for Regulus evacuated-tube collectors is valid only when this fluid is used.	<b>Code</b>
	Solarten HT, 5 l packing	14 951
	Solarten HT, 10 l packing	14 095
	Solarten HT, 25 l packing	14 096
	Solarten HT, 60 l packing	14 952
	Solarten HT, 200 l packing	14 953
Accessories for handling antifreeze fluid		Code
   	Refractometer - for measurements of antifreeze fluid properties in solar systems	6 933
	Manual filling pump for solar thermal systems	15 111
	Electric filling pump for filling solar systems from a 25 l plastic container, DIN61 conn. thread	9 688
	Filling push cart for solar systems, 1.1 kW power consumption. Max. volume flow 60 l/min., max. working pressure 5 bar	9 561
Expansion vessels for solar thermal systems		Code
 	12 l Expansion Vessel, 8 bar, 3/4" M	13 720
	18 l Expansion Vessel, 8 bar, 3/4" M	13 721
	25 l Expansion Vessel, 8 bar, 3/4" M	13 722
	40 l Expansion Vessel, 8 bar, 3/4" M	13 723
	50 l Expansion Vessel, 10 bar, 3/4" M, legs, replaceable bladder	13 724
	80 l Expansion Vessel, 10 bar, 3/4" M, legs, replaceable bladder	13 725
	100 l Expansion Vessel, 10 bar, 1" M, legs, replaceable bladder	13 726
	150 l Expansion Vessel, 10 bar, 6/4" M, legs, replaceable bladder	13 727
	200 l Expansion Vessel, 10 bar, 6/4" M, legs, replaceable bladder	13 728
	300 l Expansion Vessel, 10 bar, 6/4" M, legs, replaceable bladder	13 729
	500 l Expansion Vessel, 8 bar, 6/4" M, legs, replaceable bladder	x 13 730
Service valves for expansion vessels		Code
    	3/4" Service Valve for expansion vessels connection and easy servicing	8 770
	1" Service Valve for expansion vessel connection and easy servicing	12 295
	6/4" Service Valve for expansion vessel connection and easy servicing	14 492
	Exp. vessel bracket for wall mount with connection valve 3/4"	7 766
	Exp. vessel bracket	12 174
	Stainless-steel connecting pipe 2x 3/4"F - 0.5 m	9 156

x - upon order



**SOLARFLEX A - DUO, pre-insulated twinway stainless-steel tubes with cable in EPDM insulation, for solar systems with insulation surface protection only**
















<b>insulation thickness of 13 mm</b>	<b>Code</b>
Twinway DN 12 stainless-steel tube, 10 m, incl. 4 nuts with lock rings and rim nipple	12 929
Twinway DN 12 stainless-steel tube, 15 m, incl. 4 nuts with lock rings and rim nipple	12 919
Twinway DN 12 stainless-steel tube, 50 m	14 901
Twinway DN 16 stainless-steel tube, 10 m, incl. 4 nuts with lock rings and rim nipple	9 916
Twinway DN 16 stainless-steel tube, 15 m, incl. 4 nuts with lock rings and rim nipple	9 619
Twinway DN 16 stainless-steel tube, 50 m	10 564
Twinway DN 20 stainless-steel tube, 10 m, incl. 4 nuts with lock rings and rim nipple	9 917
Twinway DN 20 stainless-steel tube, 15 m, incl. 4 nuts with lock rings and rim nipple	9 620
Twinway DN 20 stainless-steel tube, 50 m	10 565

**SOLARFLEX A - MONO, pre-insulated single stainless-steel pipe in EPDM insulation, for solar systems with insulation surface protection only**


<b>insulation thickness of 13 mm</b>	<b>Code</b>
DN 12 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12 895
DN 12 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12 897
DN 12 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12 896
DN 12 stainless-steel pipe, 50 m	12 898
DN 16 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12 899
DN 16 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12 900
DN 16 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12 901
DN 16 stainless-steel pipe, 50 m	12 902
DN 20 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12 903
DN 20 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12 904
DN 20 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12 905
DN 20 stainless-steel pipe, 50 m	12 906
<b>insulation thickness of 19 mm</b>	<b>Code</b>
DN 12 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12 907
DN 12 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12 910
DN 12 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12 909
DN 12 stainless-steel pipe, 50 m	14 902
DN 16 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12 911
DN 16 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12 912
DN 16 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12 913
DN 16 stainless-steel pipe, 50 m	12 914
DN 20 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12 915
DN 20 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12 916
DN 20 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12 917
DN 20 stainless-steel pipe, 50 m	12 918

**Accessories to SOLARFLEX A stainless steel pipes**


<b>Accessories to SOLARFLEX A stainless steel pipes</b>	<b>Code</b>
Set of 4 nuts, lock rings, gaskets and 1/2" rim nipple for DN 12 pipe	14 841
Lock rings for 1/2" nuts for DN 12 pipes	10 469
1/2" nut for DN 12 pipes	12 920
Rim nipple 1/2" M/M	6 971
Wall clamps for twinway DN 12 stainless-steel pipe – set of 4	12 934
Wall clamps for single stainless-steel pipe DN12– set of 4	12 922
Set of 4 nuts, lock rings, gaskets and 3/4" rim nipple for DN 16 pipe	9 644
Lock rings for 3/4" nuts for DN 16 pipes	8 802
3/4" nut for DN 16 pipes	8 799
Rim nipple 3/4" M/M	6 970
Wall clamps for twinway DN 16 stainless-steel pipe – set of 4	9 641
Wall clamps for single DN 16-20 stainless-steel pipe – set of 4	12 932
Set of 4 nuts, lock rings, gaskets and 1" rim nipple for DN 20 pipe	9 645
Lock rings for 1" nuts for DN 20 pipes	8 803
1" nut for DN 20 pipes	8 800
Rim nipple 1" M/M	6 969
Wall clamps for twin DN 20 stainless-steel pipe – set of 4	9 646
Wall clamps for single DN 16-20stainless-steel pipe – set of 4	12 932

Controllers for Regulus solar thermal systems		Code
    	STDC E - 3-sensor controller for solar thermal systems with 1 collector array and 1 solar sink, with PWM/0-10V output for high-efficiency pumps, 2 Pt1000 sensors included	13 164
	SRS2 TE – 4-sensor controller for solar thermal systems with 1 collector array and 1 solar sink, permitting direct switching of max. 3 kW backup source (el. heating element, gas boiler, heat pump) and circulation pump, with PWM/0-10V output for high-efficiency pumps, 3 Pt1000 sensors included	14 388
	SRS3 E - 4-sensor controller for solar thermal systems with 1 collector array and up to 2 solar sinks, or 2 independent arrays and one sink, with PWM/0-10V output for high-efficiency pumps, 3 Pt1000 sensors included	13 166
	SRS5 E - 5-sensor controller for solar thermal systems with 1 collector array and up to 3 solar sinks, or 2 independent arrays and up to 2 heat sinks, with PWM/0-10V output for high-efficiency pumps, 5 Pt1000 sensors included	13 167
	SRS6 EP – 6-sensor controller for solar thermal systems with 1 collector array and up to 3 solar sinks, or 2 independent arrays and up to 2 heat sinks, permitting flowmeter connection for heat measurement, with two PWM/0-10V outputs for high-efficiency pumps, 5 Pt1000 sensors included	13 168
REGULUS Solar pump stations with integrated solar controller		Code
       	S1 STDC E ext Pump station single-pipe, with STDC E controller for 1 solar appliance and 2 sensors included, with a high-efficiency pump Wilo Yonos Para ST 25/7, 2-12 l/min, 3/4" M	14 870
	S1 SRS2 TE ext Pump station single-pipe, with SRS2 TE controller for one solar appliance, permitting to switch a backup source (el. heating element, gas boiler, heat pump) and a circulation pump, 3 sensors included, with a high-efficiency pump Wilo Yonos Para ST 25/7, 2-12 l/min, 3/4" M	14 533
	S1 SRS3 E ext Pump station single-pipe, with SRS3 E controller for 2 solar appliances or 2 collector arrays, 3 sensors included, with a high-efficiency pump Wilo Yonos Para ST 25/7, 2-12 l/min, 3/4" M	14 532
	S1 STDC E Pump station single-pipe, with integrated STDC E controller for 1 solar appliance, 2 sensors included, with a high-efficiency pump Wilo Yonos Para ST 25/7, 2-12 l/min, 3/4" M	14 871
	S2 SRS2 TE Pump station twin-pipe with air separator, with integrated SRS2 TE controller for 1 solar appliance, permitting to switch a backup source (el. heating element, gas boiler, heat pump) and a circulation pump, 3 sensors included, with a high-efficiency pump Wilo Yonos Para ST 25/7, 2-12 l/min, 3/4" M	15 045
	S2 SRS3 E Pump station twin-pipe with air separator, with integrated SRS3 E controller for 2 solar appliances or 2 collector arrays, 3 sensors included, with a high-efficiency pump Wilo Yonos Para ST 25/7, 2-12 l/min, 3/4" M	14 860
	S2 SRS3 E Cu Pump station twin-pipe with air separator, with integrated SRS3 E controller for 2 solar appliances or 2 collector arrays, 3 sensors included, with a high-efficiency pump Wilo Yonos Para ST 25/7, 2-12 l/min, Cu22	14 872
	Cu22 - Cu18 coupler + nuts (set of 4+4 pcs)	9 227
REGULUS Solar pump stations without integrated controller		Code
 	S1 Solar 1 Pump station, UPM3 25/7,5, 2-12 l/min, 3/4" M	14 861
	S1 Solar 1 Pump station, UPM3 25/7,5, 8-28 l/min, 1" M	14 865
	S2 Solar 3 Pump station, UPM3 25/7,5, air separator, 2-12 l/min, 3/4" M	14 866
	S2 Solar 3 Pump station, UPM3 25/7,5, air separator, 8-28 l/min, 1" M	14 867
	S2 Solar 2 Pump station, Stratos Para 25/1-8, 20-70 l/min, 6/4" M	14 868











Accessories to solar controllers		Code
          	TT/S2 - Pt1000 Temperature sensor with 2m cable for solar collector and cylinder	9 108
	TT/P4 - Pt1000 with 4 m cable for consumer	9 109
	Pipe mounted sensor housing (for Pt1000)	14 250
	Contact temperature sensor with 4 m cable, on pipe - Pt1000	9 789
	TA52 - Outdoor temp. sensor, Pt1000 for IR12, KRS 9 controllers	9 110
	KA 12 - Surge protector for Pt1000 temperature sensors	9 530
	RC21 TRS - RC21 Room unit for TRS3-5 and KRS 9 Controllers	9 788
	Flowmeter VFS 1-12 l/min., with integrated temperature sensor, DN 20	11 051
	Flowmeter VFS 2-40 l/min., with integrated temperature sensor, DN 20	11 052
	Flowmeter VFS 5-100 l/min., with integrated temperature sensor, DN 25	10 966
	Flowmeter VFS 10-200 l/min., with integrated temperature sensor, DN 32	11 050
	IP44 protected box with 2A fuse, to power supply valves with single-pole control (VZK, LK and VMR zone valves)	11 685
External relays for controllers		Code
	One relay with switch-over contact. 230 V coil	11 696
	Two relays with switch-over contact. 230 V coil	11 697
<b>FINAL SALE</b>	<b>REGULUS Solar pump stations with integrated solar controller</b>	<b>Code</b>
 	S1 STDC ext Pump station - single-pipe, with integrated STDC controller for 1 solar appliance and 2 sensors included, with ST 25/6 pump, 2-12 l/min, 3/4" M	13 512
	S1 STDC Pump station - single-pipe, with integrated STDC controller for 1 solar appliance and 2 sensors included, with ST 25/6 pump, 2-12 l/min, 3/4" M	8 910
	S1 SRS3 ext Pump station - single-pipe, with integrated SRS3 controller for 2 solar appliances or 2 collector arrays, 3 sensors included, with ST 25/6 pump, 2-12 l/min, 3/4" M	10 604
	S2 SRS3 Pump station - twin-pipe with air separator, with integrated SRS3 controller for 2 solar appliances or 2 collector arrays, 3 sensors included, with ST 25/6 pump, 2-12 l/min, 3/4" M	8 911
	S2 SRS3 Cu Pump station - twin-pipe with air separator, with integrated SRS3 controller for 2 solar appliances or 2 collector arrays, 3 sensors included, with ST 25/6 pump, 2-12 l/min, Cu22	9 226
	S2 SRS4 Pump station - twin-pipe with air separator, with integrated SRS4 controller for 2 solar appliances or 2 collector arrays, electronic flowmeter and 4 sensors included, with ST 25/6 pump, 2-12 l/min, 3/4" M	8 912
	S2 SRS6EP Pump station - twin-pipe with ST 25/6 pump, 2-12 l/min, 1" M	13 177
<b>FINAL SALE</b>	<b>REGULUS Solar pump stations without integrated controller</b>	<b>Code</b>
	S2 Solar 3 Pump station, twin-pipe, ST25/6, air separator, 2-12 l/min, 3/4" M	9 909
	S2 Solar 3 Pump station, twin-pipe, ST25/6, air separator, 8-28 l/min, 1" M	9 050
	S2 Solar 3 Pump station, twin-pipe, ST25/7, air separator, 8-28 l/min, 1" M	14 369
	S2 Solar 2 Pump station, twin-pipe, TOP-RL25/8,5, 20-70 l/min, 6/4" M	10 570
	S2 Solar 35 Pump station, twin-pipe, 2-12 l/min, 3/4" – 12V pump to be fed from PV panels	9 911

Pump stations with traditional pump only while stocks last. Replacements with high-efficiency pumps see the preceding page.







EcoAir 400 Air Source Heat Pumps			
 	<b>» High-quality heat pump made in Sweden, max. flow temperature 65 °C, high COP, works to -22 °C outdoor temperature, very low noise level, communication with a controller; when used with IR controllers remote access via internet and service supervision is possible, up to 10 years warranty on compressor*. Wilo Yonos high efficiency pump is included in the supply. The heat pump has been awarded the European EHPA Quality label.</b>		<b>Code</b>
	EcoAir 406 Heat Pump, heat output of 6.2 kW at A7/W35, SVT 4718		13 243
	EcoAir 408 Heat Pump, heat output of 7.8 kW at A7/W35, SVT4756		13 244
	EcoAir 410 Heat Pump, heat output of 11.5 kW at A7/W35, SVT4760		12 994
	EcoAir 415 Heat Pump, heat output of 16.2 kW at A7/W35, SVT1155		12 995
	EcoAir 420 Heat Pump, heat output of 17.5 kW at A7/W35, SVT1156		12 848
Air Source Heat Pumps with Multi-Energy Control Thermal Store			
  	<b>» Heat pump with a multi-energy control thermal store. The thermal store contains a complete boiler room in its elegant case – a thermal store with DHW, electric backup heating, actuated mixing valve for heating water, ready to connect to a solar system, hydronic fireplace or other heat sources. Integrated electronic controller with a color touch screen. Up to 10 years warranty on compressor*.</b>		<b>Code</b>
	EcoAir 406 Heat Pump with EcoZenith Thermal Store, heat output of 6.2 kW at A7/W35, SVT 4718		13 372
	EcoAir 408 Heat Pump with EcoZenith Thermal Store, heat output of 7.8 kW at A7/W35, SVT 4756		13 487
	EcoAir 410 Heat Pump with EcoZenith Thermal Store, heat output of 11.5 kW at A7/W35, SVT 4760		13 492
EcoAir 400 Air Source Heat Pumps - 1phase - 1x 230 V			
 	<b>» High-quality heat pump made in Sweden, max. flow temperature 65 °C, high COP, works to -22 °C outdoor temperature, very low noise level, communication with a controller; when used with IR controllers remote access via internet and service supervision is possible, up to 10 years warranty on compressor*. Wilo Yonos high efficiency pump is included in the supply. The heat pump has been awarded the European EHPA Quality label.</b>		<b>Code</b>
	EcoAir 406 Heat Pump - 1phase - 1x 230 V, heat output of 6.2 kW at A7/W35, SVT7831		14 893
	EcoAir 408 Heat Pump - 1phase - 1x 230 V, heat output of 7.8 kW at A7/W35, SVT7832		14 894
	EcoAir 410 Heat Pump - 1phase - 1x 230 V, heat output of 11.5 kW at A7/W35, SVT7833		14 895

\* Please ask our regional sales representatives about current conditions for extended warranty.











## EcoPart 400 Ground Source Heat Pumps

 	» <b>High-quality heat pump made in Sweden, max. flow temperature 65 °C, high COP, very low noise level, communication with a controller; when used with IR controllers remote access via internet and service supervision is possible, up to 10 years warranty on compressor*. Wilo Yonos high efficiency pump is included in the supply. The heat pump has been awarded the European EHPA Quality label.</b>		<b>Code</b>
	EcoPart 406 Heat Pump, heat output of 5.9 kW at B0/W35, SVT1157		12 647
	EcoPart 408 Heat Pump, heat output of 8.2 kW at B0/W35, SVT1158		12 648
	EcoPart 410 Heat Pump, heat output of 10 kW at B0/W35, SVT1160		12 649
	EcoPart 412 Heat Pump, heat output of 11.8 kW at B0/W35, SVT1161		12 650
	EcoPart 414 Heat Pump, heat output of 14.5 kW at B0/W35, SVT1164		12 651
	EcoPart 417 Heat Pump, heat output of 16.76 kW at B0/W35, SVT1165		12 652



















## EcoHeat 400 Ground Source Heat Pumps

 	» <b>Heat pump with a multi-energy thermal store. Heat pump with max. flow temperature 65 °C, high COP and a very low noise level. The thermal store contains a complete boiler room in its elegant case – a thermal store with DHW, electric backup heating, actuated mixing valve for heating water, ready to connect to a solar system, hydronic fireplace or other heat sources. Integrated electronic controller with a color touch screen. Up to 10 years warranty on compressor*.</b>		<b>Code</b>
	EcoHeat 406 Heat Pump 5.9 kW heat output at B0/W35 + el. boiler 0-9 kW, SVT 7050		13 441
	EcoHeat 408 Heat Pump 8.2 kW heat output at B0/W35 + el. boiler 0-9 kW, SVT 7136		13 442
	EcoHeat 410 Heat Pump 10 kW heat output at B0/W35 + el. boiler 0-9 kW, SVT 7138		13 443
	EcoHeat 412 Heat Pump 11.8 kW heat output at B0/W35 + el. boiler 0-9 kW, SVT 7139		13 444

## Accessories to CTC heat pumps

         	Solar module for EcoHeat / EcoZenith	12 622
	Wireless Room Unit for EcoHeat / EcoZenith, incl. aerial, connection module and cable	13 944
	Additional Wireless Room Unit for EcoHeat / EcoZenith	13 945
	Room Sensor for EcoHeat / EcoZenith	9 752
	Temperature Sensor with 2.5m cable for EcoHeat / EcoZenith	9 583
	Internet module for EcoHeat / EcoZenith	15 085
	Filling set for primary circuit, M 1", incl. filter	12 454
	Filling set for primary circuit, M 5/4", incl. filter	12 455
	Pipe fitting, Cu28 x 1" M	13 391
	Pipe fitting, Cu28 x Cu28	13 394
	Sealing O-ring for Cu28 pipes	13 393
	Braided Hose, 2x G 1" F, 500 mm	15 493
	Braided Hose, 2x G 1" F, 700 mm	15 494
	Braided Hose, 2x G 1" F, 1000 mm	15 495
	Braided Hose, G 1" F x G 1" M, 500 mm	15 496
	Braided Hose, G 1" F x G 1" M, 700 mm	15 497
	Braided Hose, G 1" F x G 1" M, 1000 mm	15 498
	Nut Gasket, 1"	9 980

\* Please ask our regional sales representatives about current conditions for extended warranty.

Backup power sources for heat pumps		Code
	Backup power source for circulation pump of EcoAir heat pumps incl. a maintenance-free sealed 44Ah accumulator with 12-year service life and a control unit.	9 142
Intelligent controllers for Regulus CTC Heat Pumps		Code
	IR 10 CTC 400 Intelligent Controller with Czech menu, designed to control CTC 400 line Heat Pumps, one mixed heating circuit, DHW heating and a backup source. Ethernet socket, SD card slot. The packing involves a power source, 4 GB card, 1 outdoor sensor, 3 temperature sensors for sheath and a heat pump communication module.	13 248
	IR 12 CTC 400 Intelligent Controller with Czech menu, designed to control CTC 400 line Heat Pumps, a solar system and two mixed heating circuits. Ethernet socket, SD card slot. The packing involves a power source, 4 GB card, 1 outdoor sensor, 4 temperature sensors for sheath and a heat pump communication module.	13 196
	IR 12 CTC 400 EN - English menu	15 093
	UNI Module for IR10/12, 2 analog inputs, 2 relay outputs - universal extension module	12 419
	CV Module for IR10/12, 1 output relay, 0-10V control, to connect DHW recirculation pump	12 360
	OT OpenTherm module for IR12	10 442
	RC21 IR - Room unit for IR10/12 controller	11 280
	Module for IR10 to connect Ripple Control and RC21 IR room unit at the same time	13 719
	Room Unit with display for IR 10/12	10 881
	TT/S2 - Pt1000 Temperature sensor with 2m cable for solar collector and cylinder	9 108
	TT/P4 - Pt1000 with 4 m cable for consumer	9 109
	Pipe mounted sensor housing (for Pt1000)	14 250
	Contact temperature sensor with 4 m cable, on pipe - Pt1000	9 789
	TA52 - Outdoor temp. sensor, Pt1000 for IR12 and KRS 9 controllers	9 110
	KA 12 - Surge protector for Pt1000 temperature sensors	9 530
	IR 12 CTC 400 R Kit consisting of IR 12 CTC 400 Intelligent controller, a switchboard with IR protection and 5 free positions for further use.	13 365
	IR 12 CTC 400 TWR Kit consisting of IR 12 CTC 400 Intelligent controller, wifi router and a tablet. The controller is fitted in a switchboard with IR protection and 5 free positions for further use.	13 364

Heat recovery ventilation		Code
   	HR 30W - for wall thickness up to 280 mm Single-room HRV unit	6 954
	HR 100W - for wall thickness up to 280 mm Single-room HRV unit	6 955
	EXT 100 - for walls 280-500 mm thick Extension for HR30W and HR100W HRV units	6 956
	HR 100R - Central HRV unit	7 483
	HR 100Rs - Central HRV unit for apartment, under ceiling	10 308
	Sentinel Kinetic B - Central HRV unit, incl. integrated control unit and summer by-pass, max. ventilation capacity 275 m <sup>3</sup> /h, SVT 529 	10 176
	Sentinel Kinetic B Plus - Central HRV unit, incl. integrated control unit and summer by-pass, max. ventilation capacity 490 m <sup>3</sup> /h, SVT 530 	10 335
Accessories		Code
                   	Humidity sensor for Sentinel Kinetic	10 177
	CO <sub>2</sub> sensor for Sentinel Kinetic (Plus)	11 852
	Remote control with 15m cable, for Sentinel Kinetic	10 757
	Wireless boost switch for Sentinel Kinetic	10 756
	HR-S Mechanical humidistat, 35-95 % RH	14 334
	Aluminum hose band, 50 mm x 50 m	11 515
	Stainless-steel quick-lock hose band, 30 m, in roll	9 209
	Stainless-steel clamp for quick-lock hose band	9 210
	Insulation for HR100 Heat Recovery Unit	11 767
	Insulation for HR100RS Heat Recovery Unit	11 768
	Spare filter for Sentinel Kinetic - set of two G3 filters	13 323
	Spare filter for Sentinel Kinetic - set of two F5 pollen filters	13 324
	Spare filter for Sentinel Kinetic Plus - set of two G3 filters	13 325
	Spare filter for Sentinel Kinetic Plus - set of two F5 pollen filters	13 326
	Spare textile for AM 290 filters	8 025
	Spare textile for AM 375 filters	10 699
	Filter textile for HR30W and HR100W	9 001
	Filter textile for HR100R	8 136
	Cleaning spray for heat-recovery units and ducts	10 686
	Circular duct muffler DN 125, l = 0.5 m	11 001

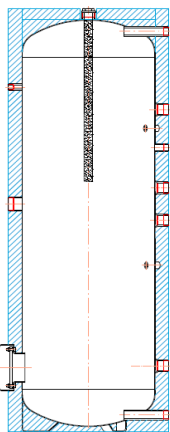


Square plastic pipes		Code
	Square plastic pipes 60x200 mm, 1 m	7 905
	Square plastic pipes 60x200 mm, 1.5 m	7 906
	Square coupling 60x200 mm	7 909
	Elbow adapter, square to round, 60x200/125 mm	7 910
	Elbow adapter, square to round, 60x200/100 mm	8 243
	Square to round adapter, 125/60x200 mm	7 911
	90° horizontal elbow 60x200 mm	7 912
	45° horizontal elbow, with divisible segments, 60x200 mm	9 744
	90° vertical elbow 60x200 mm	8 045
	T-piece 60x200 mm	7 913
	Horizontal ventilation grille, 60x204 mm	11 754
	Round plastic pipe 100 mm x 1 m	8 852
	Round plastic pipe 125 mm x 1 m	8 039
	Air duct bracket, 204x60 mm	14 255
Round hoses		Code
	Single-layer flexible hose in Al, 100 mm x 5 m	7 743
	Single-layer flexible hose in Al, 125 mm x 5 m	7 589
	Single-layer flexible hose in Al, 150 mm x 5 m	7 886
	Thermally insulated flexible hose, 102 mm x 10 m	8 000
	Thermally insulated flexible hose, 127 mm x 10 m	7 887
	Thermally insulated flexible hose, 152 mm x 10 m	7 888
	Thermally insulated flexible hose, 203 mm x 10 m	8 037

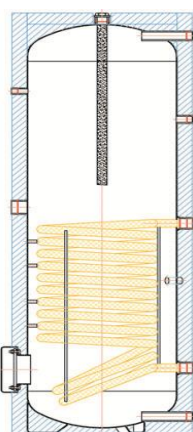
Shaped pieces		Code
	Male coupling, 100 mm	8 854
	Male coupling, 125 mm	7 894
	Male coupling, 150 mm	7 895
	Axial adapter, 125/100	7 896
	Axial adapter, 150/125	7 897
	Axial adapter, 200/150	7 904
	T-piece, 100/100	7 769
	Teu, 125/100	7 721
	T-piece, 125/125	7 889
	T-piece, 150/100	7 890
	T-piece, 150/125	7 908
	T-piece, 150/150	7 891
Components		Code
	Butterfly damper, 100 mm	7 898
	Butterfly damper, 125 mm	7 899
	Butterfly damper, 150 mm	7 900
	Sealed butterfly damper, 100 mm	7 771
	Sealed butterfly damper, 125 mm	10 872
	Sealed butterfly damper, 150 mm	11 565
	Air duct inlet / outlet disc valve, 100 mm	7 901
	Air duct inlet / outlet disc valve, 125 mm	7 902
	Round plastic grille, anti-insect net, 80-125 mm	9 002
	Inlet/outlet "chimney", diam. 80/125 mm	175
	Pitched-roof flashing, workable Al sheet	8 014
Air heaters		Code
	Electric air duct heater, 0.4 kW, DN 125 incl. adjust. and high limit thermostats, 3 m cable	14 059
	Electric air duct heater, 0.6 kW, DN 150 incl. adjust. and high limit thermostats, 3 m cable	14 796
	Hot-water air duct heater, 1.2 kW, DN 200	9 215
	Temperature sensor for 1.2 kW el. air duct heater	7 988

Fireplace inserts		Code
	<b>KV 025 W 01</b> Fireplace insert with hydronic heat exchanger, total heat output available for regulation is 5-18 kW, of which 3.5-12 kW to heating water, 87 % efficiency, double glazing, centralized air supply, special COR-TEN steel sheet. Incl. recooling and air release valves	12 484
	<b>KV 025 W 02</b> Fireplace insert with hydronic heat exchanger, total heat output available for regulation is 5-19 kW, of which 3.5-14 kW to heating water, 90 % efficiency, triple glazing, centralized air supply, special COR-TEN steel sheet, tightness certificate. Incl. recooling and air release valves - for low-energy houses	12 307
	<b>KV 025 W01 BD</b> Fireplace insert KV 025 W 01 with rear loading	13 339
	<b>KV 025 W02 BD</b> Fireplace insert KV 025 W 02 with rear loading	13 340
Accessories		Code
   	Air damper for KV 025 W, 150 mm diam.	10 043
	Air damper for KV 075 W, 125 mm diam.	12 417
	24V-AC/DC Actuator, 0-10V control signal, for air dampers	12 333
	Frame for KV 025 W fireplace insert, 2.5 cm deep	12 488
	Frame for KV 025 W fireplace insert, 6 cm deep	12 489
	Inspection door for KV 025 W 01/02 fireplace insert	13 048

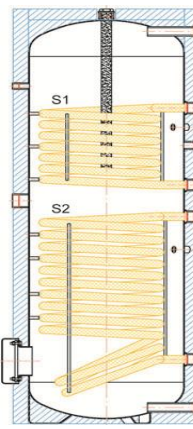


**R0BC storage water heaters, incl. insulation****Code**

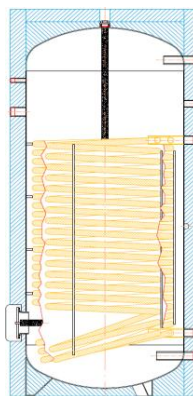
R0BC 200, storage water heater, enameled, diam. 600 mm, 1265 mm high, energy effic. class C	10 586
R0BC 300, storage water heater, enameled, diam. 610 mm, 1710 mm high, energy effic. class C	10 571
R0BC 400, storage water heater, enameled, diam. 710 mm, 1690 mm high, energy effic. class C	10 587
R0BC 500, storage water heater, enameled, diam. 760 mm, 1780 mm high, energy effic. class C	8 795
<b>R0BC storage water heaters over 500 l, incl. insulation</b>	
<b>Code</b>	
R0BC 750, storage water heater, enameled, diam. 950 mm, 1870 mm high	10 364
R0BC 1000, storage water heater, enameled, diam. 950 mm, 2120 mm high	10 365
R0BC 1500, storage water heater, enameled, diam. 1200 mm, 2285 mm high	x 10 366
R0BC 2000, storage water heater, enameled, diam. 1300 mm, 2550 mm high	x 8 884
R0BC 2500, storage water heater, enameled, diam. 1400 mm, 2680 mm high	x 10 501
R0BC 3000, storage water heater, enameled, diam. 1400 mm, 2980 mm high	x 8 901

**RBC storage water heaters with 1 heat exchanger, incl. insulation****Code**


RBC 200 storage water heater, enameled, diam. 610 mm, 1265 mm high, energy effic. class C	3 252
RBC 300 storage water heater, enameled, diam. 610 mm, 1710 mm high, energy effic. class C	3 253
RBC 400 storage water heater, enameled, diam. 710 mm, 1655 mm high, energy effic. class C	6 479
RBC 500 storage water heater, enameled, diam. 760 mm, 1785 mm high, energy effic. class C	6 480
<b>RBC storage water heaters with 1 heat exchanger over 500 l, incl. insul.</b>	
<b>Code</b>	
RBC 750 storage water heater, enameled, diam. 950 mm, 1870 mm high	4 037
RBC 1000 storage water heater, enameled, diam. 950 mm, 2120 mm high	4 038
RBC 1500 storage water heater enameled, diam. 1200 mm, 2285 mm high	x 7 834
RBC 2000 storage water heater, enameled, diam. 1300 mm, 2550 mm high	x 8 476
RBC 2500 storage water heater, enameled, diam. 1400 mm, 2680 mm high	x 12 420
RBC 3000 storage water heater, enameled, diam. 1400 mm, 2980 mm high	x 8 477






**R2BC storage water heaters with 2 heat exchangers, incl. insulation****Code**

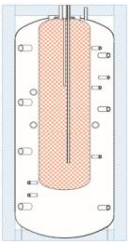

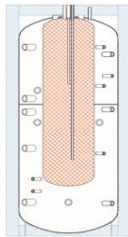

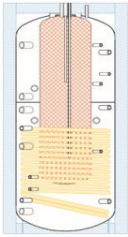


R2BC 200 storage water heater, enameled, diam. 610 mm, 1265 mm high, energy effic. class C	6 481
R2BC 300 storage water heater, enameled, diam. 660 mm, 1710 mm high, energy effic. class C	6 482
R2BC 400 storage water heater, enameled, diam. 710 mm, 1690 mm high, energy effic. class C	6 483
R2BC 500 storage water heater, enameled, diam. 760 mm, 1780 mm high, energy effic. class C	6 484
<b>R2BC storage water heaters with 2 heat exchangers over 500 l, incl. insul.</b>	
<b>Code</b>	
R2BC 750 storage water heater, enameled, diam. 950 mm, 1870 mm high	6 485
R2BC 1000 storage water heater, enameled, diam. 950 mm, 2120 mm high	5 758
R2BC 1500 storage w. heater enameled, diam. 1200 mm, 2285 mm high	x 8 478
R2BC 2000 storage w. heater enameled, diam. 1300 mm, 2550 mm high	x 8 479
R2BC 2500 storage w. heater enameled, diam. 1400 mm, 2680 mm high	x 12 432
R2BC 3000 storage w. heater enameled, diam. 1400 mm, 2980 mm high	x 8 474

**RBC HP storage water heaters, upsized heat exchanger, incl. insul.****Code**

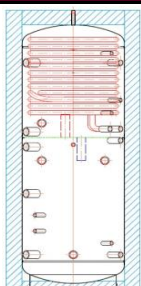
RBC 200HP, storage water heater, enameled, diam. 610 mm, 1265 mm high heat exchanger surface 3 sqm, energy effic. class C	10 534
RBC 300HP, storage water heater, enameled, diam. 610 mm, 1710 mm high heat exchanger surface 3.8 sqm, energy effic. class C	10 535
RBC 400HP, storage water heater, enameled, diam. 710 mm, 1655 mm high heat exchanger surface 5 sqm, energy effic. class C	10 536
RBC 500HP, storage water heater, enameled, diam. 760 mm, 1785 mm high heat exchanger surface 5.9 sqm, energy effic. class C	8 546
<b>RBC HP storage water heaters over 500 l, incl. insulation</b>	
<b>Code</b>	
RBC 750HP, storage water heater, enameled, diam. 950 mm, 1870 mm high. heat exchanger surface 7.5 sqm	10 537
RBC 1000HP, storage water heater, enameled, diam. 940 mm, 2120 mm high. heat exchanger surface 10 sqm	7 883
RBC 1500HP, storage water heater, enameled, diam. 1200 mm, 2285 mm high. heat exchanger surface 11 sqm	13 947

Wall-hung RDC storage water heaters with 1 heat exchanger, incl. insulation		Code
	RDC 200 Z wall-hung storage water heater, enamelled, diam. 584 mm, 1287 mm high, energy eff. class C 6/4" nipple for heating elem. installation above heat exchanger, suitable for solar thermal system.	14 922
RDC storage water heaters with 1 heat exchanger, incl. insulation		Code
	RDC 160 storage water heater, enameled, diam. 584 mm, 1075 mm high, energy eff. class C	12 772
	RDC 200 storage water heater, enameled, diam. 584 mm, 1352 mm high, energy eff. class C	12 758
	RDC 300 storage water heater, enameled, diam. 597 mm, 1790 mm high, energy eff. class C	12 759
R2DC storage water heaters with 2 heat exchangers, incl. insulation		Code
	R2DC 160 storage water heater, enameled, diam. 584 mm, 1075 mm high, energy eff. class C	13 490
	R2DC 200 storage water heater, enameled, diam. 584 mm, 1352 mm high, energy eff. class C	11 351
	R2DC 250 storage water heater, enameled, diam. 584 mm, 1562 mm high, energy eff. class C	12 051
	R2DC 300 storage water heater, enameled, diam. 597 mm, 1790 mm high, energy eff. class C	11 352
RGC H storage water heaters with 1 heat exchanger, incl. insulation		Code
	RGC 120 H storage water heater, enameled, connection points upwards, width x depth 460 x 460 incl. insulation, 1140 mm high, energy eff. class C	10 493

Accessories to storage water heaters		Code
        	Tube heat exchanger 0.94 sqm, 3/4", for RxBC and RxDC 300, Ø 110, l=400, pipe dist. 55 mm	8 377
	Flange for RxDC 300 storage water heater, 2 holes diam. 30 mm, 55 mm center-to-center distance	12 706
	Flange for RxBC storage water heater up to 300 l, 2 holes diam. 30 mm, 55 mm center-to-center distance	8 375
	Flange for RxDC 300 storage water heater, G 6/4" to install second el. heating element	12 707
	Flange for RxBC storage water heaters up to 300 l, G 6/4" to install second el. heating element	8 376
	Flange for RxBC storage water heater over 400 l, G 6/4" + G 1/2", to install another el. heating element and electronic anode rod	13 799
	Flange gasket for RxBC - De = 170 mm, Di = 112 mm	1 976
	Flange gasket for RxDC 160 -250, diam. 140 mm	12 167
	Flange gasket for RxDC 300, diam. 174 mm	14 642
Magnesium anode rods		Code
 	Magnesium anode rod 400 mm long, 3/4" thread	1 998
	Magnesium anode rod 400 mm long, G5/4", for RxC 200-300, R0BC 200-300, RBC200,400,500, R2BC 400	4 025
	Magnesium anode rod l=500 mm, G5/4", for R0BC 400-500, RBC 300, R2BC 200, 500 , RxDC 300	448
	Magnesium anode rod l=650 mm, G5/4", for R0BC 750, 1500, RBC 750, RBC HP 200, R2BC 300	464
	Magnesium anode rod l=900 mm, G5/4", for R0BC 1000, 2000-3000, RBC 1000-3000, RBC HP 300-1000, R2BC 750-3000	3 698
	Magnesium anode rod l=400 mm, M8x30, flange mount for RBC, R2BC	4 611
	Magnesium anode rod l=390 mm, G2", for RGC 120 H	10 178
	Magnesium anode rod l=840 mm, G3/4" chain type - 5 sections, for DUO 390/130 - 1700/200 - for low ceiling rooms	13 959
	Magnesium anode rod l=840 mm, G5/4" thread, chain type - 5 sections - for low ceiling rooms	13 112
Electronic anode rods		Code
 	Electronic anode rod 200/150, 350 mm long, 1/2" thread, incl. electronics	9 169
	Electronic anode rod 200/250, 450 mm long, 1/2" thread, incl. electronics	4 052
	Electronic anode rod 350/150, 500 mm long, 1/2" thread, incl. electronics	9 170
	Electronic anode rod 350/250, 600 mm long, 1/2" thread, (excl. electronics)	6 904
	Electronic anode rod 350/250, 600 mm long, 1/2" thread, incl. electronics	3 836
	Electronic anode rod 550/200, 750 mm long, 1/2" thread, incl. electronics	3 837
	Sets with electronic anode rods	
	Electronic anode rod for DUO 390/130 - 1700/200	13 793
	Electronic anode rod for RxBC 200 storage water heaters	9 173
	Electronic anode rod for RxBC 300-500 and RxDC 300 storage water heaters	9 174
	Electronic anode rod for RxBC 750-1000 storage water heaters	9 175
	Electronic anode rod for RxBC 1500-2500 storage water heaters, set of two	14 429
	Electronic anode rod for RGC 120 H storage water heaters	9 176

DUO Thermal Stores with immersed DHW tank, intended for use with fireplace inserts		Code
 	DUO 390/130 diam. 550 mm, 1910 mm high, 387 l, energy effic. class G, C with insulation	14 198
	DUO 600/200 diam. 650 mm, 1935 mm high, 552 l	14 201
	DUO 750/200 diam. 750 mm, 1980 mm high, 749 l	14 204
	DUO 1000/200 diam. 800 mm, 2080 mm high, 918 l	14 210
	DUO 1700/200 diam. 1100 mm, 2080 mm high, 1682 l	14 213
	<b>Insulation sets for DUO – soft insulation with PUR leather surface, incl. top and bottom insulation</b>	
	Insulation for DUO 390/130 thermal store	15 024
	Insulation for DUO 600/200 thermal store	15 027
	Insulation for DUO 750/200 thermal store	15 030
	Insulation for DUO 1000/200 thermal store	15 033
	Insulation for DUO 1700/200 thermal store	15 036
DUO P Thermal Stores with immersed DHW tank and separating metal sheet (intended for use with heat pumps)		Code
 	DUO 390/130 P diam. 550 mm, 1910 mm high, 386 l, energy effic. class G, C with insulation	14 071
	DUO 600/200 P diam. 650 mm, 1935 mm high, 551 l	14 272
	DUO 750/200 P diam. 750 mm, 1980 mm high, 748 l	14 274
	DUO 1000/200 P diam. 800 mm, 2080 mm high, 917 l	14 266
	DUO 1700/200 P diam. 1100 mm, 2080 mm high, 1681 l	14 268
	<b>Insulation sets for DUO P – soft insulation with PUR leather surface, incl. top and bottom insulation</b>	
	Insulation for DUO 390/130 P thermal store	15 025
	Insulation for DUO 600/200 P thermal store	15 028
	Insulation for DUO 750/200 P thermal store	15 031
	Insulation for DUO 1000/200 P thermal store	15 034
	Insulation for DUO 1700/200 P thermal store	15 037
DUO PR Thermal Stores with immersed DHW tank and separating metal sheet (intended for use with solar thermal systems)		Code
 	DUO 390/130 PR diam. 550 mm, 1910 mm high, 383 l, 1.5 sqm heat exchanger, energy effic. class G, C with insulation	14 072
	DUO 600/200 PR diam. 650 mm, 1935 mm high, 534 l, 2.4 sqm heat exchanger	14 219
	DUO 750/200 PR diam. 750 mm, 1980 mm high, 743 l, 2.5 sqm heat exchanger	14 222
	DUO 1000/200 PR diam. 800 mm, 2080 mm high, 913 l, 3.2 sqm heat exchanger	14 125
	DUO 1700/200 PR diam. 1100 mm, 2080 mm high, 1670 l, 4 sqm heat exchanger	14 228
	<b>Insulation sets for DUO PR – soft insulation with PUR leather surface, incl. top and bottom insulation</b>	
	Insulation for DUO 390/130 PR thermal store	15 026
	Insulation for DUO 600/200 PR thermal store	15 029
	Insulation for DUO 750/200 PR thermal store	15 032
	Insulation for DUO 1000/200 PR thermal store	15 035
	Insulation for DUO 1700/200 PR thermal store	15 038
Kits with plate heat exchanger for DUO and DUO P thermal stores		Code
	DUO R Kit – connection kit for solar thermal system and tank without heat exchanger – involving DV193-30, UPM3 pump	14 908
	DUO 2R Kit – connection kit for solar thermal system and tank without heat exchanger – involving DV193-30, UPM3 pump, VZP zone valves	14 909

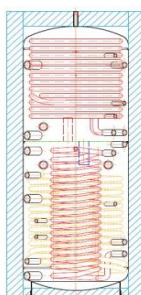


**HSK P Thermal Store with stainless-steel tube DHW heat exchanger and separating metal sheet (suitable for heat pumps)****Code**

HSK 390/1 P diam. 550 mm, 1905 mm high, 398 l, 6 sqm DHW heat exchanger, energy effic. class G, C with insulation	13 517
HSK 600/1 P diam. 650 mm, 1935 mm high, 560 l, 6 sqm DHW heat exchanger	14 175
HSK 750/1 P diam. 750 mm, 1975 mm high, 760 l, 6 sqm DHW heat exchanger	14 178
HSK 1000/1 P diam. 800 mm, 2080 mm high, 925 l, 6 sqm DHW heat exchanger	14 555
HSK 1700/1 P diam. 1100 mm, 2075 mm high, 1687 l, 6 sqm DHW heat exchanger	14 558

**Insulation Sets for HSK P – soft insulation with PUR leather surface, incl. top and bottom insulation****Code**

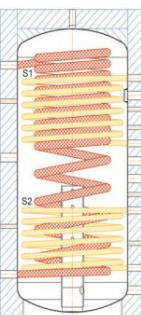
Insulation for HSK 390/1 P thermal store	15 242
Insulation for HSK 600/1 P thermal store	15 244
Insulation for HSK 750/1 P thermal store	15 246
Insulation for HSK 1000/1 P thermal store	15 248
Insulation for HSK 1700/1 P thermal store	15 250

**HSK PR Thermal Store with stainless-steel DHW tube heat exchanger(s), separating metal sheet and solar heat exchanger (suitable for solar thermal systems)****Code**

HSK 390/1 PR diam. 550 mm, 1905 mm high, 394 l, 6 sqm DHW heat exchanger, 1.5 sqm solar HE, energy effic. class G, C with insulation	14 172
HSK 600/2 PR diam. 650 mm, 1935 mm high, 553 l, 6+3 sqm DHW heat exchanger, 2.4 sqm solar HE	14 187
HSK 750/2 PR diam. 750 mm, 1975 mm high, 753 l, 6+3 sqm DHW heat exchanger, 2.5 sqm solar HE	14 190
HSK 1000/2 PR diam. 800 mm, 2080 mm high, 916 l, 6+3 sqm DHW heat exchanger, 3.2 sqm solar HE	14 012
HSK 1700/2 PR diam. 1100 mm, 2075 mm high, 1676 l, 6+3 sqm DHW heat exchanger, 4.0 sqm solar HE	14 013

**Insulation Sets for HSK PR – soft insulation with PUR leather surface, incl. top and bottom insulation****Code**

Insulation for HSK 390/1 PR thermal store	15 243
Insulation for HSK 600/2 PR thermal store	15 245
Insulation for HSK 750/2 PR thermal store	15 247
Insulation for HSK 1000/2 PR thermal store	15 249
Insulation for HSK 1700/2 PR thermal store	15 251

**HSK Thermal Store with stainless-steel DHW heat exchanger****Code**

HSK 500, stainless-steel DHW heat exchanger (coil) 5.7 sqm diam. without side ports 650 mm, 1720 mm high, 488 l, lower heating coil 2.3 sqm, energy effic. class G, D	7 662
HSK 800, stainless-steel DHW heat exchanger (coil) 7.2 sqm, diam. without side ports 790 mm, 1930 mm high, 805 l, lower heating coil 3 m <sup>2</sup> , upper heating coil 2 sqm	7 663
HSK 1000, stainless-steel DHW heat exchanger (coil) 7.2 sqm, diam. without side ports 790 mm, 2110 mm high, 897 l, lower heating coil 3.5 m <sup>2</sup> , upper heating coil 3 sqm	7 506
HSK 1500, stainless-steel DHW heat exchanger (coil) 8.5 sqm, diam. without side ports 1000 mm, 2240 mm high, 1478 l, lower heating coil 4.5 m <sup>2</sup> , upper heating coil 3.5 sqm	7 686
HSK 2000, stainless-steel DHW heat exchanger (coil) 11.5 sqm, diam. without side ports 1100 mm, 2380 mm high, 1915 l, lower heating coil 5.5 m <sup>2</sup> , upper heating coil 4.2 sqm	7 687

**HSK Insulation sets - soft insulation with PU leather surface****Code**

Insulation for HSK 500	7 664
Insulation for HSK 800	7 665
Insulation for HSK 1000	7 507
Insulation for HSK 1500	7 688
Insulation for HSK 2000	7 689

**Accessories to HSK tank****Code**

Heat exchanger for 1" F top inlet of HSK, suitable for DHW circulation backup	8 535
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**Regulus VEGA Thermal Store, DHW heating in a stainless-steel tube heat exchanger, a compact boiler room in modules directly on the tank**

**VEGA 390 (permitting to retrofit a solar heat exchanger into a flange and a solar pump station)**



» Thermal store with separated heat accumulation for space heating and DHW, DHW heating in a stainless-steel tube heat exchanger. DHW recirculation possible. A pump station for 1 or 2 heating circuits with high-efficiency pumps and special 4-way valves for the best utilization of renewable sources. Ready for installation of a solar pump station and of a solar heat exchanger into a flange.

**Code**

VEGA 390 for one heating circuit  
tank diam. 550 mm bare, 750 mm with insulation, 1905 mm high, 396 l, energy effic. class C

12 967

VEGA 390 for two heating circuits  
tank diam. 550 mm bare, 750 mm with insulation, 1905 mm high, 396 l, energy effic. class C

12 968

**Optional Accessories to VEGA Thermal Stores**

**Code**

Interconnection kit for pump station and solar heat exchanger

14 113

Interconnection kit for pump station and solar heat exchanger, with 3-way valve for pool connection

14 114

**VEGA 1000 DVS with a solar plate heat exchanger and change-over valves for priority solar heating of DHW**



» Thermal store with separated heat accumulation for space heating and DHW, two-step DHW heating in two stainless-steel tube heat exchangers – preheating in the lower section, afterheating in the upper tank section. DHW recirculation can be connected via the upper afterheating heat exchanger. Twin-pipe solar pump station and a solar plate heat exchanger with change-over valves for priority of solar DHW heating, a pump station for 1 or 2 heating circuits with high-efficiency pumps and special 4-way valves for the best utilization of renewable sources, pool heating possible from the thermal store.

**Code**

VEGA 1000 DVS for one heating circuit  
tank diam. 800 mm bare, 1000 mm with insulation, 2080 mm high, 921 l

13 453

VEGA 1000 DVS for two heating circuits  
tank diam. 800 mm bare, 1000 mm with insulation, 2080 mm high, 921 l

13 278

VEGA 1000 DVS for two heating circuits, outlet for direct pool heating (third solar sink), tank diam. 800 mm bare, 1000 mm with insulation, 2080 mm high, 921 l

13 454

**Optional Accessories for VEGA 1000 Thermal Stores**

**Code**

Diverter kit for heating system return line - LK 525 3-way zone valve with actuator, T-piece, sheath, pipes, insulation, accessories

13 969



**Regulus LYRA 1000 Thermal Store, DHW heating via a plate heat exchanger, a compact boiler room in modules directly on the tank**
**LYRA with a solar tube heat exchanger**

» Thermal store with a boiler room in modules directly on the tank, separated heat accumulation for space heating and DHW, continuous DHW in a fresh water station via a plate heat exchanger with electronic temperature control, with/without recirculation, twin-pipe solar pump station and solar tube heat exchanger, pump station for 1 or 2 heating circuits with high-efficiency pumps and special 4-way valves for the best utilization of renewable energy sources, pool heating possible from the thermal store.

Code

LYRA 1000 VVS Thermal Store for one heating circuit, DHW without recirculation, tank diam. 800 mm bare, 1000 mm with insulation, 2080 mm high, 923 l

12 231

LYRA 1000 VVS Thermal Store for one heating circuit, DHW with recirculation, tank diam. 800 mm bare, 1000 mm with insulation, 2080 mm high, 923 l

12 229

LYRA 1000 VVS Thermal Store for two heating circuits, DHW without recirculation, tank diam. 800 mm bare, 1000 mm with insulation, 2080 mm high, 923 l

12 230

LYRA 1000 VVS Thermal Store for two heating circuits, DHW with recirculation, tank diam. 800 mm bare, 1000 mm with insulation, 2080 mm high, 923 l

12 228

**LYRA with a solar plate heat exchanger and change-over valves for priority solar heating of DHW**

» Thermal store with a boiler room in modules directly on the tank, separated heat accumulation for space heating and DHW, continuous DHW in a fresh water station via a plate heat exchanger with electronic temperature control, with/without recirculation, twin-pipe solar pump station and solar plate heat exchanger with change-over valves for priority DHW heating, pump station for 1 or 2 heating circuits with high-efficiency pumps and special 4-way valves for the best utilization of renewable energy sources, pool heating possible from the thermal store.

Code

LYRA 1000 DVS Thermal Store for one heating circuit, DHW without recirculation, tank diam. 800 mm bare, 1000 mm with insulation, 2080 mm high, 925 l

13 184

LYRA 1000 DVS Thermal Store for two heating circuits, DHW with recirculation, tank diam. 800 mm bare, 1000 mm with insulation, 2080 mm high, 925 l

13 421

LYRA 1000 DVS Thermal Store for two heating circuits, DHW with recirculation, outlet for direct pool heating (third solar sink), tank diam. 800 mm bare, 1000 mm with insulation, 2080 mm high, 925 l

13 181

**Optional Accessories for LYRA 1000 Thermal Stores**

Code

Diverter kit for heating system return line - LK 525 3-way zone valve with actuator, T-pieces, sheath, pipes, insulation, accessories

14 002



SOL

HP

HEV

FP

ACC

EEE

EV

CON

BEG

GSH

GH



PI

FAL

FPP

30



PS K+ Thermal Stores (reduced height), safety valve incl., 9 G 6/4" ports		Code
	PS 400 K+, 600 mm diam., 1665 mm high, 403 l, en.effic.class G, C with insul.	15 285
	PS 500 K+, 650 mm diam., 1685 mm high, 477 l, en.effic.class G, C with insul.	15 288
	PS 600 K+, 700 mm diam., 1705 mm high, 560 l	15 291
	PS 700 K+, 790 mm diam., 1725 mm high, 737 l	15 294
	PS 900 K+, 850 mm diam., 1765 mm high, 861 l	15 297
	<b>Insulation Sets for PS K+</b> <b>- soft insulation with PUR leather, incl. top and bottom insulation</b>	
	Insulation for PS 400 K+ thermal store	15 287
	Insulation for PS 500 K+ thermal store	15 290
	Insulation for PS 600 K+ thermal store	15 293
	Insulation for PS 700 K+ thermal store	15 296
	Insulation for PS 900 K+ thermal store	15 299
Thermal Stores with 2 flanged openings (no flanges), safety valve incl., 9 G 6/4" ports		Code
	PS2F 300 N+, 550 mm diam., 1405 mm high, 285 l, en.effic.class G, C with insul.	14 726
	PS2F 500 N+, 600 mm diam., 1915 mm high, 479 l, en.effic.class G, D with insul.	14 729
	PS2F 800 N+, 800 mm diam., 1845 mm high, 809 l	15 218
	PS2F 1000 N+, 800 mm diam., 2080 mm high, 932 l	15 221
	PS2F 1500 N+, 1100 mm diam., 1885 mm high, 1509 l	15 224
	PS2F 2000 N+, 1250 mm diam., 1955 mm high, 2010 l	15 227
	PS2F 3000 N25, 1500 mm diam., 2040 mm high, 3027 l, 9 G 2.5" ports	x 14 460
	PS2F 4000 N25, 1600 mm diam., 2355 mm high, 3966 l, 9 G 2.5" ports	x 14 463
	PS2F 5000 N25, 1600 mm diam., 2855 mm high, 4994 l, 9 G 2.5" ports	x 14 466
	<b>Insulation Sets for PS2F N+</b> <b>- soft insulation with PUR leather, incl. top and bottom insulation</b>	
	Insulation for PS2F 300 N+ thermal store	15 131
	Insulation for PS2F 500 N+ thermal store	15 132
	Insulation for PS2F 800 N+ thermal store	15 220
	Insulation for PS2F 1000 N+ thermal store	15 223
	Insulation for PS2F 1500 N+ thermal store	15 226
	Insulation for PS2F 2000 N+ thermal store	15 229
	Insulation for PS2F 3000 N25 thermal store	x 14 462
	Insulation for PS2F 4000 N25 thermal store	x 14 465
	Insulation for PS2F 5000 N25 thermal store	x 14 468

x - upon order

Prices of PS2F and PSWF Thermal stores do not include flanges. For flanges, see next page.

SOL

HP

HEV

FP

ACC

EE

EV

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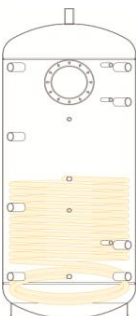

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Thermal Stores with heat exchanger and flanged opening (no flange), safety valve incl., 9 G 6/4" ports		Code
	PSWF 300 N+, 550 mm diam., 1405 mm high, 280 l, en.effic.class G, C with insul.	14 732
	PSWF 500 N+, 600 mm diam., 1915 mm high, 472 l, en.effic.class G, C with insul.	14 735
	PSWF 800 N+, 800 mm diam., 1845 mm high, 807 l	15 230
	PSWF 1000 N+, 800 mm diam., 2080 mm high, 930 l	15 232
	PSWF 1500 N+, 1100 mm diam., 1885 mm high, 1498 l	15 234
	PSWF 2000 N+, 1250 mm diam., 1955 mm high, 1996 l	15 236
	<b>Insulation Sets for PSWF N+ - soft insulation with PUR leather, incl. top and bottom insulation</b>	<b>Code</b>
	Insulation for PSWF 300 N+ thermal store	15 133
	Insulation for PSWF 500 N+ thermal store	15 134
	Insulation for PSWF 800 N+ thermal store	15 231
	Insulation for PSWF 1000 N+ thermal store	15 233
	Insulation for PSWF 1500 N+ thermal store	15 235
	Insulation for PSWF 2000 N+ thermal store	15 237

Prices of PS2F and PSWF Thermal stores do not include flanges.

Flanges for thermal stores		Code
	Blind flange - d=312, no holes	6 230
	Flange for finned copper heat exchanger (code 6150 to 6154) - d=312, 2xd=30-70	6 231
	Flange for finned copper heat exchanger (code 6155 to 6157) - d=312, 2xd=39-90	6 232
	Flange gasket for PS2F, PSWF tanks, d=312 - spare part (gasket is part of the thermal store)	6 732
Finned copper tube heat exchangers, flange mount		Code
	Tube heat exchanger 0.6 sqm, d. 145x410mm, 3/4", 1 coil (for flange code 6231)	6 150
	Tube heat exchanger 1.06 sqm, d. 145x420mm, 3/4", 1 coil (for flange code 6231)	6 151
	Tube heat exchanger 1.8 sqm, d. 170x470mm, 3/4", 1 coil (for flange code 6231)	6 152
	Tube heat exchanger 2.63 sqm, d. 190x600mm, 3/4", 1 coil (for flange code 6231)	6 154
	Tube heat exchanger 3.15 sqm, d. 190x560mm, 1", 2 coils (for flange code 6232)	6 157
	Tube heat exchanger 3.6 sqm, d. 190x630mm, 1", 2 coils (for flange code 6232)	6 155
	Tube heat exchanger 4.5 sqm, d. 190x750mm, 1", 2 coils (for flange code 6232)	6 156




Thermal stores up to 100m<sup>3</sup> can be supplied on request.

x - upon order

Other accessories to thermal stores		Code
	Insulation plug in EPP for blind thermal store ports, 110 mm diam., 85 mm long	14 818
	Plug 6/4"	7 881
	Hex Nipple, 6/4" M/M	7 627
	Reducing Hex Nipple, 6/4" x 1", M/M	8 766
	Reducing Hex Nipple, 6/4" x 5/4", M/M	8 767
	Reducer, 6/4" x 1", M/F	7 882
	Reducer, 2,5"x6/4" M/F for heating elements into PSxx N25 thermal stores	15 089
	Single sheath, 7x8x45 mm, 1/2"	57
	Single sheath, 7x9x45 mm, 1/2", brass	14 879
	Single sheath, 7x9x100 mm, 1/2", brass	14 880
	Single sheath, 7x9 x 200 mm, 1/2", brass	14 881
	Single sheath, 7x8x100 mm - nickel plated, 1/2"	9 078
	Sheath for 3 sensors, shaped end, 15x16x230 mm, 3/4"	1 120
	Sheath for 3 sensors, 15x16x100 mm, shaped, 3/4"	18
	Sheath for 4 sensors, 15x16x120 mm, 3/4"	1 496
	Sheath for 4 sensors, 15x17x120 mm, 1/2", brass	14 882
	Spring to replace one sensor in multi-sensor sheath	9 185
	Curly spring to fix sensor in sheath	1 497
	Capillary spring, small, 1/2", stainless steel	10 845
	Capillary spring, small, 1/2", stainless steel, 100 pcs	13 563
	Capillary spring, big, 3/4", stainless steel	13 557




For more brass threaded fittings see page 77.

## Regulus stainless-steel plate heat exchangers with EPDM insulation

	DV193 insulated heat exchangers					Code	
		fluid / flow rate (l/h)	fluid / flow rate (l/h)	fluid / flow rate (l/h)			
	Primary circuit	solarten/60 l/h/sqm	water / 1000 l/h	water / 1000 l/h			
	Secondary circuit	water / 1000 l/h	water / 1000 l/h	water / 1000 l/h			
		collector surface	heat exch. output	heat exch. output			
		for mid dT* 10K	for mid dT* 20K	for mid dT* 40K			
	DV193-20E	4xG3/4"M	6 sqm	16 kW	26 kW	9 548	
	DV193-30E	4xG3/4"M	10 sqm	24 kW	38 kW	9 549	
	DV193-45E	4xG3/4"M	16 sqm	35 kW	58 kW	9 550	
	DV193-60E	4xG3/4"M	21 sqm	47 kW	78 kW	9 551	
	DV285 insulated heat exchangers					Code	
		fluid / flow rate (l/h)	fluid / flow rate (l/h)	fluid / flow rate (l/h)			
	Primary circuit	solarten/60 l/h/sqm	water / 1500 l/h	water / 1500 l/h			
	Secondary circuit	water / 1500 l/h	water / 1500 l/h	water / 1500 l/h			
		collector surface	heat exch.output	heat exch.output			
		for mid. dT* 10K	for mid. dT* 20K	for mid. dT* 40K			
	DV285-10E	4xG1"M	4 sqm	14 kW	22 kW	9 552	
	DV285-20E	4xG1"M	10 sqm	30 kW	46 kW	9 553	
	DV285-30E	4xG1"M	15 sqm	45 kW	71 kW	9 554	
	DV285-45E	4xG1"M	23 sqm	68 kW	109 kW	9 555	
	DV285-60E	4xG1"M	31 sqm	90 kW	141 kW	9 556	
		DV500 insulated heat exchangers					Code
		DV503-20E, 4xG1"M - design on request					11 045
		DV503-40E, 4xG1"M - design on request					10 495
		DV503-60E, 4xG1"M - design on request					10 496
DV800 insulated heat exchangers					Code		
DV800-30E, 4xG2"M - design on request					10 490		
DV800-50E - 4xG2"M - design on request					10 491		

More types on request, incl. plate heat exchangers that can be disassembled and cleaned. Heat exchanger is offered also with no insulation - price on request. Pressure drop values for heat exchangers and other technical data are available in data sheets at [www.regulus.eu](http://www.regulus.eu). Recommended collector areas and performances are calculated for specific examples and are informative only. For exact performance calculation for specific heat exchangers please use the heat exchanger technical data sheets at [www.regulus.eu](http://www.regulus.eu), which contains exact data and graphs to set H.E. performance for specific parametres.

\*delta T – medium temperature difference between the primary and secondary HE circuit,  $(t_{1in}+t_{1out})/2 - (t_{2in}+t_{2out})/2$

Kits of plate heat exchangers with high-efficiency circulation pumps		Code
	Insulated DV193-20E plate heat exchanger + Wilo Yonos 25/1-6 circulation pump	13 198
	Insulated DV193-30E plate heat exchanger + Wilo Yonos 25/1-6 circulation pump	13 199
	Insulated DV193-45E plate heat exchanger + Wilo Yonos 25/1-6 circulation pump	13 200
	Insulated DV193-60E plate heat exchanger + Wilo Yonos 25/1-6 circulation pump	13 201
	Insulated DV285-10E plate heat exchanger + Wilo Yonos 25/1-6 circulation pump	13 202
	Insulated DV285-20E plate heat exchanger + Wilo Yonos 25/1-6 circulation pump	13 203
	Insulated DV285-30E plate heat exchanger + Wilo Yonos 25/1-6 circulation pump	13 204
	Insulated DV285-45E plate heat exchanger + Wilo Yonos 25/1-6 circulation pump	13 205
	Insulated DV285-60E plate heat exchanger + Wilo Yonos 25/1-6 circulation pump	13 206
Heat exchangers with connection kit to solar pump station		
	<b>with heating water pump</b>	<b>Code</b>
	DV193-20E with Wilo Yonos Para 25/6 pump and connection kit to pump station	10 530
	DV193-30E with Wilo Yonos Para 25/6 pump and connection kit to pump station	10 531
	<b>with drinking water pump</b>	<b>Code</b>
	DV193-20E with Wilo Star Z NOVA pump and connection kit to pump station	10 532
	DV193-30E with Wilo Star Z NOVA pump and connection kit to pump station	10 533
<b>FINAL SALE</b>	<b>Fresh water stations (for instantaneous water heating)</b>	<b>Code</b>
	Fresh water station, with FWC3 controller without recirculation, 3/4" M. Insulation box, stainless-steel plate heat exchanger, Wilo circulation pump with controlled flow rate 12-100 % to maintain the preset outlet temperature. Flow rate 2-40 l/min (heating output up to 98 kW).	9 913
	Connection kit for fresh water station (code 9913), no recirculation, 3/4"F	10 196
	Fresh water station, with FWC3 controller with recirculation, 3/4" M. Insulation box, stainless-steel plate heat exchanger, Wilo circulation pump, Wilo circulation pump with controlled flow rate 12-100 % to maintain the preset outlet temperature. Flow rate 2-40 l/min (heating output up to 98 kW).	9 717
	Connection kit for fresh water station (code 9717), with recirculation, 3/4"F	10 197

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Nickel-plated G 6/4" el. heating elements with plastic thermostatic head, 1x230 V, longer non-heating end for combi thermal stores and hot water storage tanks		
 ETT - M	» for power outlet, adjustable thermostat and two-pole temperature limiter, 3m 3-wire power cable with plug, nickel-plated heating rod – suitable for heating/drinking water, longer non-heating end specific for DUO, HSK, VEGA thermal stores	Code
	1.2 kW heating element with thermostatic head, 0-90 °C knob adjustable, length incl. thread 300 mm, non-heating end 180 mm long.	15 166
	2.0 kW heating element with thermostatic head, 0-90 °C knob adjustable, length incl. thread 350 mm, non-heating end 180 mm long.	15 167
	2.4 kW heating element with thermostatic head, 0-90 °C knob adjustable, length incl. thread 420 mm, non-heating end 180 mm long.	15 168
	3.0 kW heating element with thermostatic head, 0-90 °C knob adjustable, length incl. thread 450 mm, non-heating end 180 mm long.	15 169
FINAL SALE Copper electric heating elements with plastic thermostatic head, 1x230V for combi thermal stores		
	» Electric heating elements, G 6/4", with plug, 1x230 V. Plastic head with an adjustable thermostat and a 2-pole high-limit thermostat. 3-core power supply cable, 3m long, with plug, copper heating element, no surface treatment, suitable for heating water only, longer non-heating end, intended for DUO, HSK, VEGA thermal store.	Code
	2.0 kW heating element with thermostatic head, 0-90 °C knob adjustable, length incl. thread 350 mm, non-heating end 180 mm long.	14 236
	3.0 kW heating element with thermostatic head, 0-90 °C knob adjustable, length incl. thread 450 mm, non-heating end 180 mm long.	14 240
FINAL SALE Nickel-plated electric heating elements with plastic thermostatic head, 1x230V		
 ETT - H	» Electric heating elements, G 6/4", with plug, 1x230 V. Plastic head with an adjustable thermostat and a 2-pole high-limit thermostat. 3-core power supply cable, 3m long, with plug, nickel-plated copper heating rod suitable for DHW tanks and thermal stores as well.	Code
	2.0 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 315 mm, 100 mm non-heating end	13 545
	2.4 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 340 mm, 100 mm non-heating end	13 544
	3.0 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 370 mm, 100 mm non-heating end	13 546
Nickel-plated electric heating elements with metal thermostatic head, 1x230V		
 ETT - D	» Electric heating elements, G 6/4", no plug, 1x230 V. Aluminum head with an adjustable and a high-limit thermostats and a contactor. Inputs for control by controller or Ripple control. 5-core power supply cable 2 m long, nickel-plated copper heating rod suitable for DHW tanks and thermal	Code
	2 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 315 mm, 100 mm non-heating end	11 783
	3 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 370 mm, 100 mm non-heating end	11 784
Nickel-plated electric heating elements with metal thermostatic head, 1x230V		
 ETT - F	» Electric heating elements, G 6/4", no plug, 1x230 V. Aluminum head with an adjustable and a high-limit thermostats and a contactor. For single-phase PV sources	Code
	1.5-3-4.5 kW Heating Element with thermostatic head, knob adjustable within 0-90 °C, length incl. thread 463 mm, 180 mm non-heating end. Enables 3x1.5 kW wiring from a single phase, continuous output modulation 0-4.5 kW using a wattrouter.	12 357





## Copper electric heating elements with thermostatic head, 3x230/400V with longer non-heating end for combi thermal stores

 ETT - L	» no plug, with an adjustable and a high-limit thermostats and a contactor, inputs for control by remote controller or Ripple control, 7-core power supply cable, 2 m long, copper heating element, no surface treatment, suitable for heating water only, longer non-heating end, intended for DUO, HSK, VEGA thermal stores only.	Code
	2 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 310 mm, 180 mm non-heating end	14 994
	3 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 370 mm, 180 mm non-heating end	14 995
	5 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 500 mm, 180 mm non-heating end	14 996
	6 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 555 mm, 180 mm non-heating end	14 997
	7.5 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 635 mm, 180 mm non-heating end	14 998
	8.2 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 700 mm, 180 mm non-heating end	14 999
	9 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 755 mm, 180 mm non-heating end	15 000

## Nickel-plated electric heating elements with metal thermostatic head, 3x230/400 V


 ETT - G	» no plug, with an adjustable and a high-limit thermostats and a contactor, inputs for control by remote controller or Ripple control, 7-core power supply cable, 2 m long, nickel-plated copper heating element suitable for DHW tanks and thermal.	Code
	2 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 225 mm, 100 mm non-heating end	11 787
	3 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 285 mm, 100 mm non-heating end	11 788
	4.5 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 383 mm, 100 mm non-heating end	11 789
	6 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 478 mm, 100 mm non-heating end	11 216
	7.5 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 570 mm, 100 mm non-heating end	11 215
	9 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 665 mm, 100 mm non-heating end	11 214

Copper elements and nickel-plated copper elements are not intended for stainless steel vessels! For stainless-steel vessels use stainless-steel elements only. We can offer other types of heating elements in copper or stainless steel upon order.


Stainless-steel heating elements with metal thermostatic head, 1x230 V suitable for stainless-steel DHW tanks and thermal stores		
  ETT - E	» no plug, with an adjustable and a high-limit thermostats and a contactor, 5-core power supply cable, 2 m long	Code
	2.0 kW heating element, 0-90 °C knob adjustable, stainless steel, length incl. thread 470 mm, non-heating end 100 mm long.	11 785
	3.0 kW heating element, 0-90 °C knob adjustable, stainless steel, length incl. thread 370 mm, non-heating end 100 mm long.	11 786
Stainless-steel heating elements with metal thermostatic head, 3x230/400V suitable for stainless-steel DHW tanks and thermal stores.		
  ETT - K	» no plug, with an adjustable and a high-limit thermostats and a contactor, 7-core power supply cable, 2 m long	Code
	2 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 225 mm, 100 mm non-heating end	14 990
	3 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 285 mm, 100 mm non-heating end	14 991
	4.5 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 383 mm, 100 mm non-heating end	14 992
	6 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 478 mm, 100 mm non-heating end	14 496
	7.5 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 570 mm, 100 mm non-heating end	14 993
	9 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 665 mm, 100 mm non-heating end	14 614




## G 6/4" Electric heating elements, no thermostatic head, 3x 230 V/400 V

 ETT - A	» <b>nickel-plated copper</b> <b>Suitable for Thermal Stores and Hot Water Heaters.</b>	<b>Code</b>
	2 kW heating element, length incl. thread 245 mm, 100 mm non-heating end	8 935
	3 kW heating element, length incl. thread 305 mm, 100 mm non-heating end	8 936
	4.5 kW heating element, length incl. thread 370 mm, 100 mm non-heating end	8 937
	6 kW heating element, length incl. thread 495 mm, 100 mm non-heating end	8 938
	7.5 kW heating element, length incl. thread 585 mm, 100 mm non-heating end	8 939
	9 kW heating element, length incl. thread 680 mm, 100 mm non-heating end	8 940
	12 kW heating element, length incl. thread 815 mm, 100 mm non-heating end	8 941

## G 6/4" Electric heating elements, no thermostatic head, 3x 230 V/400 V, for DUO and HSK

 ETT - C	» <b>copper with no surface finish - suitable for heating water only</b> <b>Longer non-heating end, intended for DUO thermal stores only</b>	<b>Code</b>
	2 kW heating element, copper, no surface treatment. For heating water only! Length incl. thread 310 mm, 180 mm non-heating end	14 519
	3 kW heating element, copper, no surface treatment. For heating water only! Length incl. thread 370 mm, 180 mm non-heating end	8 902
	5 kW heating element, copper, no surface treatment. For heating water only! Length incl. thread 500 mm, 180 mm non-heating end	14 359
	6 kW heating element, copper, no surface treatment. For heating water only! Length incl. thread 555 mm, 180 mm non-heating end	8 897
	7.5 kW heating element, copper, no surface treatment. For heating water only! Length incl. thread 635 mm, 180 mm non-heating end	9 618
	8.2 kW heating element, copper, no surface treatment. For heating water only! Length incl. thread 700 mm, 180 mm non-heating end	14 501
	9 kW Heating element - copper, no surface treatment, for heating water only! Length incl. thread 755 mm, non-heating end 180 mm long.	12 272
	12 kW Heating element - copper, no surface treatment, for heating water only! Length incl. thread 955 mm, non-heating end 180 mm long.	12 273

## M 48x2 Electric heating elements, 3x 230 V/400 V

 ETT - B	» <b>copper with no surface finish - suitable for heating water only.</b> <b>Intended for electric boilers with forced circulation.</b>	<b>Code</b>
	2 kW heating element, length incl. thread 178 mm, 45 mm non-heating end	4 973
	3 kW heating element, length incl. thread 240 mm, 45 mm non-heating end	4 972
	4.5 kW heating element, length incl. thread 333 mm, 45 mm non-heating end	4 971
	6 kW heating element, length incl. thread 428 mm, 45 mm non-heating end	4 970
	7.5 kW heating element, length incl. thread 520 mm, 45 mm non-heating end	4 969

Copper elements and nickel-plated copper elements are not intended for stainless steel tanks! In stainless steel tanks only stainless steel heating elements shall be used.

We can offer other types of heating elements in copper or stainless steel upon order.

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## Electric heating elements

	» stainless steel, G1/2", 230V, for bathroom towel radiators	Code
	Z-ZT 200, 200 W radiator heating element, length 318 mm	11 950
	Z-ZT 300, 300 W radiator heating element, length 395 mm	7 145
	Z-ZT 400, 400 W radiator heating element, length 435 mm	7 146
	Z-ZT 500, 500 W radiator heating element, length 535 mm	7 585
	Z-ZT 600, 600 W radiator heating element, length 585 mm	7 586
	Z-ZT 700, 700 W radiator heating element, length 685 mm	7 587
	Z-ZT 800, 800 W radiator heating element, length 735 mm	7 147
	Z-ZT 900, 900 W radiator heating element, length 835 mm	7 148
	Z-ZT 1000, 1000 W radiator heating element, length 885 mm	7 590
	Z-ZT 1200, 1200 W radiator heating element, length 1045 mm	7 591
	Z-ZT 1350, 1350 W radiator heating element, length 1135 mm	8 402


## Electric heating elements, el. plug with VSV-W switch






	» stainless steel, G1/2", 230V, for bathroom towel radiators	Code
	Z-ZTV 300, 300 W radiator heating element, length 395 mm, VSV-W	13 426
	Z-ZTV 400, 400 W radiator heating element, length 435 mm, VSV-W	13 427
	Z-ZTV 500, 500 W radiator heating element, length 535 mm, VSV-W	13 428
	Z-ZTV 600, 600 W radiator heating element, length 585 mm, VSV-W	13 429
	Z-ZTV 700, 700 W radiator heating element, length 685 mm, VSV-W	13 430
	Z-ZTV 800, 800 W radiator heating element, length 735 mm, VSV-W	13 431
	Z-ZTV 900, 900 W radiator heating element, length 835 mm, VSV-W	13 432
	Z-ZTV 1000, 1000 W radiator heating element, length 885 mm, VSV-W	13 433
	Z-ZTV 1200, 1200 W radiator heating element, length 1045 mm, VSV-W	13 434
	Z-ZTV 1350, 1350 W radiator heating element, length 1135 mm, VSV-W	13 435





## Kits with a T-piece and TZT63 plug-in thermostat

	» stainless steel, G1/2", 230V, for bathroom towel radiators	Code
	Z-SKVT-T 300, 300 W radiator heating element, T-piece+thermostat with timer	8 841
	Z-SKVT-T 400, 400 W radiator heating element, T-piece+thermostat with timer	8 842
	Z-SKVT-T 500, 500 W radiator heating element, T-piece+thermostat with timer	8 843
	Z-SKVT-T 600, 600 W radiator heating element, T-piece+thermostat with timer	8 844
	Z-SKVT-T 700, 700 W radiator heating element, T-piece+thermostat with timer	8 845
	Z-SKVT-T 800, 800 W radiator heating element, T-piece+thermostat with timer	8 846
	Z-SKVT-T 900, 900 W radiator heating element, T-piece+thermostat with timer	8 847
	Z-SKVT-T 1000, 1000 W radiator heating element, T-piece+thermostat with timer	8 848
	Z-SKVT-T 1200, 1200 W radiator heating element, T-piece+thermostat with timer	8 849
	Z-SKVT-T 1350, 1350 W radiator heating element, T-piece+ thermostat with timer	8 850

## Kits with a T-piece and TZ 33 plug-in thermostat

	» stainless steel, G1/2", 230V, for bathroom towel radiators	Code
	Z-SKVT 300, 300 W radiator heating element, T-piece + thermostat	7 573
	Z-SKVT 400, 400 W radiator heating element, T-piece + thermostat	7 574
	Z-SKVT 500, 500 W radiator heating element, T-piece + thermostat	7 575
	Z-SKVT 600, 600 W radiator heating element, T-piece + thermostat	7 576
	Z-SKVT 700, 700 W radiator heating element, T-piece + thermostat	7 577
	Z-SKVT 800, 800 W radiator heating element, T-piece + thermostat	7 578
	Z-SKVT 900, 900 W radiator heating element, T-piece + thermostat	7 579
	Z-SKVT 1000, 1000 W radiator heating element, T-piece + thermostat	7 580
	Z-SKVT 1200, 1200 W radiator heating element, T-piece + thermostat	7 581
	Z-SKVT 1350, 1350 W radiator heating element, T-piece + thermostat	8 597

Stainless steel el. heating elements with integrated TNT thermostat and timer, G 1/2", 230V, for heated towel rails			Code
	TT-TNTW-300	300 W Heating element with white TNT thermostat	11 399
	TT-TNTW-400	400 W Heating element with white TNT thermostat	11 400
	TT-TNTW-500	500 W Heating element with white TNT thermostat	11 401
	TT-TNTW-600	600 W Heating element with white TNT thermostat	11 402
	TT-TNTW-700	700 W Heating element with white TNT thermostat	11 403
	TT-TNTW-800	800 W Heating element with white TNT thermostat	11 404
	TT-TNTW-900	900 W Heating element with white TNT thermostat	11 405
	TT-TNTS-300	300 W Heating element with chrome TNT thermostat	11 406
	TT-TNTS-400	400 W Heating element with chrome TNT thermostat	11 407
	TT-TNTS-500	500 W Heating element with chrome TNT thermostat	11 408
	TT-TNTS-600	600 W Heating element with chrome TNT thermostat	11 409
	TT-TNTS-700	700 W Heating element with chrome TNT thermostat	11 410
	TT-TNTS-800	800 W Heating element with chrome TNT thermostat	11 411
	TT-TNTS-900	900 W Heating element with chrome TNT thermostat	11 412
Stainless steel el. heating elements with integrated DD thermostat and timer, G 1/2", 230V, for heated towel rails			Code
	TT-TDDW-300	300 W Heating element with white DD thermostat	11 034
	TT-TDDW-400	400 W Heating element with white DD thermostat	11 035
	TT-TDDW-500	500 W Heating element with white DD thermostat	9 143
	TT-TDDW-600	600 W Heating element with white DD thermostat	11 036
	TT-TDDW-700	700 W Heating element with white DD thermostat	9 144
	TT-TDDW-800	800 W Heating element with white DD thermostat	11 037
	TT-TDDW-900	900 W Heating element with white DD thermostat	9 145
Uni shuko plug with switch and LED, to plug heating elements with thermostat to el. socket			Code
	VSV-W Uni schuko plug with switch, white, IP20, 16A/250V		11 841
	VSV-S Uni schuko plug with switch, silver, IP20, 16A/250V		11 840
Nickel-plated brass T-piece			Code
	G 1/2" T-piece, FFM, nickel-plated To connect el. heating element together with a heating circuit into a heated towel rail.		7 926
Regulus plug-in thermostats			Code
	<b>TZ33 - Regulus</b> Plug-in thermostat with LCD display (thermometer) and LED. 5-35 °C adjustable temperature, 16(3) A 230 V.		6 295
	<b>TZT63 – Regulus</b> Plug-in thermostat with LCD display (thermometer) and LED. Timer for manual operation available – 15 to 300 min. 5-35 °C adjustable temperature, 16(3) A 230 V.		8 269

Expansion vessels for heating systems		Code
	5 l Expansion vessel, 6 bar, 3/4" M, 160 mm diam.	13 731
	8 l Expansion vessel, 6 bar, 3/4" M, 200 mm diam.	13 732
	12 l Expansion vessel, 6 bar, 3/4" M, 270 mm diam.	13 734
	18 l Expansion vessel, 6 bar, 3/4" M, 290 mm diam.	13 735
	25 l Expansion vessel, 6 bar, 3/4" M, 320 mm diam.	13 736
	40 l Expansion vessel, 6 bar, 3/4" M, 320 mm diam.	13 737
	35 l Expansion vessel, 6 bar, 3/4" M, 380 mm diam., legs	13 738
	50 l Expansion vessel, 6 bar, 3/4" M, 380 mm diam., legs, replac. membrane	13 739
	60 l Expansion vessel, 6 bar, 3/4" M, 380 mm diam., legs, replac. membrane	13 740
	80 l Expansion vessel, 6 bar, 1" M, 450 mm diam., legs, replac. membrane	13 741
	100 l Expansion vessel, 6 bar, 1" M, 450 mm diam., legs, replac. membrane	13 742
	150 l Expansion vessel, 6 bar, 6/4" M, 554 mm diam., legs, replac. membrane	13 743
	200 l Expansion vessel, 6 bar, 6/4" M, 554 mm diam., legs, replac. membrane	13 744
	250 l Expansion vessel, 6 bar, 6/4" M, 624 mm diam., legs, replac. membrane	13 745
	300 l Expansion vessel, 6 bar, 6/4" M, 630 mm diam., legs, replac. membrane	13 746
	400 l Expansion vessel, 6 bar, 6/4" M, 624 mm diam., legs, replac. membrane	13 747
	500 l Expansion vessel, 6 bar, 6/4" M, 775 mm diam., legs, replac. membrane	13 748
	600 l Expansion vessel, 6 bar, 6/4" M, 775 mm diam., legs, replac. membrane	x 13 749
	700 l Expansion vessel, 6 bar, 6/4" M, 775 mm diam., legs, replac. membrane	x 13 750
	Expansion vessels for solar thermal systems	
	12 l Expansion vessel, 8 bar, 3/4" M, 270 mm diam.	13 720
	18 l Expansion vessel, 8 bar, 3/4" M, 270 mm diam.	13 721
	25 l Expansion vessel, 8 bar, 3/4" M, 290 mm diam.	13 722
	40 l Expansion vessel, 8 bar, 3/4" M, 320 mm diam.	13 723
	50 l Expansion vessel, 10 bar, 3/4" M, 320 mm diam., legs, replac. membrane	13 724
	80 l Expansion vessel, 10 bar, 3/4" M, 450 mm diam., legs, replac. membrane	13 725
	100 l Expansion vessel, 10 bar, 1" M, 750 mm diam., legs, replac. membrane	13 726
	150 l Expansion vessel, 10 bar, 6/4" M, 554 mm diam., legs, replac. membrane	13 727
	200 l Expansion vessel, 10 bar, 6/4" M, 554 mm diam., legs, replac. membrane	13 728
	300 l Expansion vessel, 10 bar, 6/4" M, 624 mm diam., legs, replac. membrane	13 729
	500 l Expansion vessel, 8 bar, 6/4" M, 780 mm diam., legs, replac. membrane	x 13 730
 	Expansion vessels for drinking water	
	0.16 l Exp. vessel for drinking water, 15 bar, 1/2" M, 65 mm diam.	13 752
	2 l Exp. vessel for drinking water, 10 bar, 1/2" M, 125 mm diam.	13 753
	5 l Exp. vessel for drinking water, 8 bar, 3/4" M, 160 mm diam	13 754
	8 l Exp. vessel for drinking water, 8 bar, 3/4" M, 200 mm diam	13 755
	12 l Exp. vessel for drinking water, 8 bar, 3/4" M, 270 mm diam	13 756
	18 l Exp. vessel for drinking water, 8 bar, 3/4" M, 270 mm diam	13 757
	25 l Exp. vessel for drinking water, 8 bar, 3/4" M, 290 mm diam	13 758
	40 l Exp. vessel for drinking water, 8 bar, 3/4" M, 320 mm diam	13 759
	60 l Exp. vessel for drink. water, 10 bar, 1" M, 380 mm diam., legs, replac. membrane	13 760
	80 l Exp. vessel for drink. water, 10 bar, 1" M, 450 mm diam., legs, replac. membrane	13 761
	100 l Exp. vessel for drink. water, 10 bar, 1" M, 450 mm diam., legs, replac. membrane	13 762
	200 l Exp. vessel for drink. water, 10 bar, 6/4" M, 554 mm diam., legs, replac. membrane	13 763
	300 l Exp. vessel for drink. water, 10 bar, 6/4" M, 624 mm diam., legs, replac. membrane	13 764
	400 l Exp. vessel for drink. water, 10 bar, 6/4" M, 624 mm diam., legs, replac. membrane	x 13 765

x - upon order

Replaceable Membranes for HS Expansion Vessels		Code
	Membrane for 50 l expansion vessel, heating water	13 785
	Membrane for 60 and 80 l expansion vessels, heating water	13 769
	Membrane for 100 l expansion vessel, heating water	13 770
	Membrane for 150 and 200 l expansion vessels, heating water	13 771
	Membrane for 250 and 300 l expansion vessels, heating water	13 772
	Membrane for 400 l expansion vessel, heating water	13 773
	Membrane for 500 to 700 l expansion vessels, heating water	13 774
Replaceable Membranes for SL Expansion Vessels		Code
	Membrane for 50 l expansion vessel, solar thermal systems	13 775
	Membrane for 80 and 100 l expansion vessels, solar thermal systems	13 776
	Membrane for 150 l expansion vessel, solar thermal systems	13 777
	Membrane for 200 l expansion vessel, solar thermal systems	12 763
	Membrane for 300 l expansion vessel, solar thermal systems	13 786
	Membrane for 500 l expansion vessel, solar thermal systems	x 13 787
Replaceable Membranes for HW Expansion Vessels		Code
	Membrane for 60 l expansion vessel, drinking water	13 788
	Membrane for 80 and 100 l expansion vessels, drinking water	13 789
	Membrane for 200 l expansion vessel, drinking water	13 791
	Membrane for 300 and 400 l expansion vessels, drinking water	13 792
Service valves and brackets for expansion vessels		Code
        	3/4" Service Valve for expansion vessels connection and easy servicing	8 770
	1" Service Valve for expansion vessel connection and easy servicing	12 295
	6/4" Service Valve for expansion vessel connection and easy servicing	14 492
	6/4"-1" F/M reducing adapter	14 494
	Exp. vessel bracket for wall mount with connecting valve 3/4"	7 766
	Exp. vessel bracket	12 174
	Expansion vessel bracket, wall mounted, incl. screws and dowels	10 046
	Expansion vessel bracket, wall mounted, incl. 3 bar safety valve, air vent valve, pressure gauge, screws and dowels (not assembled)	10 095
	Stainless-steel connecting pipe 2x 3/4" F - 0.5 m	9 156

x - upon order



## REGULUS IR 12 Smart Controller



### IR 12 KRB

Smart Controller, Czech menu, designed to control a hydronic fireplace and accumulation tank, solar system, boiler and 1 mixed heating circuit. Ethernet socket, SD card slot. The packing involves a power source, 4 GB card, 1 outdoor sensor and 7 temperature sensors for sheaths.

13 245



### IR 12 KRB EN - English menu

13 316



### IR 12 KRB R

Kit – IR 12 KRB Smart Controller, Czech menu, with el. enclosure with a circuit breaker for IR and 5 free positions for other purposes.

12 309

### IR 12 KRB TWR

Kit – IR 12 KRB Smart Controller, Czech menu + wifi router + tablet. The Controller is fitted in an el. enclosure with a circuit breaker for IR and 5 free positions for other purposes.

12 282

## IR 12 CTC for Heat Pumps

Code



### IR 10 CTC 400

Smart Controller, Czech menu, designed to control CTC 400 line Heat Pumps, one mixed heating circuit, DHW heating and a backup source. Ethernet socket, SD card slot. The packing involves a power source, 4 GB card, 1 outdoor sensor, 3 temperature sensors for sheaths and a heat pump communication module.

13 248



### IR 12 CTC 400

Smart Controller, Czech menu, designed to control CTC 400 line Heat Pumps, a solar system and two mixed heating circuits. Ethernet socket, SD card slot. The packing involves a power source, 4 GB card, 1 outdoor sensor, 4 temperature sensors for sheaths and a heat pump communication module.

13 196

### IR 12 CTC 400 EN - English menu

15 093



### IR 12 KRB R

Kit – IR 12 KRB Smart Controller, Czech menu, with el. enclosure with a circuit breaker for IR and 5 free positions for other purposes.

13 365



### IR 12 CTC 400 TWR

Kit consisting of IR 12 CTC 400 Smart controller (Czech menu), wifi router and a tablet. The controller is fitted in a switchboard with IR protection and 5 free positions for further use.

13 364

## Modules and room units for IR controllers

Code



UNI Module for IR10/12, 2 analog inputs, 2 relay outputs - universal extension module

12 419



CV Module for IR10/12, 1 output relay, 0-10 V control, to connect DHW recirculation pump

12 360



OT Module for IR12, to connect boilers with OpenTherm protocol

10 442



GSM Module for IR 12 for SMS communication

12 698



Aerial for GSM module

13 176



RC21 IR - Room Unit for IR 10/12 Heating Controller

11 280



Module for IR10 to connect Ripple Control and RC21 IR room unit at the same time

13 719



Room unit for IR 10/12, with display

10 881









## REGULUS IR 12 Smart Controller for more mixed circuits

Code

 	<p>IR 12 OT 111 Smart Controller with Czech menu, designed to control a boiler with OpenTherm interface, one more switched source, solar system and 4 mixed heating circuits. The packing involves a power source, 4 GB card, 1 outdoor sensor and 7 temperature sensors for sheaths.</p>	11 983
	<p>IR 12 OT 111 EN - English menu</p>	13 377
	<p>IR12 OT 121 Smart Controller with Czech menu for control of a boiler with OpenTherm interface, one more switched heat supply, a solar system and 6 mixed heating circuits. The packing involves a power source, 4 GB memory card, 1 outdoor sensor and 9 temperature sensors for sheaths.</p>	12 216
	<p>Module for IR 12 OT, to connect room units</p>	10 719








## Temperature sensors for IR10/12 Smart Controllers

Code

     	<p>Pt1000 Temperature sensor with 4 m cable, contact type</p>	9 789
	<p>Pt1000 Temperature sensor with 2 m cable</p>	9 108
	<p>Pipe Mounted Sensor Housing for Pt1000</p>	14 250
	<p>Encased sheath mount thermostat with Pt1000 sensor and 2m cable (9108) - adj. 0-90 °C, limiter 100 °C fix</p>	14 105
	<p>TA52 - Outdoor temperature sensor Pt1000 for IR 12, KRS 9 controllers</p>	9 110
	<p>KA 12 - Surge protector for Pt1000 temperature sensors</p>	9 530


## TRS Controllers for heating systems, with OTC

Code

      	<p>TRS3 controller for 1 heating circuit. The controller has 4 inputs and 3 outputs. 1 outdoor sensor and 1 contact sensor enclosed.</p>	9 055
	<p>TRS4 controller for 2 heating circuits. The controller has 6 inputs and 5 outputs, selection from 6 hydraulic systems (from a simple system with one mixed circuit to a system with one mixed circuit, 1 direct circuit and an accumulation tank). 1 outdoor sensor, 1 contact sensor and 1 sheath sensor enclosed</p>	9 056
	<p>TRS5 controller for 1 heating circuit and DHW. The controller has 6 inputs and 5 outputs, selection from 3 hydraulic systems with DHW (a system with a DUO combination tank and a mixed circuit, a system with an independent DHW storage and a mixed circuit, a system with an independent DHW storage and a mixed circuit with an accumulation tank). 1 outdoor sensor, 1 contact sensor and 2 sheath sensors enclosed.</p>	9 057
	<p>RC21 room unit for TRS3-5 and KRS9 controllers</p>	9 788
	<p>Contact temperature sensor with 4 m cable, on pipe - Pt1000</p>	9 789
	<p>Temperature sensor with 2 m cable, sheath type - Pt1000</p>	9 108
	<p>UR3 TOP1.01- Czech menu controller with OTC, mixing valve and pump control; 2 inputs, 3 outputs price incl. immersion temperature sensor with 2m cable and outdoor temperature sensor</p>	10 000
	<p>UR3 TOP1.02Aj – English menu controller with OTC, mixing valve and pump control; 2 inputs, 3 outputs price incl. immersion temperature sensor with 2m cable and outdoor temperature sensor</p>	11 607

## Differential Controllers

Code

	<p>UR1 A-DT Analog Differential Controller - circulation pump switching by adjustable temp. difference - 2 inputs for temperature sensors and 1 mechanical output relay - price incl. two Pt1000 temperature sensors for sheath and 2 m cable</p>	14 159
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SOL

HP

HEV

FP

AGC

EHE

EV

CON

BPG












HSC




CH

PI


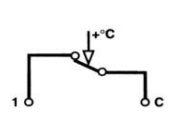

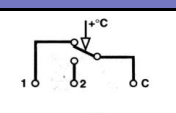
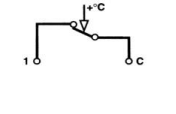


FAL

FP

TP Electronic programmable room thermostats		Code
 	<b>TP07 - Regulus</b> weekly programmable digital thermostat, 4 temperature changes a day, 7 days a week or Mo-Fr/Sa-Su setting, function of intelligent preheating, 2 x 1.5 V (AA), 5 A/230 V contact.	8 180
	<b>TP08 - Regulus</b> weekly programmable digital thermostat, 8+7 weekly programs, 2 temperature settings 5-30 °C in 1 hour step, 2 x 1.5 V (AA) included, 8(2) A/230 V contacts.	6 298
TP Electronic room thermostats and TZ plug-in thermostats		Code
    	<b>TP18 - Regulus</b> , LCD display (thermometer function), 5-35 °C adjustable temperature, 2 x 1.5 V (AAA), 5(3.5) A 24...230 V.	7 355
	<b>TP39 - Regulus</b> , electronic LCD display (thermometer function), 5-35 °C knob adjustable temperature, 16(3) A 230 V.	6 299
	<b>TP69 - Regulus</b> LCD display (thermometer), 5-35 °C key adjustable temperature, 16(3) A 230 V	11 583
	<b>TZ33 - Regulus</b> , plug-in thermostat, LCD display (thermometer function), LED, 5-35 °C adjustable temperature, 16(3) A 230 V.	6 295
	<b>TZT63 - Regulus</b> , plug-in thermostat, LCD display (thermometer function), LED. Manual timer for adjustable time period. 5-35 °C adjustable temperature, 16(3) A 230 V.	8 269
TP Mechanical thermostats for current appliances (250 mA min. current)		Code
    	<b>TP546DT</b> Room thermostat, 230 V, basic version. Adjustable temperature 5-30 °C, switch-off contact 16(2.5) A max.	10 945
	<b>TP546LA</b> Room thermostat, 230 V, with ON signal lamp. Adjustable temperature 5-30 °C, switch-off contact 16(2.5) A max.	10 946
	<b>TP546OL</b> Room thermostat, 230 V, with ON signal lamp and switch. Adjustable temperature 5-30 °C, switch-off contact 16(2.5) A max.	10 947
	<b>TP546GCDT</b> Room thermostat, 24 and 230 V, basic version. Adjustable temperature 5-30 °C, switch-off contact 20-300 mA.	10 948
TP Mechanical thermostats for electronic circuits (300 mA max. current)		Code
Installation accessories for TP 546 room thermostats		Code
Base frame for TP 546, on el. backbox		11 076
Temperature limiting clip for TP 546		11 077

Thermometers, diam. 63 mm		Code
	Contact thermometer, 0-120 °C	3 042
	Thermometer with sheath l=30 G3/8", rear conn., 0-120 °C	10 472
	Thermometer with sheath l=45 G1/2", rear conn., 0-120 °C	10 473
	Thermometer with sheath l=150 G1/2", rear conn., 0-120 °C	10 474
	Thermometer with sheath l=100 G1/2", rear conn., 0-120 °C	14 296
	Stem-type thermometer l=100, no sheath, rear conn., 0-500 °C	10 476
	Heat conducting paste, 2 g	6 754
	Sheath for stem-type thermometers, 9,5x11,5-100 mm, 1/2"	11 755
Thermomanometers, diam. 80 mm		Code
	Thermomanometer 0-120 °C / 4 bar, G1/2", bottom conn.	10 482
	Thermomanometer 0-120 °C / 4 bar, G1/2", rear conn.	10 481
Pressure gauges, diam. 50 mm		Code
	Pressure gauge, 4 bar, G1/4	10 170
	Pressure gauge, 6 bar, G1/4	2 126
	Pressure gauge, 4 bar, G1/4 - rear connection	2 128
	Pressure gauge, 6 bar, G1/4 - rear connection	2 129
Pressure gauges, diam. 63 mm		Code
	Pressure gauge, 2.5 bar, G1/4	294
	Pressure gauge, 4 bar, G1/4	2 127
	Pressure gauge, 6 bar, G1/4	3 319
	Pressure gauge, 10 bar, G1/4	3 822
	Pressure gauge, 10 bar, G1/4 - rear connection	3 357
	Pressure gauge, 4 bar, G1/4 - rear connection	5 675
	Pressure gauge, 6 bar, G1/4 - rear connection	3 409
Pressure gauges, diam. 100 mm, bottom connection		Code
	Pressure gauge, 2.5 bar, G1/2	300
	Pressure gauge, 4 bar, G1/2	2 170
	Pressure gauge, 6 bar, G1/2	3 320
	Pressure gauge, 10 bar, G1/2	3 408

Encased thermostats			Code
	BB1-1000 Adjustable contact thermostat, higher sensit., 10-90 °C, heat cond. paste		10 811
	TS5310.01 Adjustable contact thermostat, standard sensitivity, 17-90 °C		10 746
	TS5310.02 Adjustable contact thermostat, higher sensit., 17-90 °C, screwdr.adj.		10 836
	TS9510.02 Adjustable immersion thermostat, 0-90 °C, sensor 6.5x100 mm		10 781
	TS1-1000 Adjustable immersion thermostat, 0-90 °C, sensor 5.8x100 mm		13 620
	TS9520.01 Adjustable capillary thermostat, 0-60 °C, 1.5 m capillary, sensor 6.5x73 mm		10 750
	TS9520.54 Adjustable capillary thermostat, 0-90 °C, 1.5 m capillary, IP 40		10 772
	TS9520.53R Adjustable capillary thermostat, 0-300°C, 2 m capillary INOX, IP 40		11 514
	TS9520.04 Adjustable capillary thermostat, -35/+35 °C, 1.5 m capillary		11 279
	TS95H10.01 Immersion limiter, 100 °C, 2 contacts		10 803
	TS9530.07 Double encased immersion thermostat, 0-60/30-120 °C		10 782
	TS95H30.01 Encased adjustable immersion thermostat, 0-90 °C, limit fix 100 °C, sensors 6.5x100 mm		10 771
	TS95H30.01/Pt1000 Encased immersion therm., adj. 0-90 °C, limit. 100 °C fix with Pt1000 sensor w. 2 m cable		14 105
	TS9501.02 Room thermostat, stainless-steel sensor, -35/+35 °C, IP 55		10 804
	Heat conducting paste, 2 g		6 754
Danfoss encased thermostats			Code
	KP78 Encased thermostat, 30-90 °C temperature range, 5-15 °C difference, 2 m capillary, IP 30	060L118466	12 274


Adjustable thermostats, liquid filled						Code
  	<i>model</i>	<i>range</i>	<i>adjustment</i>	<i>capillary</i>	<i>contacts</i>	
	95A040R21	0 - 40 °C	knob	1 m	SPST	10 925
	95B040R07	0 - 40 °C	knob	1.5 m	SPDT	11 225
	95B090R27	0 - 90 °C	knob	2 m	SPDT	11 020
	711.13328.05A	0 - 90 °C	knob	1 m	SPDT	10 922
	95B090R23	0-90 °C	knob	0.6 m	SPDT	10 739
	95A090R20	0 - 90 °C	knob	1 m	SPST	10 924
	95A095R01	0 - 120 °C	knob	1 m	SPDT	10 735
	95B120R10	0 - 120 °C	knob	1.5 m	SPDT	10 933
	95B120I03	0 - 120 °C	knob	1.5 m inox	SPDT	10 932
	711.G1329.00A	0 - 210 °C	knob	1 m	SPDT	11 040
	95B286I02	-25 to 275 °C	knob	1.5 m inox	SPDT	10 734
	95B300I05	0 - 300 °C	knob	2 m inox	SPDT	10 934
	95A095R01	50 - 95 °C (ATMOS)	knob	1 m	SPST	10 736
	95B090R24	0 - 90 °C	screwdr.	1 m	SPDT	10 940
	95A090R22	0 - 90 °C	screwdr.	1 m	SPST	11 078
	95B090R26	0 - 90 °C	screwdr.	1.5 m	SPDT	10 780
	95A090R21	90 °C	fixed	1 m	SPST	10 882
	ST/99-001	2 levels, 39-78 °C, 46-85 °C	knob	1 m	SPDT	4 462
	95A085R03	OFF - 85 °C	knob	1 m	SPST	10 926
	95A070R06	30-70 °C gold-plated contacts	screwdr.	1 m	SPST	10 737
	721.3328.00A	40 - 90 °C (2+-1 °C)	knob	1 m	SPDT	3 391
High limit thermostats, adjustable						Code
  	<i>model</i>	<i>range</i>	<i>reset</i>	<i>capillary</i>	<i>contacts</i>	
	95H060R01	40 - 60 °C	manual	1 m	SPDT	11 074
	95H090R02	63 - 90 °C	manual	1,5 m	SPDT	10 745
	95H110R10	90 - 110 °C	manual	1 m	SPST	10 923
	95H110R12	90 - 110 °C	manual	1 m	SPDT	11 159
	95H110R09	90 - 110 °C	manual	1,5 m	SPDT	10 740
	95H110R13	90-110 °C gold pl.contacts	manual	1 m	SPDT	11 088
	962.11228.00A	90 - 110 °C	automatic	1 m	SPST	823
High limit thermostats, fixed temperature						Code
	<i>model</i>	<i>range</i>	<i>reset</i>	<i>capillary</i>	<i>contacts</i>	
	95H120R01	120 °C	manual	1 m	SPST	10 973
	95H140R01	140 °C gold pl.contacts	manual	1 m	SPDT	11 153
	974.99228.01A	100 °C	automatic	1 m	SPST	1 094
	95H099R01	99 °C	manual	0.55 m	SPDT	10 743

Contact rating: resistance load 16A/250V, 6A/400V, induction load 4A/250V, 1A/400V.


For gold-plated contacts 100mV 0.3A DC. EI. protection degree IP 00.


Thermometers						Code
	model	range	dimensions	capillary		
	110.10115.00A	0 - 120°C	Ø 57.5 mm	0,5 m		14 702
	110.10025.00A	0 - 120 °C	Ø 57.5 mm	1 m		172
	110.10045.00A	0 - 120 °C	Ø 57.5 mm	2 m		1 146
	110.10125.00A	0 - 120 °C	Ø 57.5 mm	1 m		224
	113.10126.00A	0 - 120 °C	Ø 42 mm	1 m	white	1 148
	113.10127.00A	0 - 120 °C	Ø 42 mm	1 m	grey	1 829
	113.10025.00A	0 - 120 °C	Ø 42 mm	1 m	black	14 256
	130.10025.00A	0 - 120 °C	48x48 mm	1 m		120
	150.10125.00A	0 - 120 °C	31x64 mm	1 m		1 181
180.10125.00A	0 - 120 °C	14.5x64.5mm	1 m		275	
Thermomanometers						Code
	520.75025.00A	0-120 °C;0-4 bar	Ø 57.5 mm	1 m		272
	560.70126.00A	0-120 °C; 0-4 bar	Ø 42 mm	1m		6 468
	520.70125.00A	0-120°C; 0-4 bar	Ø 57.5 mm	1 m		11 094
	540.80125.00A	0-120 °C;0-6bar	42x78 mm	1 m		3 643
	540.71526.00A	0-120 °C;0-4 bar	42x78 mm	1 m		5 190
Pressure gauges						Code
	3A13.70127.50A	0-4 bar	Ø 42 mm	1 m		9 463
	323.70126.22A	0-4 bar	Ø 42 mm	1 m		3 423
	340.70025.00A	0-4 bar	48x48 mm	1 m		121
Accessories to manometers and thermomanometers						Code
	4700.10.9A	Check valve, 1/4G				21
	4700.00.1A	Check valve, 1/2G				20
	4514.06.0B	Round frame - white				1 096
Manostats						Code
	GW 50A6	Gas manostat, 5-50 mbar				1 004
		Terminal for GW manostats series A6				1 005
	LGW 3A1	Air manostat, fixed 0.4 mbar				478
	LGW 3A2	Air manostat, 0.4-3 mbar				777








Flow switches		Code
	Flow switch FP204-1, 3/4" - 3/4", , 400 l/h, microswitch with silver contacts	381
	Flow switch FP204-2, 3/4" - 3/4", 400 l/h, microswitch with gold-plated contacts	13 552
	Flow switch FP214-1, 3/4" - 1" union nut, 400 l/h, microswitch with silver contacts	382
	Flow switch FP214-2, 3/4" - 1" union nut, 400 l/h, microswitch with gold-plated contacts	13 553
	Flow switch FP224-1, 1" union nut - 3/4", 400 l/h, microswitch with silver contacts	383
	Flow switch FP224-2, 1" union nut - 3/4", 400 l/h, microswitch with gold-plated contacts	4 247
	Flow switch FP25-1, 6/4" - 6/4", 700 l/h, microswitch	14 843
	Flow switch FP25-2, 6/4" - 6/4", 700 l/h, microswitch with gold-plated contacts	14 844








Switching current for microswitches with gold-plated contacts is 1-100 mA.

Pressure switches		Code
	60V070A01 closes at 0.7 bar fixed, R 1/4" fitting, gold-plated contacts	10 927











KPI Pressure switch, 18bar max. pressure, IP 30, for gases and liquids		Code
	KPI 35 Pressure switch, -0.2 to 8 bar range, 0.4 to 1.5 bar difference, G1/4" M	060-121766 12 275
	KPI 35 Pressure switch, -0.2 to 8 bar range, 0.5 to 2 bar difference, G1/4" M	060-121966 12 277
	IP55 Cover for KP, KPI thermostats and pressure switches, to increase IP protection from IP30 to IP55	060-062866 12 279




Accessories to thermostats		Code
	Convex knob, black, 0-40 °C	1 145
	Convex knob, black, 0-90 °C	1 472
	Convex knob, black, 0-120 °C	1 404
	Convex knob, black, 0-210 °C	2 164
	Convex knob, black, limit mark	683
	Convex knob, black, symbolic, MORA	319
	Convex knob, black, symbolic, TG	752
	Convex knob, white, 1-5	681
	Convex knob, white, 0-90 °C	1 830
	Convex knob, white, with scale line	879
	Knob frame, black	15
	Knob frame, white	561
	Limiting spring	17
	Limiting screw	16
	Screw for adjustable thermostat	790
	Single pocket, 7x8x45 mm, 1/2"	57
	Single pocket, 7x9x45 mm, 1/2", brass	14 879
	Single pocket, 7x9x100 mm, 1/2", brass	14 880
	Single pocket, 7x8x100 mm - nickel plated, 1/2"	9 078
	Single pocket, 7x9 x 200 mm, 1/2", brass	14 881
	Pocket for 3 sensors, shaped end, 15x16x230 mm, 1/2"	1 120
	Pocket for 3 sensors, 15x16x100 mm, shaped, 1/2"	18
	Pocket for 4 sensors, 15x16x120 mm, 1/2"	1 496
	Pocket for 4 sensors, 15x17x120 mm, 1/2", brass	14 882
	Spring to replace sensor in sheath 14882	9 185
	Curly spring to fix sensor in pocket	1 497
	Capillary spring, small, 1/2", stainless steel	10 845
	Capillary spring, small, 1/2", stainless steel, 100 pcs	13 563
	Capillary spring, big, 3/4", stainless steel	13 557

Draft Regulators for solid-fuel boilers		Code
	RT4 - 3/4" Thermostatic draft regulator	13 878
	RT4 L - 3/4" Thermostatic draft regulator with longer lever	14 743
	RT4 S - 3/4" Thermostatic draft regulator with 90 degree bend lever, 313 mm	14 716
	RT4 T - 3/4" Thermostatic draft regulator for boilers with higher casing	14 138
	Spare knob and piston kit for RT3	8 217
	Knob for RT4	13 876
	Spare thermostatic element for RT	5 881
Draft Regulators for solid-fuel boilers, electric controlled		Code
	RT3-E Draft regulator, electric controlled	7 191
	RT3-E with TP 546 DT room thermostat	9 139
	RT3-E with TP07 weekly room thermostat	9 138
PG 500 UPS for circulation pumps in solid-fuel boilers		Code
	PG 500 Backup power source for circulation pumps in solid fuel boilers incl. a maintenance-free sealed 18Ah accumulator with 12-year service life. For one standard circulator (of moderate power input or for shorter backup time) or for several low-energy ones.	12 505
	PG 500 Backup power source for circulation pumps in solid fuel boilers incl. a maintenance-free sealed 44Ah accumulator with 12-year service life. For standard circulators, e.g a Wilo 25/4 pump is kept running for at least 5 hours.	9 140
	PG 1000 Backup power supply for circulation pumps in solid fuel boilers incl. a maintenance-free sealed 100Ah accumulator with 12-year service life.	12 435
	PG 1000 Backup power supply for circulation pumps in solid fuel boilers incl. 2 pcs of maintenance-free sealed 100Ah accumulator with 12-year service life.	12 382
Kit of a backup power supply and circulation pump		Code
	Backup power supply incl. a maintenance-free sealed 18 Ah accumulator and Wilo Yonos Para 25/1-6 - 180 - 6/4", 230 V circulation pump, no display	13 182
	Backup power supply incl. a maintenance-free sealed 44 Ah accumulator and Wilo Yonos Para 25/1-6 - 180 - 6/4", 230 V circulation pump, no display	14 502
	Backup power supply incl. a maintenance-free sealed 18 Ah accumulator and two Wilo Yonos Para 25/1-6 - 180 - 6/4", 230 V circulation pumps, no display	13 183



Regulus Two-way Thermal Safety Relief Valves		Code
  	<b>DBV2</b> Thermal Safety Relief Valve with 2 independent thermostatic elements – EN 303-5:2012 compliant. Connections to boiler, cooling water and sewer with 3/4" M threads, opening temperature 97°C ± 2°C.	14 043
	<b>DBV1</b> Thermal Relief Valve for solid fuel boilers without a cooling heat exchanger, connection to boiler, cooling water and sewer 3/4" M, 97 °C ± 2 °C opening temperature, thermostatic element sensor immersed in heating water	8 066
Regulus One-way Thermal Relief Valves		Code
	<b>JBV1</b> One-way Thermal Relief Valve for solid fuel boilers with a recooling heat exchanger, connection to boiler 1/2" M, connection to both cooling water and sewer 3/4" M, 97 °C ± 2 °C opening temperature, thermostatic element sensor immersed in heating water	8 877
Thermal Safety Relief Valves for solid fuel boilers, EN 303-5:2012 compliant		
      	<b>1.3 m fixed capillary, 140 mm sheath, G 1/2" M</b>	<b>Code</b>
	BVTS Thermal Safety Relief Valve, 3/4"F, 95 °C	14 477
	BVTS Thermal Safety Relief Valve, 3/4"F, 97 °C	14 480
	BVTS Thermal Safety Relief Valve, 3/4"F, 108 °C	14 483
	BVTS Thermal Safety Relief Valve, 3/4"F, 70 °C	14 476
	BVTS Thermal Safety Relief Valve, 3/4"F, 65 °C	14 475
	BVTS Thermal Safety Relief Valve, 3/4"F, 55 °C	14 474
	<b>1.3 m detachable capillary, 140 mm sheath, G 1/2" M</b>	<b>Code</b>
	BVTS Thermal Safety Relief Valve, 3/4"F, 50 °C	14 473
	BVTS Thermal Safety Relief Valve, 3/4"F, 95 °C	14 479
	BVTS Thermal Safety Relief Valve, 3/4"F, 100 °C	14 481
	<b>4 m fixed capillary, 140 mm sheath, G 1/2" M</b>	<b>Code</b>
	BVTS Thermal Safety Relief Valve, 3/4"F, 95 °C	14 478
	<b>nickel-plated, 1.3 m fixed capillary, 140 mm sheath, G 1/2" M</b>	<b>Code</b>
	BVTS Thermal Safety Relief Valve, nickel-plated, 3/4"F, 97 °C	14 713

BVTS valves are made upon order also with detachable capillary or extended sheath.




Anti-Condensation Thermostatic Mixing valves in brass, for solid fuel boilers with automatic bypass balancing		
	<b>TSV3B DN 25, 3x 1"</b>	<b>Code</b>
	TSV3B 45 °C thermostatic valve	11 282
	TSV3B 55 °C thermostatic valve	11 281
	TSV3B 65 °C thermostatic valve	10 080
	<b>TSV3BF DN 25, 2x 1" F + 6/4" F union nut, 6/4"x1" FF nipple</b>	<b>Code</b>
	TSV3BF 45 °C thermostatic valve - kit for circulation pump	13 095
	TSV3BF 55 °C thermostatic valve - kit for circulation pump	13 096
	TSV3BF 65 °C thermostatic valve - kit for circulation pump	13 097
	<b>TSV3BM DN25, 3x 1" M</b>	<b>Code</b>
	TSV3BM 45 °C thermostatic valve	13 977
	TSV3BM 55 °C thermostatic valve	13 978
	TSV3BM 65 °C thermostatic valve	13 979
	<b>TSV3BMF DN25, 2x 1" M + 1" F union nut</b>	<b>Code</b>
	TSV3BMF 45 °C thermostatic valve	13 980
	TSV3BMF 55 °C thermostatic valve	13 981
	TSV3BMF 65 °C thermostatic valve	13 982
	<b>TSV5B DN 32, 3x 5/4" F</b>	<b>Code</b>
	TSV5B 45 °C thermostatic valve	11 806
	TSV5B 55 °C thermostatic valve	11 807
	TSV5B 65 °C thermostatic valve	11 808
	<b>TSV6B DN 40, 3x 6/4" F</b>	<b>Code</b>
	TSV6B 45 °C thermostatic valve	12 974
	TSV6B 55 °C thermostatic valve	12 975
	TSV6B 65 °C thermostatic valve	12 976
	<b>TSV8B DN 50, 3x 2" F</b>	<b>Code</b>
	TSV8B 45 °C thermostatic valve	12 977
	TSV8B 55 °C thermostatic valve	12 978
	TSV8B 65 °C thermostatic valve	12 979
Anti-Condensation Thermostatic Mixing valves in brass, for solid fuel boilers – external bypass balancing valve needed		
	<b>TSV3 DN 25, 3x 1"</b>	<b>Code</b>
	TSV3 65 °C thermostatic valve - for ATMOS boilers	10 347
	TSV3 77 °C thermostatic valve - for ATMOS boilers	10 742
	<b>TSV5 DN 32, 3x 5/4" F</b>	<b>Code</b>
	TSV5 65 °C thermostatic valve - for ATMOS boilers	11 804
	TSV5 77 °C thermostatic valve - for ATMOS boilers	11 836
	<b>TSV6 DN 40, 3x 6/4" F</b>	<b>Code</b>
	TSV6 65 °C thermostatic valve - for ATMOS boilers	11 821
	<b>TSV8 DN 50, 3x 2" F</b>	<b>Code</b>
	TSV8 65 °C thermostatic valve - for ATMOS boilers	11 819

Insulated Pump Stations with thermostatic mixing		Code
	REGOMAT E 45 Insulated Pump Station with TSV3B 45°C, Grundfos UMP3 high-efficiency pump, thermometer and ball valve	14 925
	REGOMAT E 55 Insulated Pump Station with TSV3B 55°C, Grundfos UMP3 high-efficiency pump, thermometer and ball valve	14 926
	REGOMAT E 65 Insulated Pump Station with TSV3B 65°C, Grundfos UMP3 high-efficiency pump, thermometer and ball valve	14 927
Insulated Pump Stations with electric actuated mixing		Code
	CSE MIX Insulated Pump Station with 3-way mixing valve and actuator, Grundfos UMP3 high-efficiency pump, 2x G 1" M and 1x G 1" F connections	15 208
	CSE MIX-FIX Insulated Pump Station with 3-way mixing valve and actuator, electronic control for fixed temperature, Grundfos UMP3 high-efficiency pump, 2x G 1" M and 1x G 1" F connections	15 333
Insulated Pump Stations with thermostatic mixing and floating check valve		Code
	ThermoMat 55°C with Grundfos UPM3 AUTO L circulation pump	15 046
	ThermoMat 65°C with Grundfos UPM3 AUTO L circulation pump	15 047
	ThermoMat 70°C with Grundfos UPM3 AUTO L circulation pump	15 048
Uninsulated Pump Stations with thermostatic mixing		Code
	REGOMAT 45 WYP - TSV3B 45 °C + Wilo Yonos PARA 25/1-6 circulation pump	12 943
	REGOMAT 55 WYP - TSV3B 55 °C + Wilo Yonos PARA 25/1-6 circulation pump	12 944
	REGOMAT 65 WYP - TSV3B 65 °C + Wilo Yonos PARA 25/1-6 circulation pump	12 945
Thermostatic Elements – spare parts for TSV B valves		Code
	VB24 Thermostatic element with B closure for TSV3B, 5B valves, 45 °C	12 102
	VB24 Thermostatic element with B closure for TSV3B, 5B valves, 55 °C	12 101
	VB24 Thermostatic element with B closure for TSV3B, 5B valves, 65 °C	12 100
	VB35 Thermostatic element with B closure for TSV6B, 8B valves, 45 °C	13 193
	VB35 Thermostatic element with B closure for TSV6B, 8B valves, 55 °C	13 194
	VB35 Thermostatic element with B closure for TSV6B, 8B valves, 65 °C	13 195
Thermostatic Elements – spare parts for LK810 ThermoMat		Code
	Thermostatic element for LK810 55 °C Pump Station	15 080
	Thermostatic element for LK810 60 °C Pump Station	15 081
	Thermostatic element for LK810 65 °C Pump Station	15 082
	Thermostatic element for LK810 70 °C Pump Station	15 083
Thermal Insulation for Thermostatic Valves		Code
	Thermal insulation for TSV3B thermostatic valve	14 979
	Thermal insulation for TSV5B thermostatic valve	14 980
	Thermal insulation for TSV6B thermostatic valve	11 874
	Thermal insulation for TSV8B thermostatic valve	11 875



Pump Stations with thermostatic mixing and heating circulation pump		Code
	<b>CS TSV 55 YP 25/1-6</b> Thermostatic pump station for a boiler and heating system without accum. tank. Boiler return temp. 55 °C, heating circuit mixed automatically depending on the boiler output. Requires no further controller, no mixing valves.	12 670
	<b>CS TSV 65 YP 25/1-6</b> Thermostatic pump station for boilers and heating systems, without accum. tank. Return water 65 °C, heating circuit mixed according to the boiler output automatically. Requires no further controller, no mixing valves.	12 677
	<b>CS TSV 55 Grundfos</b> Thermostatic pump station for a boiler and heating system without accum. tank. Boiler return temp. 55 °C, heating circuit mixed automatically depending on the boiler output. Requires no extra controller, no mixing valves.	12 209
	<b>CS TSV 65 Grundfos</b> Thermostatic pump station for a boiler and heating system without accum. tank. Boiler return temp. 65 °C, heating circuit mixed automatically depending on the boiler output. Requires no extra controller, no mixing valves.	12 206
Pump Stations with thermostatic mixing, circulation pump and mixing valve for heating		Code
	<b>CS TSV MIX 55 YP 25/1-6</b> Thermostatic pump station for boilers with accumulation tank and heating system. Return water 55 °C, heating circuit mixed by a 3-way valve. <div>no el. actuator</div>	12 675
	<b>CS TSV MIX 65 YP 25/1-6</b> Thermostatic pump station for boilers with accumulation tank and heating system. Return water 65 °C, heating circuit mixed by a 3-way valve. <div>no el. actuator</div>	12 678
	<b>CS TSV MIX 55 Grundfos</b> Thermostatic pump station for a boiler with accum. tank and heating system. Boiler return temp. 55 °C, heating circuit mixed by a 3-way valve. <div>no el. actuator</div>	12 210
	<b>CS TSV MIX 65 Grundfos</b> Thermostatic pump station for a boiler with accum. tank and heating system. Boiler return temp. 65 °C, heating circuit mixed by a 3-way valve. <div>no el. actuator</div>	12 207
	<b>CS TSV MIX 55 P YP 25/1-6</b> Thermostatic pump station for boilers with accumulation tank and heating system. Return water 55 °C, heating circuit mixed by a 3-way valve. <div>with el. actuator</div>	12 676
	<b>CS TSV MIX 65 P YP 25/1-6</b> Thermostatic pump station for boilers with accumulation tank and heating system. Return water 65 °C, heating circuit mixed by a 3-way valve. <div>with el. actuator</div>	13 178
	<b>CS TSV MIX 55 P Grundfos</b> Thermostatic pump station for a boiler with accum. tank and heating system. Boiler return temp. 55 °C, heating circuit mixed by a 3-way valve, with el. actuator. <div>with el. actuator</div>	12 211
	<b>CS TSV MIX 65 P Grundfos</b> Thermostatic pump station for a boiler with accum. tank and heating system. Boiler return temp. 65 °C, heating circuit mixed by a 3-way valve. <div>with el. actuator</div>	12 208



FINAL SALE	Pump Stations	Code
	CS SS ST 25/7 Pump station with Wilo ST25/7-180-6/4" pump, one ball valve with thermometer and one ball valve without thermometer.	13 580
	REGOMAT 45 W - TSV3B 45 °C + Wilo ST 25/7 circulation pump	12 403
	REGOMAT 55 W - TSV3B 55 °C + Wilo ST 25/7 circulation pump	12 404
	REGOMAT 65 W - TSV3B 65 °C + Wilo ST 25/7 circulation pump	12 405
	REGOMAT 45 G - TSV3B 45 °C + Grundfos Alpha 2L 25-40 circulation pump	12 406
	REGOMAT 55 G - TSV3B 55 °C + Grundfos Alpha 2L 25-40 circulation pump	12 407
	REGOMAT 65 G - TSV3B 65 °C + Grundfos Alpha 2L 25-40 circulation pump	12 408
	CS TSV 55 ST 25/7 Pump station with thermostatic mixing and heating circulation pump, for boiler and heating system without thermal store. Boiler return 55°C, automatic heating circuit mixing depending on boiler output. Requires no other controller, no mixing valves.	12 723
	CS TSV 65 ST 25/7 Pump station with thermostatic mixing and heating circulation pump, for boiler and heating system without thermal store. Boiler return 65°C, automatic heating circuit mixing depending on boiler output. Requires no other controller, no mixing valves.	7 699
	CS TSV MIX 65 ST 25/7 Pump station with thermostatic mixing and heating circulation pump, for boiler with thermal store and heating system. Boiler return 65°C, heating circuit mixing via 3-way valve. no el. actuator	7 700
	CS TSV MIX 65 P ST 25/7 Pump station with thermostatic mixing and heating circulation pump, for boiler with thermal store and heating system. Boiler return 65°C, heating circuit mixing via 3-way valve. with el. actuator	8 118

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Pump Stations for heating systems		Code
  	<b>CSE MIX</b> Insulated Pump Station with 3-way mixing valve and actuator, Grundfos UMP3 high-efficiency pump, 2x G 1" M and 1x G 1" F connections	15 208
	<b>CSE MIX-FIX</b> Insulated Pump Station with 3-way mixing valve and actuator, electronic control for fixed temperature, Grundfos UMP3 high-efficiency pump, 2x G 1" M and 1x G 1" F connections	15 333
	<b>CSE OTS UPM3</b> Insulated Pump Station with Grundfos UMP3 high-efficiency pump, 2 ball valves, check valve and thermometer	15 042
	<b>CS OTS YP</b> Pump Station with Wilo Yonos Para 25/1-6 high-efficiency pump, with 1 ball valve with thermometer and 1 ball valve without thermometer.	13 252
Pump Stations for heating circuits with high-efficiency pumps		Code
      	<b>M2 pump station, 1", WILO Yonos Para 25/1-6 high-efficiency circulation pump.</b> Typical use: for unmixed heating circuits with or without thermostatic valves.	12 105
	<b>M2 pump station, 1", Grundfos UPM3 AUTO L high-efficiency circulation pump.</b> Typical use: for unmixed heating circuits with or without thermostatic valves.	14 156
	<b>M2 MIX 3 pump station, 1", Mixing valve with actuator, WILO Yonos Para 25/1-6 high-efficiency circulation pump.</b> Typical use: for mixed heating circuits.	12 106
	<b>M2 MIX 3 pump station, 1", Mixing valve with actuator, Grundfos UPM3 AUTO L 25-70 high-efficiency circulation pump.</b> Typical use: for mixed heating circuits.	14 158
	<b>M2 MIX 3 pump station, 1", Mixing valve (without actuator), Grundfos UPM3 AUTO L 25-70 high-efficiency circulation pump.</b> Typical use: for mixed heating circuits.	14 157
	<b>M2 MIX 3 pump station, 1", Mixing valve with actuator, <b>constant temp.</b>, WILO Yonos Para 25/1-6 high-efficiency circulation pump.</b> Typical use: for mixed heating circuits.	14 110
	<b>M2 MIX 3 pump station, 1", Mixing valve with <b>24 V actuator and 0-10 V control</b>, WILO Yonos Para 25/1-6 high-efficiency circulation pump.</b> Typical use: for mixed heating circuits.	14 341
Wall Bracket for M2 and M3 pump stations		Code
	Wall mount bracket for M2 or M3 pump station, without distributor	11 900

Manifolds for heating systems		Code
	Manifold/collector - two 1" heating circuits with outlet for safety assembly, thermal insulation, 3/4" side port, up to 50 kW	9 186
	Manifold/collector - three 1" heating circuits with outlet for safety assembly, thermal insulation, 3/4" side port, up to 50 kW	9 187
	Insulated safety assembly - 0-4 bar manometer, 3 bar air vent and safety valve	9 797
	Manifold/collector - two 1" heating circuits with insulation	9 507
	Manifold/collector - three 1" heating circuits with insulation	9 508
	Manifold/collector - four 1" heating circuits, 5/4" for heat source, 3/4" side outlet, insulation, up to 70 kW	9 509
	Manifold/collector - five 1" heating circuits, 5/4" for heat source, 3/4" side outlet, thermal insulation, up to 70 kW	9 510
	Manifold/collector - six 1" heating circuits, 5/4" for heat source, 3/4" side outlet, thermal insulation, up to 70 kW	9 511
	Wall support for manifold/collector, set of 2	9 191
Hydraulic Dynamic Pressure Balancers (HVDT)		Code
	Pressure balancer between primary and secondary circuit - 1", max. flow rate 2 m <sup>3</sup> /h	9 188
	Pressure balancer between primary and sec. circuit - 5/4", max. flow rate 3 m <sup>3</sup> /h	9 514
	Wall support for hydraulic pressure balancers code 9188, 9514, set of 2	9 190
	Threaded fitting between a manifold and pressure balancer, G 1" F/F - 1 piece	12 259
	Threaded fitting between a manifold and pressure balancer, G 5/4" F/F - 1 piece	12 260

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## Brass mixing valves

	LK 840 3-way mixing valves, F connection	Code
	3-way mixing valve, 1/2" F, PN10, 110 °C, $K_{vs} = 1.6 \text{ m}^3/\text{h}$	13 998
	3-way mixing valve, 1/2" F, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	11 489
	3-way mixing valve, 3/4" F, PN10, 110 °C, $K_{vs} = 4.0 \text{ m}^3/\text{h}$	14 000
	3-way mixing valve, 3/4" F, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$	10 825
	3-way mixing valve, 1" F, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$	14 010
	3-way mixing valve, 1" F, PN10, 110 °C, $K_{vs} = 8.0 \text{ m}^3/\text{h}$	14 001
	3-way mixing valve, 1" F, PN10, 110 °C, $K_{vs} = 12 \text{ m}^3/\text{h}$	10 630
	3-way mixing valve, 5/4" F, PN10, 110 °C, $K_{vs} = 15 \text{ m}^3/\text{h}$	10 826
	3-way mixing valve, 6/4" F, PN10, 110 °C, $K_{vs} = 24 \text{ m}^3/\text{h}$	12 276
	3-way mixing valve, 2" F, PN10, 110 °C, $K_{vs} = 40 \text{ m}^3/\text{h}$	12 278
	LK 840 3-way mixing valves, M connection	Code
	3-way mixing valve, 3/4" M, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	14 822
	3-way mixing valve, 1" M, PN10, 110 °C, $K_{vs} = 4.0 \text{ m}^3/\text{h}$	14 823
	3-way mixing valve, 1" M, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$	14 824
	3-way mixing valve, 5/4" M, PN10, 110 °C, $K_{vs} = 8.0 \text{ m}^3/\text{h}$	14 825
	3-way mixing valve, 5/4" M, PN10, 110 °C, $K_{vs} = 12.0 \text{ m}^3/\text{h}$	14 826
	3-way mixing valve, 6/4" M, PN10, 110 °C, $K_{vs} = 15.0 \text{ m}^3/\text{h}$	14 827
	3-way mixing valve, 2" M, PN10, 110 °C, $K_{vs} = 24.0 \text{ m}^3/\text{h}$	14 828
	LK 841 4-way mixing valves, F connection	Code
	4-way mixing valve, 1/2" F, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	14 859
	4-way mixing valve, 3/4" F, PN10, 110 °C, $K_{vs} = 4.0 \text{ m}^3/\text{h}$	14 864
	4-way mixing valve, 3/4" F, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$	14 863
	4-way mixing valve, 1" F, PN10, 110 °C, $K_{vs} = 8.0 \text{ m}^3/\text{h}$	14 862
	4-way mixing valve, 1" F, PN10, 110 °C, $K_{vs} = 12 \text{ m}^3/\text{h}$	10 631
	4-way mixing valve, 5/4" F, PN10, 110 °C, $K_{vs} = 15 \text{ m}^3/\text{h}$	10 828
	4-way mixing valve, 6/4" F, PN10, 110 °C, $K_{vs} = 24 \text{ m}^3/\text{h}$	12 664
	4-way mixing valve, 2" F, PN10, 110 °C, $K_{vs} = 40 \text{ m}^3/\text{h}$	12 665
	LK 841 4-way mixing valves, M connection	Code
	4-way mixing valve, 3/4" M, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	14 829
	4-way mixing valve, 1" M, PN10, 110 °C, $K_{vs} = 4.0 \text{ m}^3/\text{h}$	14 830
	4-way mixing valve, 1" M, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$	14 831
	4-way mixing valve, 5/4" M, PN10, 110 °C, $K_{vs} = 8.0 \text{ m}^3/\text{h}$	14 832
	4-way mixing valve, 5/4" M, PN10, 110 °C, $K_{vs} = 12 \text{ m}^3/\text{h}$	14 833
	4-way mixing valve, 6/4" M, PN10, 110 °C, $K_{vs} = 15 \text{ m}^3/\text{h}$	14 834

Actuators for mixing valves with mount kits		Code
	230 V actuator for mixing valve, incl. 2m cable, 60 s, 5 Nm	10 875
	230 V actuator for mixing valve, incl. 2m cable, 120 s, 5 Nm	9 193
	230 V actuator for mixing valve, incl. 2m cable, 120 s, 5 Nm, auxiliary switch	10 878
	230V actuator for mixing valve, incl. 2m cable, 240 s, 5 Nm	10 876
	24 V actuator for mixing valve, incl. 2m cable, 120 s, 5 Nm	11 118
	24 V actuator with 0-10V mixing valve control, incl. 2m cable, 60-120 s, 10 Nm	10 873
	24 V actuator with 0-10V mixing valve control, incl. 2m cable, 60-120 s, 5 Nm	14 682
Actuators, control to fixed temperature		Code
	230V actuator for mixing valve, control to fixed temperature, with one Pt1000 sensor	12 852
	230V actuator for mixing valve, control to fixed temperature, with two Pt1000 sensors, differential thermostat – suitable to control constant return temperature for solid fuel boilers and to switch off a circulator when boiler extinguishes	12 853
Mixing valves - kits		
	LK840 with actuator	Code
	3-way mixing valve, 3/4" F, with 230V actuator, 120 s	13 229
	3-way mixing valve, 1" F, with 230V actuator, 120 s	13 230
	LK840 with actuator and circulation pump	Code
	3-way mixing valve, 3/4" F, with 230V actuator, 120 s, and Wilo Yonos 25/1-6 pump	13 231
	3-way mixing valve, 1" F, with 230V actuator, 120 s, and Wilo Yonos 25/1-6 pump	13 232
Insulation for LK Mixing Valves		Code
	Insulation for LK840 3-way valve, 1/2" and 3/4" M and F, 1" M	14 981
	Insulation for LK840 3-way valve, 1" F, 5/4" M and F, 6/4" M	14 982
	Insulation for LK841 1/2" and 3/4" M and F, 1" M	14 983
	Insulation for LK841 1" F, 5/4" M and F, 6/4" M	14 984






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High-efficiency circulation pumps for heating systems		Code
	Wilo Yonos Pico 25/1-4 Pump, 180 - 6/4", 230 V, with display showing actual energy consumption	12 130
	Wilo Yonos Pico 25/1-6 Pump, 180 - 6/4", 230 V, with display showing actual energy consumption	12 131
	Wilo Stratos PICO 25/1-4 - 180- 6/4", 230 V, with LCD display and Dynamic Adapt function, incl. insulation	10 163
	Wilo Stratos PICO 25/1-6 - 180- 6/4", 230 V, with LCD display and Dynamic Adapt function, incl. insulation	10 164
	Grundfos ALPHA2 L 25-40 180 pump, 1x230 V, no display	12 190
	Grundfos ALPHA2 L 25-60 180 pump, 1x230 V, no display	12 163
	Grundfos ALPHA2 25-40 - 180 - 6/4" pump, 230 V, with display showing actual energy consumption and AUTOADAPT function	12 189
	Grundfos ALPHA2 25-60 - 180 - 6/4" pump, 230 V, with display showing actual energy consumption and AUTOADAPT function	12 149
High-efficiency circulation pumps for solar systems		Code
	Wilo Yonos Pico STG 25/1-7,5 - 180 - 6/4", 230 V	15 198
High-efficiency circulation pumps for drinking water		Code
	Wilo Star-Z NOVA, 1x230 V, no display	10 666
	Grundfos COMFORT UP 15-14B PM pump, 1x230 V, no display	12 194
	Grundfos COMFORT UP 15-14BA PM pump, 1x230 V, with display	12 193
Accessories to circulation pumps		Code
	6/4" gasket	9 710
	Brass hex nipple 1 1/2" x 1" incl. gasket (1 piece)	5 597
	Brass hex nipple 1 1/2" x 1" with ball valve incl. gasket (1 piece)	15 200
	Ball valve 1 1/2" x 1"	15 305
	Ball valve 1 1/2" x 1" with check valve	14 890




Regulus VZK zone ball valves with bidirectional actuator, PN16 single-pole control		Code
	VZK 215-230-1P, 1/2" F, DN15, 230 V, 30 s/90°, $K_{vs} = 8,5 \text{ m}^3/\text{h}$	11 288
	VZK 220-230-1P, 3/4" F, DN20, 230 V, 30 s/90°, $K_{vs} = 20 \text{ m}^3/\text{h}$	10 344
	VZK 225-230-1P, 1" F, DN25, 230 V, 30 s/90°, $K_{vs} = 30 \text{ m}^3/\text{h}$	11 289
Regulus VZP Zone Valves, PN 16, with return spring		Code
	VZP 215-230-1P, 1/2" F, $K_{vs} = 2.2 \text{ m}^3/\text{h}$ , auxiliary microswitch	12 856
	VZP 220-230-1P, 3/4" F, $K_{vs} = 3.0 \text{ m}^3/\text{h}$ , auxiliary microswitch	12 857
	VZP 225-230-1P, 1" F, $K_{vs} = 4.6 \text{ m}^3/\text{h}$ , auxiliary microswitch	12 858
SF Zone valves PN 10 with return spring		Code
	SF-15-2-M1, 1/2", female, microswitch	3 349
	SF-20-2, 3/4", female	575
	SF-20-2-E, 3/4", male	5 784
	SF-20-2-M1, 3/4", female, microswitch	579
	SF-25-2, 1", female	603
	SF-25-2-E, 1", male	3 989
	SF-25-2-M1, 1", female, microswitch	614
	SF-25-2-M1, 1", female, microswitch, inverse function N.O.	4 773
LK 525 Zone gate valves, bidirectional actuator, PN 10 single-pole control		Code
	LK525 Cu22, 3-way, DN20, 230 V, 8 s/90°, with actuator and cable, $K_{vs} = 11 \text{ m}^3/\text{h}$	14 896
	LK525 Cu28, 3-way, DN25, 230 V, 8 s/90°, with actuator and cable, $K_{vs} = 11 \text{ m}^3/\text{h}$	14 897
	LK525 1" M, 2-way, DN25, 230V, 12 s/90°, with actuator and cable, $K_{vs} = 11 \text{ m}^3/\text{h}$	12 874
	LK525 5/4" M, 2-way, DN32, 230V, 12 s/90°, with actuator and cable, $K_{vs} = 11 \text{ m}^3/\text{h}$	12 875
	Adapter for LK525 valve, for actuator max. temp. increase to 120 °C	11 278
	Sealing O-ring for Cu28 pipes	13 393
VMR Zone gate valves, bidirectional actuator, PN 10		Code
	VMR 20-2 3/4" F SPST, CR M1S, 230 V, terminal, microswitch	6 288
	VMR 25-2E 1" M, SPDT, CR M1S, 230 V, terminal, microswitch	7 431
	VMR 25-2 1" F, SPST, CR M1S, 230 V, terminal, microswitch	6 630
Cables for VMR zone valves		Code
	Cable for VMR, 3x0,75, l = 1000 mm	3 283
	Cable for VMR, 3x0,75, l = 1500 mm	4 294
	Cable for VMR, 3x0,75, with switch, l = 1000 mm	3 284
Box with fuse		Code
	IP44 protected box with 2A fuse, to power supply valves with single-pole control (VZK, LK and VMR zone valves)	11 685

EV Solenoid 2-way valves				
    	<b>EV251B solenoid valves with 230V coil, terminal, NBR membrane, 0-10 bar, NC, for open and sealed systems</b>			<b>Code</b>
	EV251B 10B Solenoid valve, G3/8" FF	032U538031	12 264	
	EV251B 12B Solenoid valve, G1/2" FF	032U538131	11 054	
	EV251B 18B Solenoid valve, G3/4" FF	032U538231	11 055	
	EV251B 22B Solenoid valve, G1" FF	032U538331	11 056	
	<b>EV220 B valve bodies, EPDM membrane, 0.1-20 bar, indirect control, for open systems</b>			<b>Code</b>
	EV220B NC valve body, G 3/8" FF	032U1241	12 265	
	EV220B NC valve body, G 1/2" FF	032U1251	12 266	
	<b>EV220 B valve bodies, EPDM membrane, 0.3-16 bar, indirect control</b>			<b>Code</b>
	EV220B NC valve body, G 1/2" FF	032U7115	12 267	
	EV220B NC valve body, G 3/4" FF	032U7120	12 268	
	<b>Clip-on coils for EV valves</b>			<b>Code</b>
	BB 230AS Solenoid coil, 230 VAC	018F7351	12 269	
	BB 024AS Solenoid coil, 24 VAC	018F7358	12 270	
	Terminal for BB coil, IP 65	042N0156	12 271	
<b>Belimo ball valves, PN 16, suitable also for drinking water</b>				<b>Code</b>
	3-way valve DN15 without actuator, G 1/2"F - elbow	R315BL	8 001	
	3-way valve DN20 without actuator, G 3/4"F - elbow	R320BL	8 002	
	3-way valve DN25 without actuator, G 1"F - elbow	R325BL	8 003	
	3-way valve DN25 without actuator, G 1"F - Tee	R325	9 203	
	3-way valve DN32 without actuator, G 5/4"F - Tee	R332	9 204	
	3-way valve DN40 without actuator, G 6/4"F - Tee	R340	9 205	
	3-way valve DN50 without actuator, G 2"F - Tee	R350	9 206	
	<b>Actuators for Belimo ball valves</b>			<b>Code</b>
	230VAC actuator for 2- and 3-way valves, NC safety function, auxiliary microswitch, 2 Nm	DN 15-20	TRF230-S	10 462
	230VAC actuator for 3-way valves, 5 Nm	DN 15-25	LR230A	8 004
	230VAC actuator for 3-way valves, 10 Nm	DN 32-40	NR230A	9 207
	230VAC actuator for 3-way valves, 20 Nm	DN 50-80	SR230A	9 208
<b>Regulus VZK-S 3-way motorized ball valves, PN16, double-pole control (mixing possible), suitable also for drinking water</b>				<b>Code</b>
	3-way ball valve, 1/2" F, DN15, 110°C, Kvs=10.5 m3/h, 230V actuator, 48 s, 15 Nm	13 589		
	3-way ball valve, 3/4" F, DN20, 110°C, Kvs=10.5 m3/h, 230V actuator, 48 s, 15 Nm	11 286		
	3-way ball valve, 1" F, DN25, 110°C, Kvs=14 m3/h, 230V actuator, 48 s, 15 Nm	11 287		



Regulus VZK 3-way zone ball valves, PN16, single-pole control (open when shifting), suitable also for drinking water		Code
	VZK 315-230-1P R, 1/2" F, DN15, 230 V, 60 s/90°, $K_{vs} = 10,5 \text{ m}^3/\text{h}$	13 602
	VZK 320-230-1P R, 3/4" F, DN20, 230 V, 60 s/90°, $K_{vs} = 10,5 \text{ m}^3/\text{h}$	13 603
	VZK 325-230-1P R, 1" F, DN25, 230 V, 60 s/90°, $K_{vs} = 14 \text{ m}^3/\text{h}$	13 604
Regulus VZK zone ball valves with bidirectional actuator, PN16 single-pole control		Code
	VZK 315-230-1P, 1/2" F, DN15, 230 V, 64 s/180°, $K_{vs} = 5 \text{ m}^3/\text{h}$	11 292
	VZK 320-230-1P, 3/4" F, DN20, 230 V, 64 s/180°, $K_{vs} = 7 \text{ m}^3/\text{h}$	11 293
	VZK 325-230-1P, 1" F, DN25, 230 V, 64 s/180°, $K_{vs} = 11 \text{ m}^3/\text{h}$	11 294
Regulus VZP Zone Valves, PN 16, with return spring		Code
	VZP 315-230-1P, 1/2" F, $K_{vs} = 2.2 \text{ m}^3/\text{h}$ , auxiliary microswitch	12 854
	VZP 320-230-1P, 3/4" F, $K_{vs} = 3.0 \text{ m}^3/\text{h}$ , auxiliary microswitch	12 855
	VZP 325-230-1P, 1" F, $K_{vs} = 4.6 \text{ m}^3/\text{h}$ , auxiliary microswitch	9 658
SF Zone valves PN 10 with return spring		Code
	SF-15-M1, 1/2", female, microswitch	4 170
	SF-20-E, 3/4", male	624
	SF-20-E-M1, 3/4", male, microswitch	640
	SF-20-M1, 3/4", female, microswitch	958
	SF-20, 3/4", female, 24 V	4 283
	SF-25, 1", female	642
	SF-25-E, 1", male	4 223
	SF-25-E-M1, 1", male, microswitch	644
	SF-25-M1, 1", female, microswitch	645
	SF-25-M1S, 1", female, microswitch SPDT	3 628
LK 525 Zone gate valves, bidirectional actuator, PN 10 single-pole control		Code
	LK525 Cu22, 3-way, DN20, 230 V, 8 s/90°, with actuator and cable, $K_{vs} = 8 \text{ m}^3/\text{h}$	14 883
	LK525 Cu28, 3-way, DN25, 230 V, 8 s/90°, with actuator and cable, $K_{vs} = 8 \text{ m}^3/\text{h}$	14 884
	LK525 1" M, DN25, 230 V, 8 s/90°, with actuator and cable, $K_{vs} = 8 \text{ m}^3/\text{h}$	11 284
	LK525 5/4" M, DN32, 230 V, 8 s/90°, with actuator and cable, $K_{vs} = 8 \text{ m}^3/\text{h}$	11 285
	Threaded fittings for LK525, 5/4"x1", set of 3	12 699
	Soldering threaded fittings for LK525, 5/4"xCu28, set of 3	12 700
	Adapter for LK525 valve, for actuator max. temp. increase to 120 °C	11 278
	Sealing O-ring for Cu28 pipes	13 393
VMR Zone gate valves, bidirectional actuator, PN 10		Code
	VMR 20-E, 3/4" M, SPST, single-pole control, 230 V, with cable	3 127
	VMR 20-E, 3/4" M, SPDT, double-pole control, 230 V, with terminal, without cable	3 279
	VMR 25, 1" F, SPDT, double-pole control, 230 V, with terminal, without cable	3 280
	VMR 25-E, 1" M, SPDT, double-pole control, 230 V, with terminal, without cable	3 370
	VMR 25-E, 1" M, SPST, single-pole control, 230 V, with terminal, without cable	3 282
	<b>Cables for VMR zone valves</b>	<b>Code</b>
	Cable for VMR, 3x0,75, l = 1000 mm	3 283
	Cable for VMR, 3x0,75, l = 1500 mm	4 294
	Cable for VMR, 3x0,75, with switch, l = 1000 mm	3 284
Box with fuse		Code
	IP44 protected box with 2A fuse, to power supply valves with single-pole control (VZK, LK and VMR zone valves)	11 685

Regulus Wmix Anti-Scald Valves, outlet in the middle		
	Knob adjustable, no check valves	Code
	Anti-Scald Valve Wmix-K S20, 30-65 °C, G 3/4" M, $K_{vs}=0.9$ m <sup>3</sup> /h	12 023
	Anti-Scald Valve Wmix-K S25, 30-65 °C, G 1" M, $K_{vs}=1.0$ m <sup>3</sup> /h	12 020
	Anti-Scald Valve Wmix-K S32, 30-65 °C, G 5/4" M, $K_{vs}=4.0$ m <sup>3</sup> /h	12 025
	Knob adjustable, with check valves and strainers	Code
	Anti-Scald Valve Wmix-K S20, 30-65 °C, G 3/4" M, $K_{vs}=0.9$ m <sup>3</sup> /h incl. 3 threaded fittings and G 1/2" M inlet check valves with strainer	11 663
	Anti-Scald Valve Wmix-K S25, 30-65 °C, G 1" M, $K_{vs}=1.0$ m <sup>3</sup> /h incl. 3 threaded fittings and G 3/4" M inlet check valves with strainer	11 664
	Anti-Scald Valve Wmix-K S32, 30-65 °C, G 5/4" M, $K_{vs}=4.0$ m <sup>3</sup> /h incl. 3 threaded fittings and G 1" M inlet check valves with strainer	11 674
	Allen key adjustable, no check valves	Code
	Allen key adjustable Anti-Scald Valve Wmix-I S20, 30-65 °C, G 3/4" M, $K_{vs}=0.9$ m <sup>3</sup> /h	12 027
	Allen key adjustable Anti-Scald Valve Wmix-I S25, 30-65 °C, G 1" M, $K_{vs}=1.0$ m <sup>3</sup> /h	12 028
	Allen key adjustable, with check valves and strainers	Code
	Allen key adjustable Anti-Scald Valve Wmix-I S20, 30-65 °C, G 3/4" M, $K_{vs}=0.9$ m <sup>3</sup> /h, incl. 3 threaded fittings and G 1/2" M inlet check valves with strainer	12 033
	Allen key adjustable Anti-Scald Valve Wmix-I S25, 30-65 °C, G 1" M, $K_{vs}=1.0$ m <sup>3</sup> /h, incl. 3 threaded fittings and G 3/4" M inlet check valves with strainer	12 034
	Fixed temperature, 48 °C	Code
	Anti-Scald Valve Wmix-I S25, 48 °C fixed temp., G 1" M, $K_{vs}=1.0$ m <sup>3</sup> /h	12 029
	Fixed temperature, 48 °C, with check valves and strainers	Code
	Anti-Scald Valve Wmix-I S25, 48 °C fixed temp., G 1" M, $K_{vs}=1.0$ m <sup>3</sup> /h, incl. 3 threaded fittings and G 3/4" M inlet check valves with strainer	11 366
Anti-Scald Valves, outlet in the middle		Code
	TSV-TV-MT52HC -Anti-Scald Valve, high flow, 20-70 °C, 5/4" M, $K_{vs}=6.1$ m <sup>3</sup> /h	7 079

## Regulus Wmix Anti-Scald Valves, side outlet

	Knob adjustable, no check valves	Code
	Anti-Scald Valve TVmix, 35-65 °C, G 1/2" M, Kvs=1.3 m3/h	14 508
	Anti-Scald Valve TVmix, 35-65 °C, G 3/4" M, Kvs=1.6 m3/h	14 509
	Anti-Scald Valve TVmix, 35-65 °C, G 1" M, Kvs=1.8 m3/h	14 510
	Anti-Scald Valve TVmix, 35-65 °C, G 1/2" F, Kvs=1.6 m3/h	14 511
	Anti-Scald Valve TVmix, 35-65 °C, G 3/4" F, Kvs=1.8 m3/h	14 512
	Anti-Scald Valve TVmix, 35-65 °C, Cu 15x1, Kvs=1.3 m3/h	14 513
	Anti-Scald Valve TVmix, 35-65 °C, Cu 22x1, Kvs=1.8 m3/h	14 515
	Knob adjustable, with check valves	Code
	Anti-Scald Valve TVmix, 35-65 °C, G 1/2" M, check valve	14 903
	Anti-Scald Valve TVmix, 35-65 °C, G 3/4" M, check valve	14 904

## Thermostatic Mixing Valves for DHW, side outlet

	TERMOMIX 22 – Thermostatic Valve for DHW, 38-65 °C, Cu 22x1 connection, K <sub>vs</sub> =2.2 m3/h, incl. 1 cold-water check valve and pipe fittings	10 303
	Check valve to be incorporated into TERMOMIX (only if connected to Cu 22x1 pipe)	10 591
	TERMOMIX 1/2 - thermostatic valve for DHW, 38-65 °C, G 1/2", K <sub>vs</sub> =1.2 m3/h	10 874
	TERMOMIX 3/4 - thermostatic valve for DHW, 38-65 °C, G 3/4", K <sub>vs</sub> =2.2 m3/h	11 057
	Check valve for integration into TERMOMIX 3/4 (only if G 3/4" thread is used)	11 058

SOL

HP

HEV

FP

ACG

EHE

EV

CON

BPG

HSC

CH

PI

FAL

FPP

## Safety valves for heating systems 110 °C max.

**F/F connections****Code**

1.5 bar Safety valve, 1/2" FF	11 891
2 bar Safety valve, 1/2" FF	11 892
2.5 bar Safety valve, 1/2" FF	11 897
3 bar Safety valve, 1/2" FF	605
4 bar Safety valve, 1/2" FF	11 901
6 bar Safety valve, 1/2" FF	11 903
1.5 bar Safety valve, 3/4" FF	15 383
2 bar Safety valve, 3/4" FF	15 384
2.5 bar Safety valve, 3/4" FF	15 385
3 bar Safety valve, 3/4" FF	15 386
4 bar Safety valve, 3/4" FF	15 387
6 bar Safety valve, 3/4" FF	15 388
2.5 bar Safety valve, 1" FF	15 396
3 bar Safety valve, 1" FF	15 397
4 bar Safety valve, 1" FF	15 398
6 bar Safety valve, 1" FF	15 399

**M/F connections****Code**

1.5 bar Safety valve, 1/2" MF	13 063
2 bar Safety valve, 1/2" MF	11 894
2.5 bar Safety valve, 1/2" MF	923
3 bar Safety valve, 1/2" MF	791
4 bar Safety valve, 1/2" MF	11 902
6 bar Safety valve, 1/2" MF	11 904
1.5 bar Safety valve, 3/4" MF	15 389
2 bar Safety valve, 3/4" MF	15 390
2.5 bar Safety valve, 3/4" MF	15 391
3 bar Safety valve, 3/4" MF	15 392
4 bar Safety valve, 3/4" MF	15 393
6 bar Safety valve, 3/4" MF	15 394

**F/F connections, reducer****Code**

2.5 bar Safety valve, 1/2"x3/4" FF	15 375
3 bar Safety valve, 1/2"x3/4" FF	15 376
4 bar Safety valve, 1/2"x3/4" FF	15 377
6 bar Safety valve, 1/2"x3/4" FF	15 378
2.5 bar Safety valve, 3/4"x1" FF	11 896
3 bar Safety valve, 3/4"x1" FF	11 898
4 bar Safety valve, 3/4"x1" FF	15 395
6 bar Safety valve, 3/4"x1" FF	11 905
3 bar Safety valve, 1"x5/4" FF	15 120
4 bar Safety valve, 1"x5/4" FF	15 121
6 bar Safety valve, 1"x5/4" FF	15 122
10 bar Safety valve, 1"x5/4" FF	15 366





























**M/F connections, reducer****Code**



2.5 bar Safety valve, 1/2"x3/4" MF	15 379
3 bar Safety valve, 1/2"x3/4" MF	15 380
4 bar Safety valve, 1/2"x3/4" MF	15 381
6 bar Safety valve, 1/2"x3/4" MF	15 382









**Drain Funnel for safety valve outlet, F/F****Code**

Funnel 1/2" F/F	14 062
Funnel 3/4" F/F	14 063
Funnel 1" F/F	14 064
Funnel 5/4" F/F	14 065



Fittings to connect boilers and hydronic fireplaces to heating system		Code
    	G 1" T-piece with union nut, to connect boiler flow to heating system	15 490
	G 1" strainer with union nut, to connect boiler flow to heating system	15 491
	G 1" F ball valve with union nut	15 412
	Connection kit – boiler to TSV/Regomat and to heating system, incl. 2 G 1" F ball valves with union nut	15 492
	Insulated Safety Assembly – 2 bar safety valve, air vent valve, 0-4 bar pressure gauge	15 090
	Insulated Safety Assembly – 3 bar safety valve, air vent valve, 0-4 bar pressure gauge	15 306
Ball valves with lever, drinking water certified		Code
       	1/2" Ball valve, F/F	11 965
	3/4" Ball valve, F/F	11 966
	1" Ball valve, F/F	11 967
	5/4" Ball valve, F/F	11 968
	6/4" Ball valve, F/F	11 969
	2" Ball valve, F/F	11 970
	2 1/2" Ball valve, F/F	11 971
	3" Ball valve, F/F	11 972
Ball Valves for gas		Code
              	Angled ball valve for gas, butterfly - 1/2" M x 1/2" F (nut)	14 817
	Angled ball valve for gas, butterfly - 1/2" M x 3/4" F (nut)	14 840
	Angled ball valve for gas, butterfly - 3/4" M x 3/4" F (nut)	14 816
	Straight ball valve for gas, butterfly - 1/2" F x 1/2" F	14 774
	Straight ball valve for gas, butterfly - 3/4" F x 3/4" F	14 776
	Straight ball valve for gas, butterfly - 1" F x 1" F	14 777
	Straight ball valve for gas, lever - 1/2" F x 1/2" F	14 778
	Straight ball valve for gas, lever - 3/4" F x 3/4" F	14 779
	Straight ball valve for gas, lever - 1" F x 1" F	14 780
	Straight ball valve for gas, butterfly - 1/2" M x 1/2" F	14 782
	Straight ball valve for gas, butterfly - 3/4" M x 3/4" F	14 783
	Straight ball valve for gas, butterfly - 1" M x 1" F	14 784
	Straight ball valve for gas, lever - 1/2" M x 1/2" F	14 785
	Straight ball valve for gas, lever - 3/4" M x 3/4" F	14 786
	Straight ball valve for gas, lever - 1" M x 1" F	14 787

Check valves, 120 °C, 25 bar		Code
	1/2" FF Check valve	11 907
	3/4" FF Check valve	11 908
	1" FF Check valve	11 906
	5/4" FF Check valve	11 909
Drain valves, 110 °C, 10 bar		Code
	1/2" drain valve, black plastic handle	4 229
	1/2" drain valve, red metal handle	4 741
	1/2" drain valve, no handle, with cap	11 713
	3/4" drain valve, no handle, with cap	11 714
Air vent valves, 110 °C, 10 bar		Code
	OV1 – 1/2" air vent valve complete with check valve, top outlet	5 373
	OV2 – 3/8" air vent valve complete with check valve, top outlet	5 601
	1/2" Automatic air vent valve with check valve, top outlet	11 722
	3/8" Automatic air vent valve with check valve, top outlet	11 721
	1/2" Automatic air vent valve with check valve, side outlet	11 726
	3/8" Automatic air vent valve with check valve, side outlet	11 725
	1/2" Automatic air vent valve with check valve, side inlet, top outlet	11 724
	3/8" Automatic air vent valve with check valve, side inlet, top outlet	11 723
Pressure reducing valve		Code
	Pressure reducing valve 1 to 4 bar, inlet 15 bar max. - 1/2"	660
	Pressure reducing valve 1 to 4 bar, inlet 15 bar max. - 3/4"	661
	Pressure reducing valve 0,5 to 6 bar, inlet 25 bar max. - 1"	15 086
Thermostatic Head and Radiator Valves		
	Thermostatic Head	Code
	Regulus THBRV Thermostatic Head, M30x1.5	11 616
	Radiator valves for thermostatic head, for radiator inlet, male thread	Code
	Radiator valve for thermostatic head, straight, G 3/8" M	11 880
	Radiator valve for thermostatic head, straight, G 1/2" M	11 881
	Radiator valve for thermostatic head, angled, G 3/8" M	11 878
	Radiator valve for thermostatic head, angled, G 1/2" M	11 879
	Radiator valves for thermostatic head, for radiator inlet, female thread	Code
	Radiator valve for thermostatic head, straight, G 3/8" F	12 342
	Radiator valve for thermostatic head, straight, G 1/2" F	12 343
	Radiator valve for thermostatic head, angled, G 3/8" F	12 340
	Radiator valve for thermostatic head, angled, G 1/2" F	12 341
	Lockshield valves (for return line), male thread	Code
	Lockshield valve, straight, G 3/8"M	11 974
	Lockshield valve, straight, G 1/2"M	11 975
	Lockshield valve, angled, G 3/8"M	11 976
	Lockshield valve, angled, G 1/2"M	11 977
	Lockshield valves (for return line) - female thread	Code
	Lockshield valve, straight, G 3/8" F	12 336
	Lockshield valve, straight, G 1/2" F	12 337
	Lockshield valve, angled, G 3/8" F	12 338
	Lockshield valve, angled, G 1/2" F	12 339

Cleaning pumps for scale removal from heating systems		Code
   	DOS25 V4V pressure cleaning pump with 4-way valve, for calcareous sediments removal from a heat exchanger or heating circuit. Flow direction can be changed, flow rate max. 56 l/min, 10 m head.	590
	DOS40 V4V pressure cleaning pump with 4-way valve, for calcareous sediments removal from a heat exchanger or heating circuit. Flow direction can be changed, flow rate max. 70 l/min, 13 m head.	7 786
	TARTARUGA V4V pressure cleaning pump with 4-way valve, for calcareous sediments removal from a heat exchanger or heating circuit. Flow direction can be changed, flow rate max. 18 l/min, 7 m head.	5 990
	Manual filling pump to fill fluid into solar thermal systems and cleaning/protective chemicals to heating systems	15 111
Liquids for cleaning pumps		Kód
  	Detex, 10 kg plastic container, for descaling steel+copper	649
	Mantex SP, 1 kg container, for descaling stainless steel, brass, copper+tin	650
	Mantex SNO, 10 kg plastic container, for descaling aluminum	2 134
	N-105 neutralization liquid, 10 kg plastic container, to remove residual acidity	4 006
Liquids for heating systems		
     	Heating system protectors	Kód
	MR 501/F protective liquid for heating systems (1 l)	434
	MR 501/P protective liquid for heating systems with plastic pipes (1 l)	4 402
	Heating system cleaners	Kód
	MR-501/X cleaner for heating systems, scale remover (1 l)	8 781
	MR 501/R cleaner for heating systems (1 l)	433
	MR 501/D cleaning anticorrosion fluid for new heating systems (1 l)	14 685
	Sealants for heating systems	Kód
	STOP LEAK sealing agent for heating circuits, 1 l bottle	14 624
	EPOSTIX Two-part epoxy putty, 50 g, for sealing leaks and holes in pipes	10 281

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Boiler cleaning and maintenance		Code
	ALU CLEANER A+B – cleaning of Al combustion chambers in condens. boilers	13 249
	EC-MIX Bar for ecological cleaning of oil boilers (185 g)	1 368
	Metano Therm spray, cleaning of flue gas heat exchangers (400 ml)	1 977
	Metano Therm liquid, 10 kg packing	424
	Zincol spray, for cold zinc-plating (400 ml)	428
SISEAL - thread sealing putty		Code
	S26 Siseal 26 thread sealant, 50 g	931
	S24 Siseal 24 thread sealant, 100 g	436
	S25 Siseal 25 thread sealant, 250 g	520
Sealing yarns		Code
	TWINE SEAL sealing yarn, 175 m, for use up to 240 °C	10 293
	Tangit UNI-LOCK sealing yarn, 80 m	3 723
	Tangit UNI-LOCK sealing yarn, 160 m	5 783
Sealing tape		Code
	Silicone sealing tape, 15 m	10 283
Hemp		Code
	Hemp 1000 g De luxe, heavy duty packing	10 289
	Kolgas-uni 400 g sealing paste for threaded and flanged connections, for use with hemp or gaskets	10 279


## Antifreeze fluid for Regulus solar collectors

	» <b>SOLARTEN SUPER</b> - fluid based on mono propylene glycol. Extended warranty for Regulus flat plate collectors is valid only when this fluid is used.	Code
	Solarten super, 5 l container	10 109
	Solarten super, 10 l container	10 110
	Solarten super, 25 l container	10 069
	Solarten super, 60 l container	10 111
	Solarten super, 200 l barrel	10 112
	» <b>SOLARTEN HT</b> is a fluid based on heavy glycols with low freezing point for thermally highly stressed solar thermal systems. It must not be mixed with Solarten Super fluid. Extended warranty for Regulus evacuated-tube collectors is valid only when this fluid is used.	Code
	Solarten HT, 5 l container	14 951
	Solarten HT, 10 l container	14 095
	Solarten HT, 25 l container	14 096
	Solarten HT, 60 l container	14 952
	Solarten HT, 200 l barrel	14 953

## Antifreeze fluids for heating and cooling systems, incl. heat pump primary circuits

	CONVECT heat R, 5 l plastic container Antifreeze heat transfer fluid with anti-corrosion protection. Concentrated. Dilution ratio/freezing point: 1:2 /-19 °C, 1:2,25/-15 °C, 1:3 /-13 °C	11 430
	CONVECT heat R, 25 l plastic container Antifreeze heat transfer fluid with anti-corrosion protection. Concentrated. Dilution ratio/freezing point: 1:2 /-19 °C, 1:2,25/-15 °C, 1:3 /-13 °C	10 769
	CONVECT heat R, 200 l plastic barrel Antifreeze heat transfer fluid with anti-corrosion protection. Concentrated. Dilution ratio/freezing point: 1:2 /-19 °C, 1:2,25/-15 °C, 1:3 /-13 °C	x 11 493

## Accessories for handling antifreeze fluid

	Refractometer - for measurements of antifreeze fluid properties in solar systems	6 933
	Manual filling pump to replenish solar thermal systems with solar fluid and fill heating systems with cleaning and protective chemicals	15 111
	Electric filling pump for filling solar systems from a 25l or 60l jerry can, DIN61 connection	9 688
	Filling push cart for solar systems, 1.1 kW power input. Max. volume flow 60 l/min., max. working pressure 5 bar	9 561

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SICURFLEX Flexible yellow stainless steel pipes for gas		Code
	1/2" Sicurflex pipe, DN 12, 4m bulk pack	13 459
	1/2" Sicurflex pipe, DN 12, 30m roll	13 460
	1/2" nut with NBR gasket, for gas	13 634
	3/4" Sicurflex pipe, DN 15, 4m bulk pack	13 461
	3/4" Sicurflex pipe, DN 15, 30m roll	13 462
	3/4" nut with NBR gasket, for gas	13 635
	1" Sicurflex pipe, DN 20, 4m bulk pack	13 463
	1" Sicurflex pipe, DN 20, 30m roll	13 464
	1" nut with NBR gasket, for gas	13 636
Accessories to Sicurflex		Code
	Adhesive yellow duct tape - for gas pipes - 15 m	13 940
	Pipe cutter	713
	1/2", 3/4" clamp - for DN 12 and DN 15 gas pipes	13 939
	1/2", 1" clamp - for DN 12 and DN 20 gas pipes	14 088
	Tube template rammer	3 430
	DN 12 Wall clamp with M8 head, screw and dowel included.	14 160
	DN 15 Wall clamp with M8 head, screw and dowel included.	14 161
	DN 20 Wall clamp with M8 head, screw and dowel included.	14 162
Gaskets for Sicurflex gas pipes		Code
	NBR gasket for 1/2" nut, for gas	14 090
	NBR gasket for 3/4" nut, for gas	14 091
	NBR gasket for 1" nut, for gas	14 092



## SOLARFLEX A - DUO, pre-insulated twinway stainless-steel tubes with cable in EPDM insulation, for solar systems with insulation surface protection only



<i>insulation thickness of 13 mm</i>	<b>Code</b>
Twinway DN 12 stainless-steel tube, 10 m, incl. 4 nuts with lock rings and rim nipple	12 929
Twinway DN 12 stainless-steel tube, 15 m, incl. 4 nuts with lock rings and rim nipple	12 919
Twinway DN 12 stainless-steel tube, 50 m	14 901
Twinway DN 16 stainless-steel tube, 10 m, incl. 4 nuts with lock rings and rim nipple	9 916
Twinway DN 16 stainless-steel tube, 15 m, incl. 4 nuts with lock rings and rim nipple	9 619
Twinway DN 16 stainless-steel tube, 50 m	10 564
Twinway DN 20 stainless-steel tube, 10 m, incl. 4 nuts with lock rings and rim nipple	9 917
Twinway DN 20 stainless-steel tube, 15 m, incl. 4 nuts with lock rings and rim nipple	9 620
Twinway DN 20 stainless-steel tube, 50 m	10 565

## SOLARFLEX A - MONO, pre-insulated single stainless-steel pipe in EPDM insulation, for solar systems with insulation surface protection only



<i>insulation thickness of 13 mm</i>	<b>Code</b>
DN 12 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12 895
DN 126 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12 897
DN 12 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12 896
DN 12 stainless-steel pipe, 50 m	12 898
DN 16 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12 899
DN 16 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12 900
DN 16 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12 901
DN 16 stainless-steel pipe, 50 m	12 902
DN 20 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12 903
DN 20 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12 904
DN 20 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12 905
DN 20 stainless-steel pipe, 50 m	12 906
<i>insulation thickness of 19 mm</i>	<b>Code</b>
DN 12 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12 907
DN 126 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12 910
DN 12 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12 909
DN 12 stainless-steel pipe, 50 m	14 902
DN 16 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12 911
DN 16 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12 912
DN 16 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12 913
DN 16 stainless-steel pipe, 50 m	12 914
DN 20 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12 915
DN 20 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12 916
DN 20 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12 917
DN 20 stainless-steel pipe, 50 m	12 918

## Accessories to SOLARFLEX A stainless steel pipes



	<b>Code</b>
Set of 4 nuts, lock rings, gaskets and 1/2" rim nipple for DN 12 pipe	14 841
Lock rings for 1/2" nuts for DN 12 pipes	10 469
1/2" nut for DN 12 pipes	12 920
Rim nipple 1/2" M/M	6 971
Wall clamps for twinway DN 12 stainless-steel pipe – set of 4	12 934
Wall clamps for single stainless-steel pipe DN12– set of 4	12 922
Set of 4 nuts, lock rings, gaskets and 3/4" rim nipple for DN 16 pipe	9 644
Lock rings for 3/4" nuts for DN 16 pipes	8 802
3/4" nut for DN 16 pipes	8 799
Rim nipple 3/4" M/M	6 970
Wall clamps for twinway DN 16 stainless-steel pipe – set of 4	9 641
Wall clamps for single DN 16-20 stainless-steel pipe – set of 4	12 932
Set of 4 nuts, lock rings, gaskets and 1" rim nipple for DN 20 pipe	9 645
Lock rings for 1" nuts for DN 20 pipes	8 803
1" nut for DN 20 pipes	8 800
Rim nipple 1" M/M	6 969
Wall clamps for twin DN 20 stainless-steel pipe – set of 4	9 646
Wall clamps for single DN 16-20stainless-steel pipe – set of 4	12 932

KOMBIFLEX Flexible stainless steel tubes for water and solar appl.		Code
	Pipe d = 8.1 mm (3/8" nut), 2 m	3 713
	3/8" Nut with gasket, nickel-plated brass	769
	Pipe d = 13 mm (1/2" nut), 4 m	3 093
	Pipe d = 13 mm (1/2" nut) 30 m roll - price per meter	4 654
	1/2" Nut+gasket - nickel-plated brass	770
	Pipe d = 15.7 mm (3/4" nut), 4 m	3 094
	Pipe d = 15.7 mm (3/4" nut), 30 m - price per meter	4 655
	3/4" Nut+gasket - nickel-plated brass	771
	Pipe d = 19.7 mm (1" nut), 4 m	3 267
	Pipe d = 19.7 mm (1" nut), 30 m - price per meter	4 656
	1" Nut+gasket - nickel-plated brass	3 343
	Pipe d = 26.5 mm (5/4" nut), 20 m - price per meter	3 379
	5/4" Nut+gasket - nickel-plated brass	3 344
Pre-insulated Kombiflex stainless-steel pipe in EPDM rubber insulation for water and solar systems		
	<i>insulation thickness of 13 mm on single pipes</i>	<b>Code</b>
	DN12 pipe (1/2" nut) in 13 mm insulation, 30 m packing	8 075
	DN16 pipe (3/4" nut) in 13 mm insulation, 30 m packing	8 076
	DN 20 pipe (1" nut) in 13 mm insulation, 30 m packing	8 077
	<i>insulation thickness of 19 mm on single pipes</i>	<b>Code</b>
	DN12 pipe (1/2" nut) in 19 mm insulation, 30 m packing	8 078
	DN16 pipe (3/4" nut) in 19 mm insulation, 30 m packing	8 079
	DN 20 pipe (1" nut) in 20 mm insulation, 30 m packing	8 080
Accessories to KOMBIFLEX		Code
	Pipe cutter, DN 8 to DN 20	713
	DN 8 and DN 20 clamp (3/8" + 1")	3 659
	DN 12 and DN 16 clamp (1/2" + 3/4")	720
	DN 25 clamp (5/4")	7 597
	Tube template rammer, DN 8 to DN 20 (3/8" - 1")	3 430
	Tube template rammer, DN 25 (5/4")	7 596
	Tool case (rammer, cutter, DN12+16, 8+20 clamps, 4x10 nuts - 3/8", 1/2", 3/4", 1")	3 834
	<b>Asbestos-free gaskets for Kombiflex water and sol.app. - 2 mm thick</b>	<b>Code</b>
	3/8" nut gasket - 8.5x15 mm	5 667
	1/2" nut gasket - 11.2x18.5 mm	5 553
	3/4" nut gasket - 15x24 mm	5 554
	1" nut gasket - 18.5x30 mm	5 668
	5/4" nut gasket - 25x39 mm	6 799
	6/4" nut gasket - 34x44 mm	11 584
	<b>PTFE Gaskets for solar systems – 2 mm</b>	<b>Code</b>
	3/8" PTFE nut gasket - 8,5 x 15 mm	9 976
	1/2" and 1/2" EKO PTFE nut gasket - 11,2 x 18,5 mm	9 977
	3/4" PTFE nut gasket - 15 x 24 mm	9 978
	1" PTFE nut gasket - 18,5 x 30 mm	9 980
	5/4" PTFE nut gasket - 25 x 39 mm	9 981

**Brass hex nipples with upsized sealing surface for Kombiflex and Sicurflex**

	<b>M/M hex nipple</b>	<b>Code</b>
	3/8" M/M hex nipple	6 972
	1/2" M/M hex nipple	6 971
	3/4" M/M hex nipple	6 970
	1" M/M hex nipple	6 969
	1 1/4" M/M hex nipple	6 973
	6/4" M/M hex nipple	7 627
	<b>M/M reducing nipple</b>	<b>Code</b>
	1/2"-3/8" M/M reducing nipple	6 968
	3/4"-1/2" M/M reducing nipple	6 965
	1"-3/4" M/M reducing nipple	6 967
	5/4"-3/4" M/M reducing nipple	8 270
	5/4"-1" M/M reducing nipple	6 966
	6/4"-1" M/M reducing nipple	8 766
	6/4"-5/4" reducing nipple	8 767
	<b>M/F reducer</b>	<b>Code</b>
	1/2"-3/4" M/F reducer	6 964
	1"-3/4" M/F reducer	14 306
	1"-1/2" M/F reducer	14 307
	5/4"-1" M/F reducer	13 395
	5/4"-1/2" M/F reducer	8 564
	6/4"-1" M/F reducer	7 882
	<b>F/M adapter</b>	<b>Code</b>
	3/4"-3/4" F/M adapter	14 304
	1"-1" F/M adapter	14 305
	<b>F/M reducing adapter</b>	<b>Code</b>
	3/4"-1/2" F/M reducing adapter	9 151
	1"-3/4" F/M reducing adapter	13 366
	6/4"-1" F/M reducing adapter	14 494
	<b>T-piece with outer threads</b>	<b>Code</b>
	T-piece 1/2" MMM	15 175
	T-piece 3/4" MMM	15 176
	T-piece 1" MMM	15 177
	<b>Reducing T-piece with outer threads</b>	<b>Code</b>
	Reducing T-piece 3/4" x 1/2" x 3/4" MMM	15 178
	Reducing T-piece 1" x 3/4" x 1" MMM	15 179
	<b>T-piece with inner threads</b>	<b>Code</b>
	T-piece 1/2" FFF	3 206
	T-piece 3/4" FFF	7 180
	T-piece 1" FFF	15 184
	T-piece 6/4" FFF	8 757

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EPDM insulation for heating and solar systems, resistant to UV radiat., DN <sub>a</sub> shows the insulation hole diam. i.e. max. outer diam. of pipes (mm)			
	<b>Insulation, 13 mm thick</b>	<b>packed in cardboard</b>	<b>Code</b>
	Insulation DN <sub>a</sub> 10	140 m*	6 442
	Insulation DN <sub>a</sub> 13	120 m*	6 443
	Insulation DN <sub>a</sub> 16	100 m*	6 444
	Insulation DN <sub>a</sub> 18 - sold by the meter	30 m	7 426
	Insulation DN <sub>a</sub> 22 - sold by the meter	22 m	7 473
	Insulation DN <sub>a</sub> 28	56 m*	6 447
	Insulation DN <sub>a</sub> 35	40 m*	7 187
	<b>Insulation, 19 mm thick</b>	<b>packed in cardboard</b>	<b>Code</b>
	Insulation DN <sub>a</sub> 15	56 m*	7 053
	Insulation DN <sub>a</sub> 18 - sold by the meter	13 m	7 346
	Insulation DN <sub>a</sub> 18, self-adhesive, cut lengthwise	48 m*	7 189
	Insulation DN <sub>a</sub> 22 - sold by the meter	11 m	7 347
	Insulation DN <sub>a</sub> 22, self-adhesive, cut lengthwise	40 m*	7 190
	Insulation DN <sub>a</sub> 28, sold by the meter	10 m	12 155
	Insulation DN <sub>a</sub> 28, self-adhesive, cut lengthwise	36 m*	9 391
	Insulation DN <sub>a</sub> 35	32 m*	7 188
	Insulation DN <sub>a</sub> 35, self-adhesive, cut lengthwise	32 m*	9 392
	<b>Accessories to insulation</b>		<b>Code</b>
	Aerotape insulation tape 50 mm x 10 m - 3 mm thick		6 450
	Protape insulation tape 50 mm x 25 m - 0.6 mm thick		7 252
	Insulation roll 1 m wide, 13 mm thick, packing 11 m, sold by 1 sqm		7 418
	Glue 250 g with a brush		6 452
	Glue 700 g		6 451

Pipe insulation is available also in 2 m pieces and their multiplications  
Also bigger sizes or board insulation can be supplied upon order.

Concentric flue ducts, 60/100 diam., slide-on version, A2-white varnish			Code
	Set of 60/100 horizontal flue pipe + elbow 8222, Al/Fe	A20011098	8 221
	Set of 60/100 horizontal flue pipe + elbow 8515, Al/Fe	A20011111	8 511
	Set of 60/100 horizontal flue pipe + elbow 8517	A20011116	8 516
	Set of 60/100 horizontal flue pipe and terminal, Al/Fe	A20011107	8 223
	1 m Extension, Al/Fe	A2007002	7 636
	1 m Extension, Al/Al	A20011114	4 115
	0.25 m Extension, Al/Fe	A2007000	9 594
	0.5 m Extension, Al/Al	A20011113	4 116
	0.5 m Extension, Al/Fe	A2007001	1 888
	Pipe with inspection hole, 0.33 m long	A2001609	8 433
	90° Elbow with upsized flange and inspection hole	A2007065	14 311
	90° Elbow with upsized flange and tap holes	A20011096	8 222
	90° Elbow with tap holes, flanged	A2001879	7 486
	90° Elbow, flanged, cast aluminum	A2001084	2 076
	90° Elbow with upsized rotating plastic flange, with tap holes	A20011114	8 515
	90° Elbow, Al/Fe	A2001699	7 478
	90° Elbow, cast aluminum	A2001844	2 078
	90° Elbow, Al/Fe, inspection hole	A2001839	8 431
	90° Elbow Al/Fe, with clamp	A20011115	8 517
	45° Elbow, Al/Fe	A2001081	9 092

Concentric flue ducts, 60/100 diam., slide-on version, A2-white varnish			Code
	Condensate discharge section, horizontal	A2001142	5 429
	Condensate discharge section, vertical	A2001244	4 663
	Upsized flange with tap holes and condensate discharge	A20011097	8 224
	Upsized rotating plastic flange with tap holes and condensate discharge	A20011113	8 460
	Flanged section with tap holes	A2001755	1 057
	Boiler coupling, with clamp, tap holes and condensate discharge	A20011127	8 225
	Spigot coupling, Al/Al	A2001122	2 161
	Clamp and sleeve	A2015017	5 911
	Sealing O-ring, diam. 60 mm, 2 lips	A1013071	1 851
	Sealing O-ring, diam. 100 mm, 2 lips, grey silicone - intake only	A1015165	6 434
	Inner wall sealing collar	A1015078	1 081
	Outer wall sealing collar	A1015082	1 184
	Termination diam. 60/100, intake/exhaust, conical	A1001504	3 217
	Flue terminal, connection 60/100, out 125 mm	A5021000	305
	Flue terminal, connection 60/100, out 125 mm, anti-condensing	A5023184	11 797
	Flue terminal, connection 60/100, out 100 mm	A5023061	5 752

Roof flashings and other common accessories now on page 96.



Concentric flue ducts, 80/125 diam., slide-on version, A2-white varnish			Code
	Horizontal flue terminal, plastic termination	A2005170	11 526
	1 m Extension, Al/Fe	A2009018	1 698
	0.5 m Extension, Al/Fe	A2009017	7 002
	Section with inspection hole, 0.31 m long	A2005149	8 434
	90° Elbow	A2005018	5 583
	90° Elbow with tap holes	A2005030	7 646
	90° Elbow with inspection hole	A2005120	8 432
	45° Elbow	A2005019	6 007
	Section for condensate discharge, horizontal	A2005035	6 008
	Section for condensate discharge, vertical	A2005098	6 010
	Reducing couple, diam. 60/100-80/125, F-M, Al/Al	A2005037	6 009
	Sleeve and clamp	A2018010	995
	Flange, diam. 60/100 x 80/125, with tap holes and condensate discharge	A2005006	6 006
	Sealing ring, diam. 80, 2 lips, red	A1011905	1 448
	Sealing O-ring, diam. 125 mm, 2 lips, grey silicone - intake only	A1018041	6 462
	Sealing collar, inner (outer)	A1018027	3 776
	Vertical concentric flue terminal, diam. 80/125 mm	A5021001	175
	Vertical concentric flue terminal, diam. 80/125 mm, anti-condensing	A5023183	11 795

Roof flashings and other common accessories now on page 96.

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Twin flue ducts, diam. 80, A2-white varnish			Code
	0.25 m Extension	A2011030	9 599
	0.5 m Extension	A2011017	1 991
	0.5 m Extension, 1.5 mm thick	A2011038	4 120
	1 m Extension	A2011004	1 990
	1 m Extension, 1.5 mm thick	A2011039	4 119
	2 m Extension	A2011120	8 784
	Section with inspection hole, 0.31 m long	A2011666	2 008
	Chimney spacer, stainless steel	A1012005	1 961
	Chimney bracket, stainless steel	A1012006	2 189
	Flue pipe with stainless steel termination, 1 m	A2011008	2 100
	Flue pipe with stainless steel term., 1 m, 1.5 mm thick	A2011526	4 118
	Flue pipe with stainless steel termination, 0.5 m	A2011026	2 099
	Intake pipe with plastic termination, 1 m	A2011012	2 101
	90° Elbow	A2011122	2 096
	90° Elbow with tap hole	A2011657	7 304
	90° Elbow with inspection hole	A2011684	2 009
	45° Elbow	A2011131	2 095
	45° Elbow with tap hole	A2011656	7 303
	T-piece, diam. 80, with condensate discharge - for chimney	A2012053	2 191
	Chimney support bracket for T-piece	A5012034	8 202
	Reducing piece inner diam. 57 to inner diam. 80	A2011314	7 307
	Section with condensate discharge, vertical	A2011082	3 691
	Section with condensate discharge, horizontal	A2011198	2 197
	Sleeve and clamp	A2011151	2 158

Twin flue ducts, diam. 80, A2-white varnish			Code
	Twin flue adaptor kit, screw connection	A2011096	2 097
	Twin flue adaptor kit with tap holes, screw connection	A2011097	2 098
	Twin flue adaptor kit, 60/100 connection, sleeve system (no sleeve included)	A2011834	7 764
	Twin flue adaptor kit, screw connection, with tap holes and condensate discharge	A2011188	2 985
	Twin flue adaptor kit with upsized rotating flange and tap holes (DAGAS)	A2011594	7 474
	Flange diam. 60/100 for indoor air intake x diam. 80 out	A2001108	4 679
	Sealing ring, diam. 80, 2 lips, red	A1011905	1 448
	Sealing O-ring, diam. 80 mm, 3 lips, for elbows 2095,2096	A1011889	9 699
	Inner wall sealing collar	A1011403	1 020
	Outer wall sealing collar	A1011408	1 021
	Termination, diam. 80, exhaust, stainless steel	A1011154	4 754
	Termination, diam. 80, exhaust only	A5023012	8 167
	Air/Flue chimney 2x80 mm, diam. 125 mm	A5021002	3 777
	1x 80 mm Chimney for exhaust, diam. 125 mm	A5021003	1 303
	1x 80 mm Chimney for exhaust, diam. 125 mm, with flashing	PTA5380	10 502

Roof flashings and other common accessories now on page 96.

Single flue ducts, diam. 60, 1.5 mm thick		Code
	A1013027 1 m Extension	2 193
	A1013026 0.5 m Extension	2 192
	A1013002 90° Elbow	2 093
	A1013004 Coupler	1 573
	A2013017 Condensate discharge section, horizontal	2 198
Single flue ducts, diam. 100, 1.5 mm thick		Code
	A2015006 1 m Extension	2 092
	A2015003 0.5 m Extension	2 090
	A2015011 90° Elbow	2 088
	A2015015 45° Elbow	4 214
	A2015061 Flange with tap hole	7 120
	A2015000 Flange for boiler	67
	A2015048 Ceiling suspension for flue ducts, d = 100 mm	7 046
	A1015077 Sealing O-ring, diam. 100 mm, 2 lips	1 852
Concentric flue ducts, diam. 60/100, outer pipe plast, inner AL		Code
	BB002002 pipe with plastic conical termination	K 3 213
	BB002038 pipe, plastic termination, with elbow, no flange	K 4 717
	BB002023 thru-wall section, 60/100, PVC	203
	BB002001 1 m Extension	2 120
	BB002052 1 m Extension, inner pipe 1.5 mm thick	K 3 404
	BB002007 0.5 m Extension	2 138
	BB002006 90° Elbow	K 2 020
	BB002009 90° Elbow, flanged	K 711
	BB002005 45° Elbow	2 021














**K - inner pipe 1.5 mm thick**

Coaxial Flue Pipes, diam. 60/100 PP/PP for condensing boilers			Code
	Horizontal flue terminal, plastic termination	A2008004	14 613
	0.25 m Extension	A2008160	14 609
	0.5 m Extension	A2008161	14 610
	1 m Extension	A2008162	14 611
	2 m Extension	A2008079	14 612
	Section with inspection hole, 0.31m long	BB012100	14 616
	90° Elbow	A2008008	14 608
	90° Elbow with inspection hole	A2008128	14 615
	45° Elbow	A2002057	14 607
Flue ducts, diam. 80/125 PP, for condensing boilers			Code
	Horizontal flue pipe, plastic termination	A2010012	14 666
	0.5 m Extension	A2010001	14 661
	1 m Extension	A2010011	14 662
	2 m Extension	A2010024	14 663
	90° Elbow	BB013045	14 665
	45° Elbow	BB013044	14 664

Flue ducts, diam. 60/100 PP for condensing boilers, inner pipe PP, outer white varnish			Code
	Horizontal flue terminal, 0.86 m, plastic termination	A2008004	4 677
	0.25 m Extension	A2008160	9 595
	0.5 m Extension	A2008161	9 596
	1 m Extension	A2008162	9 597
	2 m Extension	A2008079	8 514
	Section with inspection hole, 0.31m long	A2002126	13 835
	90° Elbow with flange	A2002025	6 384
	90° Elbow with flange and tap holes, rotating	A2008021	7 216
	90° Elbow	A2008008	6 653
	90° Elbow with inspection hole	A2008128	12 756
	45° Elbow	A2002057	6 140
	Flanged section with tap holes	A2002007	4 673
	Boiler coupling with tap holes	A2002091	7 807
	Inner wall sealing collar	A1015160	1 081
	Outer wall sealing collar	A1015082	1 184
	Sealing O-ring, diam. 100 mm, 2 lips, grey silicone - intake only	A1015165	6 434
	Termination diam. 60/100, intake/exhaust, conical	BB002098	14 692
	Vertical Concentric Flue Terminal, 60/100, diam. 125 out, black	A5023165	11 253
	Vertical Concentric Flue Terminal, 60/100, diam. 125 out, red	A6023165	11 254

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Flue ducts, diam. 80/125 PP, for condensing boilers, inner pipe polypropylene, outer white varnish			Code
	Horizontal flue pipe, concentric, plastic termination, 0.9m	A2010012	7 003
	0.25 m Extension	A2010000	9 598
	0.5 m Extension	A2010001	4 675
	1 m Extension	A2010011	7 004
	2 m Extension	A2010024	8 513
	Section with inspection hole	A2006086	11 265
	90° Elbow	A2006105	4 676
	90° Elbow, with tap holes	A2006108	7 649
	90° Elbow, with inspection hole	A2006107	7 648
	45° Elbow	A2006106	6 432
	Boiler adapter, with tap holes, 60/100 - 80/125	A2006069	7 806
	Boiler adapter, with sleeve clamp, 60/100 - 80/125	A2006070	7 808
	Flanged adapter, diam. 60/100 - 80/125, with tap holes	A2006010	4 678
	Flanged adapter, diam. 80/105 - 80/125, with tap holes	A2006025	7 468
	Inner/outer wall sealing collar	A1018027	3 776
	Sealing O-ring, diam. 125 mm, 2 lips, with protrusions - intake only	A1018071	10 601
	Sealing O-ring, diam. 125 mm, 2 lips, grey silicone - intake only	A1018041	6 462
	Vertical Concentric Flue Terminal, 80/125, black	A5023166	11 255
	Vertical Concentric Flue Terminal, 80/125, red	A6023166	11 256

Roof flashings and other common accessories now on page 96.

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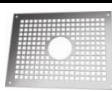



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Flue ducts, diam. 60, for condensing boilers, polypropylene			Code
	0.5 m Extension	BB004039	8 813
	1 m Extension	BB004037	8 814
	2 m Extension	BB004034	11 251
	0.5 m Extension, UV resistant	BN004039	14 561
	1 m Extension, UV resistant	BN004037	14 562
	2 m Extension, UV resistant	BN004034	14 563
	Flexible extension, 19.5 m, no gasket	BB004071	8 812
	Flexible extension, sold by the meter*	BB004071D	13 073
	Sealing O-ring, 2 lips, for flexible extension	MGN06014	9 058
	Chimney T-piece, M-M-F	BB004007	8 807
	Plug with condensate trap, for T-piece	BB004010	8 811
	Chimney support bracket for T-piece	A5012034	8 202
	90° Chimney elbow + its support bracket	A1012091	12 108
	90° Elbow	BB004024	8 815
	45° Elbow	BB004025	8 816
	Reducing coupler, diam. 60/80 F/M, l=134 mm	BB011012	7 943
	Reducing piece, diam. 80/60 M/F, PP	BB011084	7 470
	Sealing ring, diam. 60, 3 blades	A1013020	4 671
	Sealing O-ring, diam. 60, 3 lips, with protrusions	A1013184	4 672

\* Due to its design, flexible extension can be divided in 1m sections, in these lengths only:  
1.5m, 2.5m, 3.5m etc.

Roof flashings and other common accessories now on page 96.

Almeva Flue ducts, diam. 80, for condensing boilers, polypropylene, bulk package			Code
	0.25 m Extension	PPRM08	8 654
	0.5 m Extension	PPRM58	8 547
	1 m Extension	PPRM18	8 548
	2 m Extension	PPRM28	8 549
	Section with inspection hole	PPRTD8	8 550
	90° Elbow	PPSB98	8 567
	45° Elbow	PPSB48	8 566
	90° Elbow with inspection hole	PPRB98	8 551
	90° Chimney elbow + its support bracket	PPTU08	8 554
	Round gasket, black, diam. 80, for PPH-A only	ZUMD08	8 810
	Chimney spacer (6 segments in pack – no. of segments per diam: 3x 60mm, 4x 80mm, 5x 100mm, 6x 125mm)	PPFR60	8 869
	Grate with opening, diam. 80	ZUBL08	8 579
	Termin. pipe 80 mm diam., l=500, UV resistant, PPH-A	PPRS58	11 302
	Chimney termination, diam. 80 mm	PPSAS8	8 555
	Intake termination, black, diam. 80-100 mm	ZUAV52	12 120

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Flue ducts, diam. 80, for condensing boilers, polypropylene			Code
	Horizontal flue terminal, 1 m, exhaust	BB011017	6 144
	Horizontal air intake with termination, 0.94 m	BB011016	6 435
	0.11 m Extension	BB011136	7 469
	0.25 m Extension	BB011004	9 600
	0.5 m Extension	BB011005	4 666
	1 m Extension	BB011006	6 141
	2 m Extension	BB011061	7 885
	Flexible extension, 1.5 m	BB011116	6 874
	Flexible extension, 19.5 m, no sealing	BB011090	7 502
	Flexible extension, sold by the meter*	BB011237	12 868
	Sealing O-ring, 3 lips	A1011883	7 449
	90° Elbow	BB011371	6 143
	90° Elbow, with tap hole	BB011373	7 652
	90° Elbow, with inspection hole	BB011374	12 755
	45° Elbow	BB011372	6 142
	Flue pipe section with round inspection hole	BB011094	11 511
	Chimney T-piece, M-M-F	BB011093	7 424
	Plug with condensate trap, for T-piece	A1012064	7 425
	Chimney support bracket for T-piece	A5012034	8 202
	Chimney T-piece with plug and support bracket	A1012097	11 955
	Chimney elbow + its support bracket	A1012122	11 954
	90° Chimney elbow + its metal support bracket	A5012123	8 201

\* Due to its design, flexible extension can be divided in 1m sections, in these lengths only: 1.5m, 2.5m, 3.5m etc.

Flue ducts, diam. 100 PP, for condensing boilers, polypropylene			Code
	Flue pipe with termination	BB005034	7 121
	0.5 m Extension	BB005019	8 211
	1 m Extension	BB005020	8 212
	Flexible extension, 19.5 m	BB005021	8 213
	Flexible extension, sold by the meter*	BB005021D	13 074
	Sealing O-ring, 2 lips, for flexible extension	A1015059	9 616
	Flue pipe section with round inspection hole	BB005129	14 988
	90° Chimney elbow + its support bracket	A1012093	12 409
	Chimney T-piece, M-M-F	BB005022	8 214
	Plug with condensate trap, for T-piece	BB005028	7 005
	Chimney support bracket for T-piece	A5012034	8 202
	Chimney spacer for flexible ducts only	BN005024	7 001
	90° Elbow	BB005018	8 210
	90° Elbow with inspection hole	BB005073	12 472
	45° Elbow	BB005017	8 209
	Reducing coupler, diam. 80/100 M/F, l = 120 mm	BB005029	8 441
	Sealing ring, diam. 100, 3 blades, with protrusions	A1015208	9 615
	Vertical Exhaust Flue Terminal, diam. 100, for roof tile with 100 mm opening	A5023177	12 410

\* Due to its design, flexible extension can be divided in 1m sections, in these lengths only:  
1.5m, 2.5m, 3.5m etc.  
Roof flashings and other common accessories now on page 96.

Flue ducts, diam. 80, for condensing boilers, polypropylene			Code
	Twin flue adaptor, 80/125 in	BB011265	12 110
	Twin flue adaptor with tap holes, 80/125 in, O-rings	A2011600	7 472
	Twin flue adaptor with sleeve clamp, 60/100 in, O-rings	BB011266	12 111
	Twin flue adaptor with tap holes, 60/100 in, O-rings	BB011264	12 109
	Flange diam. 60/100-80, with indoor air intake	A2002044	7 471
	Boiler flanges, diam. 80, air+flue, set	BB011053	6 383
	Reducing coupler, diam. 80/60 M/F, l=134 mm	BB011012	7 943
	Reducing piece, diam. 80/60 M/F, PP	BB011084	7 470
	Chimney spacer	A1012005	1 961
	Chimney bracket, stainless steel	A1012006	2 189
	Chimney spacer for flexible ducts only	BN011091	7 419
	Inner wall sealing collar	A1011403	1 020
	Outer wall sealing collar	A1011408	1 021
	Sealing ring, diam. 80, 1 lip	A10111057	13 047
	Sealing ring, diam. 80, 3 lips, with protrusions	A1011500	4 668
	0.5m Extension, UV resistant	BN011005	13 902
	1m Extension, UV resistant	BN011006	13 903
	2m Extension, UV resistant	BN011061	13 904
	Termination, diam. 80, exhaust, stainless steel	A1011154	4 754
	Termination, diam. 80, exhaust only	A5023138	14 693
	Flue terminal 2x80, outer diam. 125 mm	A5023167	11 257
	Flue terminal 1x80, outer diam. 125 mm	A5023168	11 258
	1x 80 mm flue terminal, diam. 125 mm, with flashing	A5023169	11 259

Roof flashings and other common accessories now on page 96.



Flue ducts, diam. 125 PP, for condensing boilers, polypropylene			Code
	0.5 m Extension	BB015005	9 683
	1 m Extension	BB015001	9 684
	2 m Extension	BB015014	14 547
	Flexible extension, 24.5 m	BB015023	14 549
	Flexible extension, sold by the meter*	BB015023D	15 041
	Elbow diam. 125, 45°, PP	BB015006	9 672
	Elbow diam. 125, 90°, PP	BB015000	9 671
	90° Elbow with inspection hole	BB015037	14 553
	90° Elbow incl. chimney support	A1012094	14 546
	Chimney T-piece, MMF	BB015018	14 548
	T-piece lid for condensate discharge	BB015041	14 574
	Chimney support bracket for T-piece	A5012034	8 202
	Reducing coupler, diam. 100/125 MF	BB015032	14 550
	Sealing O-ring, 2 lips	A1018063	14 604
	Sealing O-ring, 3 lips with protrusions	A1018064	14 605
	Extension for cascades diam. 125, 45° wye and elbow diam. 100, PP	BB015010	9 675
	Insert - adapter diam. 80/100 for cascades, 3-piece set incl. non-return flap, PP	BB005065	9 682
	Non return flap, diam. 80, for boiler series	BB011377	14 567
	Lid for diam. 125 for cascades, condensate discharge and plug	BB015015	10 218

\* Due to its design, flexible extension can be divided in 1m sections, in these lengths only:  
1.5m, 2.5m, 3.5m etc.

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Stainless-steel outdoor ducts, 80/125 mm, PP for cond.boilers			Code
	Extension diam. 80/125, l = 1000 mm, PPH-A/Inox	APRB18	8 641
	Extension diam. 80/125, l = 500 mm, PPH-A/Inox	APRB58	8 640
	Extension diam. 80/125, l = 250 mm, PPH-A/Inox	APRB08	8 639
	Socket for cut ducts, diam. 80/125	APMKB8	9 382
	Joint reinforcing sleeve clamp, diam. 125 (only for loose termination above the roofing where the last pipe cannot be fixed in a wall clamp)	APKLB8	9 381
	45° elbow diam. 80/125, PPH-A/Inox	APBB48	8 643
	T-piece diam. 80/125 with inspection, PPH-A/Inox	APRTB8	8 642
	90° Chimney elbow, diam. 80/125, with aspiration, PPH-A/Inox + its support bracket	APWKB8	8 645
	90° Chimney elbow diam. 80/125, PPH-A/Inox with 0.5 m extension	APSBB8	15 209
	Wall bracket (8645) extension, 50-150 mm	APW1B8	8 669
	Wall bracket extension, 130-250 mm, for code 8669	APW2B8	8 670
	Wall bracket extension, 220-330 mm, for code 8669	APW3B8	8 694
	Bracket for pipe 80/125, PPH-A/Inox	APWHB8	8 668
	Extension for bracket 8668	APVUBU	8 649
	Thru-wall pipe extension, 80/125, l = 400 mm, PPH-A/Inox	APWDB8	9 457
	Termination diam. 80/125, PPH-A/Inox, for code 8647	APMSB8	8 648
	Chimney diam. 81/125, no termination, PPH-A/Inox	APDA48	8 647

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Various accessories to flue ducts			Code
	Neutralization filter, 3/4", incl. cartridge, PN 8 - to neutralize condensate from condens. boilers up to 100 kW output - flow rate max. 18 l/min., 0.2 bar pressure drop		13 899
	Spare cartridge for neutralization filter		13 898
	Condensate Neutralization Box – for hose diam. 38 mm		14 432
	Condensate Neutralization Box – for hose diam. 38 mm - incl. condensate discharge pump to 3.5m elevation max.		14 506
	Neutralization Box Refill		12 490
	Condensate siphon with ball float	B1003024	6 123
	Condensate hose, for T-piece, 1.5 m	A1050012	8 204
	Silicon paste 250 g	SCIVTU0250	10 280
	Chimney door, for diam. 80, 100, 125 mm	A2012087	8 753
	Pitched-roof flashing, malleable Al sheet, diam. 125 mm, black, 18°- 44°	A5025036	8 014
	Pitched-roof flashing, malleable Al sheet, diam. 125 mm, red, 18°- 44°	A60250036	10 489
	Flat-roof flashing, diam. 125 mm	A5025001	363
	Flange diam. 100 for boiler, upsized, plastic, alone	BB005035	8 459
	Gasket for plastic flange, 100 mm diam.	GNE10011	10 067
	Gasket for upsized flange, 100 mm diam.	GNE10019	10 071
	Gasket for boiler flange, diam. 100 mm	A1015089	783

*For detailed information, ask for our flue duct catalogue.*





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