

Catalogue 2019

Regulus

Brief overview of changes

compared to 2018

New:

- SRS1 T Controller **11**
- Solar Pump Stations **12**
- EcoAir 600M Air Source Heat Pumps with inverter, three-phase model **17**
- CSE IR 12 Pump Stations with controllers **17**
- Multi-energy Thermal Stores **17**
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HP

SOL

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FAL

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IT
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EcoAir 400 Air Source Heat Pumps		
 	<p>» Heat pump made in Sweden, max. flow temperature 65 °C, works to -22 °C outdoor temperature. High COP, very low noise level, remote access via internet and service supervision is possible, up to 10 years warranty on compressor¹⁾. The heat pump has obtained HP KEYMARK certificate.</p>	Code
	<p>EcoAir 406 Heat Pump heat output of 6.2 kW at A7/W35, en.eff.class²⁾ A++</p>	13243
	<p>EcoAir 408 Heat Pump heat output of 7.8 kW at A7/W35, en.eff.class²⁾ A++</p>	13244
	<p>EcoAir 410 Heat Pump heat output of 11.5 kW at A7/W35, en.eff.class²⁾ A++</p>	12994
	<p>EcoAir 415 Heat Pump heat output of 16.2 kW at A7/W35, en.eff.class²⁾ A++</p>	12995
	<p>EcoAir 420 Heat Pump heat output of 17.5 kW at A7/W35, en.eff.class²⁾ A+</p>	12848
EcoPart 400 Ground Source Heat Pumps		
   	<p>» Heat pump made in Sweden. High COP, very low noise level, remote access via internet and service supervision is possible, up to 10 years warranty on compressor¹⁾. The heat pump has obtained HP KEYMARK certificate.</p>	Code
	<p>EcoPart 406 Heat Pump heat output of 5.9 kW at B0/W35, en.eff.class²⁾ A++</p>	12647
	<p>EcoPart 408 Heat Pump heat output of 8.2 kW at B0/W35, en.eff.class²⁾ A++</p>	12648
	<p>EcoPart 410 Heat Pump heat output of 10 kW at B0/W35, en.eff.class²⁾ A++</p>	12649
	<p>EcoPart 412 Heat Pump heat output of 11.8 kW at B0/W35, en.eff.class²⁾ A++</p>	12650
	<p>EcoPart 414 Heat Pump heat output of 14.5 kW at B0/W35, en.eff.class²⁾ A++</p>	12651
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	<p>EcoPart 435 Heat Pump heat output of 32.5 kW at B0/W35, en.eff.class²⁾ A++</p>	15903

1) Please ask our regional sales representatives about current conditions for extended warranty.
 2) Seasonal space heating energy efficiency class under average climatic conditions for low temperature applications. The class in the picture concerns the system with controller under average temperature conditions for low temperature applications.

x - on order

x

EcoAir 600M Air Source Heat Pumps with inverter, three-phase model

 	<p>» <i>Heat pump made in Sweden, max. flow temperature 65 °C, works to -22 °C outdoor temperature. High COP, very low noise level, remote access via internet and service supervision is possible, ready to be combined with PV panels, scroll compressor with speed control, up to 10 years warranty on compressor¹⁾. The heat pump has obtained HP KEYMARK certificate.</i></p>	Code
	<p>EcoAir 614M Heat Pump heat output 3 - 13 kW, SCOP 4.9, en.eff.class²⁾ A++</p>	17156
	<p>EcoAir 622M Heat Pump heat output 4 - 24 kW, SCOP 4.9, en.eff.class²⁾ A++</p>	17157

EcoAir 500M Air Source Heat Pumps with inverter, single-phase model

 	<p>» <i>1phase heat pump made in Sweden, max. flow temperature 65 °C, works to -22 °C outdoor temperature. High COP, very low noise level, remote access via internet and service supervision is possible, ready to be combined with PV panels, compressor with speed control, up to 10 years warranty on compressor¹⁾. The heat pump has obtained HP KEYMARK certificate.</i></p>	Code
	<p>EcoAir 510M Heat Pump heat output 1 - 10 kW, SCOP 4.4, en.eff.class²⁾ A++</p>	15676

! Heat pump shall be installed exclusively with CSE IR 12 pump stations or with a EcoZenith Multi-energy Thermal Store.

CSE IR 12 Pump Stations with controllers

	<p>» <i>IR 12 Smart Controller controls heat pumps, 2 mixed heating circuits, DHW heating, solar thermal system, or even energy surplus from PV panels. The pump stations contain a Wilo pump with PWM speed control, connecting nipples with a shutoff ball valve, thermometer and thermal insulation.</i></p>	Code
	<p>CSE IR 12 CTC Pump station and IR 12 CTC controller</p>	17357
	<p>CSE IR 12 FV1F Pump station and IR 12 FV1F CTC controller</p>	17373
	<p>CSE IR 12 FV3F Pump station and IR 12 FV3F CTC controller</p>	17358

Multi-energy Thermal Stores

	<p>» <i>An indoor Multi-energy Thermal Store made in Sweden. It contains a complete domestic boiler room in a neat mantle - a controller for both the heat pump and house heating, a tank for continuous DHW heating, auxiliary electric heat source, circulation pumps.</i></p>	Code
	<p>EcoZenith i250 Multi-energy Thermal Store - for EcoAir 406-410 and EcoPart 406-410 heat pumps</p>	13241
	<p>EcoZenith i350 Multi-energy Thermal Store - for air-to-water inverter heat pumps, 500M and 600M series</p>	17192

1) Please ask our regional sales representatives about current conditions for extended warranty.

2) Seasonal space heating energy efficiency class under average climatic conditions for low temperature applications. The class in the picture concerns the system with controller under average temperature conditions for low temperature applications.

ID
 FOS
 HRV
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 BAC
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 FPP

EcoHeat 400 Ground Source Heat Pumps		
		Code
 	<p>» 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 ¹⁾.</p>	
	<p>EcoHeat 406 Heat Pump heat output of 5.9 kW at B0/W35 + el. boiler 0-9 kW, en.eff.class²⁾ A++</p>	13441
	<p>EcoHeat 408 Heat Pump heat output of 8.2 kW at B0/W35 + el. boiler 0-9 kW, en.eff.class²⁾ A++</p>	13442
	<p>EcoHeat 410 Heat Pump heat output of 10 kW at B0/W35 + el. boiler 0-9 kW, en.eff.class²⁾ A++</p>	13443
	<p>EcoHeat 412 Heat Pump heat output of 11.8 kW at B0/W35 + el. boiler 0-9 kW, en.eff.class²⁾ A++</p>	13444
Accessories to Multi-energy Thermal Stores		Code
	Internet module for EcoHeat / EcoZenith	17257
	Wireless Room Unit for EcoHeat / EcoZenith, incl. aerial, connection module and cable	13944
	Additional Wireless Room Unit for EcoHeat / EcoZenith	13945
	Room Sensor for EcoHeat / EcoZenith	9752
	Temperature Sensor with 2.5m cable for EcoHeat / EcoZenith	9583
	Solar module for EcoHeat / EcoZenith	12622

1) Please ask our regional sales representatives about current conditions for extended warranty.

2) Seasonal space heating energy efficiency class under average climatic conditions for low temperature applications. The class in the picture concerns the system with controller under average temperature conditions for low temperature applications.

Accessories to CTC heat pumps		Code
	CSE TC W PWM Pump Station for a heat pump	15874
	In Line Heater In line heater contains a safety valve, thermostat and wall mount brackets. An ETT-A electric heating element of output up to 7.5 kW can be installed into the in line heater.	16166
	Module to connect a heat pump with master controller – Czech menu, Ethernet port, slot for SD memory card. Power supply unit and 8GB SD card included.	15955
	Heating Cable for EcoAir	16168
	Backup power source for circulation pump of EcoAir heat pumps incl. a maintenance-free sealed 44Ah accumulator and a control unit.	9142
	Filling set for primary circuit, 1" M, incl. filter	12454
	Filling set for primary circuit, 5/4" M, incl. filter	12455
	Wall Support for EcoAir heat pumps incl. anti-vibration silentblocks	17458
	Compensator for increased heat exchanger protection against freezing DN25, 1" Fu/M, incl. gaskets	16757
	Pipe fitting, Cu 28 x 1" M	13391
	Pipe fitting, Cu 28 x 5/4" M	17090
	Pipe fitting, Cu 28 x Cu 28	13394
	Elbow, Cu28 x 1" M	15985
	Elbow, Cu 28 x 5/4" M	17091
	Elbow, Cu28 x Cu28	16437
	Sealing O-ring for Cu 28 pipes	13393
	Braided Hose, 2x 1" F	500 mm 15493
		700 mm 15494
		1000 mm 15495
	Braided Hose, 1" F x 1" M	500 mm 15496
		700 mm 15497
		1000 mm 15498
	Braided Hose, 2x 5/4" F	500 mm 16896
		700 mm 16897
		1000 mm 16898
	Braided Hose, 5/4" F x 5/4" M	500 mm 16899
		700 mm 16900
		1000 mm 16901
	Nut Gasket, 1"	9980
	Nut Gasket, 5/4"	9981

IDA
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KPS1 flat plate solar collector - harp type absorber, 7 year warranty		Code
  	<p>KPS1 Solar collector collector area 2.11 sqm, output 1481 W at 1000 W/m² irradiance,</p> <p>for portrait installation, 204x104x9 cm, fluid volume 1.4 l, grey aluminium frame, solar prismatic glass, harp type absorber with TiNOx highly selective surface on aluminium sheet, laser welded to copper pipes, connection with 4 copper pipes 22 mm</p>	16277
	Mount kits for fixing and connecting KPS1 solar collectors	Code
	<p>Connection kit for KPS, KPG1 and KTU collector array (G3/4" M inlet and outlet, 2 plugs, G3/8"F for air vent, sensor sheath)</p>	7710
	<p>Mount kit for 1 KPS1 solar collector *(for 4 anchors or 2 supports+1 strut)</p>	12178
	<p>Mount and interconnection kit for 2 KPS1 collectors *(for 6 anchors or 3 supports+1 strut)</p>	12179
	<p>Mount and interconnection kit for 3 KPS1 collectors *(for 8 anchors or 4 supports+1 strut)</p>	12180
	<p>Mount and interconnection kit for 4 KPS1 collectors *(for 10 anchors or 5 supports+1 strut)</p>	12181
	<p>Mount and interconnection kit for 5 KPS1 collectors *(for 10 anchors or 5 supports+1 strut)</p>	12182
<p>Extension kit for fixing and interconnecting 1 KPS1 solar collector *(for 4 anchors or 2 supports+1 strut)</p>	12183	
KPS11 flat plate solar collector - harp type absorber, 7 year warranty		Code
  	<p>KPS11 Solar collector collector area 2.52 sqm, output 1802 W at 1000 W/m² irradiance,</p> <p>for portrait installation, 204x124x9 cm, fluid volume 1.7 l, grey aluminium frame, solar prismatic glass, harp type aluminium absorber with TiNOx highly selective surface on aluminium sheet, laser welded to copper pipes, connection with 4 copper pipes 22 mm</p>	16278
	Mount kits for fixing and connecting KPS11 solar collectors	Code
	<p>Connection kit for KPS, KPG1 and KTU collector array (G3/4" M inlet and outlet, 2 plugs, G3/8"F for air vent, sensor sheath)</p>	7710
	<p>Mount kit for 1 KPS11 solar collector *(for 4 anchors or 2 supports+1 strut)</p>	12184
	<p>Mount and interconnection kit for 2 KPS11 collectors *(for 6 anchors or 3 supports+1 strut)</p>	12185
	<p>Mount and interconnection kit for 3 KPS11 collectors *(for 8 anchors or 4 supports+1 strut)</p>	12186
	<p>Mount and interconnection kit for 4 KPS11 collectors *(for 10 anchors or 5 supports+1 strut)</p>	12187
	<p>Extension kit for fixing and interconnecting 1 KPS11 Solar Collector *(for 4 anchors or 2 supports+1 strut)</p>	12188

* 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 8 depending on the roof and tile type.

KPG1 flat plate solar collector - harp type absorber		Code	
  	<p>KPG1 Solar collector collector area 2.52 sqm, 1816 W output at 1000 W/m² irradiance, for landscape/portrait installation, 215x117x8 cm, fluid volume 1.7 l, 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, BAFA approved, Solar Keymark certified</p>	10336	
	Mount kits for fixing and connecting KPG1 solar collectors		Code
	Connection kit for KPS, KPG1 and KTU collector array (G3/4" M inlet and outlet, 2 plugs, G3/8"F for air vent, sensor sheath)		7710
	Mount kit for 1 KPG1 solar collector *(for 4 anchors or 2 supports+1 strut)		10538
	Mount and interconnection kit for 2 KPG1 collectors *(for 6 anchors or 3 supports+1 strut)		10539
	Mount and interconnection kit for 3 KPG1 collectors *(for 8 anchors or 4 supports+1 strut)		10540
	Mount and interconnection kit for 4 KPG1 collectors *(for 10 anchors or 5 supports+1 strut)		10541
	Mount and interconnection kit for 5 KPG1 collectors *(for 12 anchors or 6 supports+1 strut)		14067
	Extension kit for fixing and interconnecting 1 KPG1 Solar Collector *(for 4 anchors or 2 supports+1 strut)		11986
	Mount kits for fixing and connecting KPG1 solar collectors - horizontally		Code
Connection kit for landscape KPG1 collector array (G3/4" M inlet and outlet, 2 plugs, G3/8"F for air vent, sensor sheath)		14134	
Mount kit for landscape installation of 1 KPG1 solar collector *(for 4 anchors or 2 supports+1 strut)		10700	
Landscape KPG1H flat plate solar collectors, double harp type absorber		Code	
 	<p>KPG1H Solar collector collector area 2.52 sqm, 1816 W output at 1000 W/m² irradiance, for landscape installation, 117x215x8 cm, fluid volume 1.7 l, 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</p>	11427	
	Mount kits for fixing and connecting landscape KPG1H solar collectors		Code
	Connection kit for KPG1H collector array (G3/4" M inlet and outlet, 2 plugs, G3/8"F for air vent, sensor sheath)		14618
	Mount kit for installation of 1 KPG1H solar collector *(for 4 anchors or 2 supports+1 strut)		10700
	Mount and interconn. kit for installation of 2 KPG1H *(for 6 anchors or 3 supports+1 strut)		14517
	Extension kit for installation and connection of 1 KPG1H solar coll. *(for 4 anchors or 2 supports+1 strut)		14518

* 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 8 depending on the roof and tile type.

H P
 L O S
 H R V
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KPI flat plate solar collector for in-roof installation - 7 year warranty		Code	
	KPI1 DC Solar collector collector area 2.52 sqm, 1808 W output at 1000 W/m ² irradiance, for portrait installation, 206x122 x10 cm, fluid volume 1.7 l, wooden frame, solar glass, double harp type aluminum absorber with TiNOx highly selective surface, connection with 2 copper pipes 22 mm	11237	
	Mount kits for fixing and connecting KPI1 solar collectors		
	Connection kit for one KPI1 collector field (G3/4" M inlet and outlet)	11374	
	In-roof mount kit for 1 KPI1 solar collector	11335	
	In-roof mount kit for 2 KPI1 solar collectors	11329	
	In-roof mount kit for 3 KPI1 solar collectors	11336	
	In-roof mount kit for 4 KPI1 solar collectors	11337	
	In-roof mount kit for 2 (2x1) KPI1 solar collectors in 2 rows	11338	
	In-roof mount kit for 4 (2x2) KPI1 solar collectors in 2 rows	11339	
	In-roof mount kit for 6 (2x3) KPI1 solar collectors in 2 rows	11340	
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.	11126	
	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.	10637	
	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.	11127	
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.	10639	
	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.	11128	
	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.	12686	
Accessories to thermosyphon systems		Code	
	STV1-95 R Thermostatic solar valve 95 °C, protects sanitary water tank of thermosyphonic system against overheating.	10846	
	STV1-115 R Thermostatic solar valve 115 °C, protects sanitary water tank of thermosyphonic system against overheating.	11165	
	SZV1 3/4" MF solar non return valve, for t.s. systems with sanitary water tank behind the collector. In TSD sets included.	10663	
	PTR valve pressure and temperature release valve for sanitary water tank protection against high pressure and overheating	7 bar, 92 °C 10 bar, 92 °C	17240 17241
	Expansion vessel Stainless steel expansion vessel is suggested for high temperature working conditions.	15453	

Evacuated tube solar collectors - 7 year warranty		Code
 	KTU 10 solar collector collector area 1.81 sqm, 727 W output at 1000 W/m ² irradiance, for portrait installation, 197x92x14 cm, 10 U-pipes, fluid volume 1.7 l, silver frame, borosilicate glass, connection with 4 copper pipes 22 mm	7126
	KTU 15 solar collector collector area 2.66 sqm, 1090 W output at 1000 W/m ² irradiance, for portrait installation, 197x135x14 cm, 15 U-pipes, fluid volume 2.4 l, silver frame, borosilicate glass, connection with 4 copper pipes 22 mm	7127
Evacuated tube solar collectors with reflective sheet - 7 year warranty		Code
 	KTU 6R2 solar collector collector area 1.81 sqm, 1012 W output at 1000 W/m ² irradiance, for portrait installation, 197x92x14 cm, 6 U-pipes with highly reflective sheet, fluid volume 0.92 l, silver frame, borosilicate glass, connection with 4 copper pipes 22 mm	7343
	KTU 9R2 solar collector collector area 2.66 sqm, 1522 W output at 1000 W/m ² irradiance, for portrait installation, 197x135x14 cm, 9 U-pipes with highly reflective sheet, fluid volume 1.37 l, silver frame, borosilicate glass, connection with 4 copper pipes 22 mm	7342
Mount kits for fixing and connecting KTU 10 and KTU 6R2 solar collectors		Code
	Connection kit for KPS, KPG1 and KTU collector array (G3/4" M inlet and outlet, 2 plugs, G3/8" F for air vent, sensor sheath)	7710
	Mount kit for 1 KTU 10 and 6R2 solar collector ** (for 4 anchors or 2 supports + 1 strut)	7415
	Mount and interconnection kit for 2 KTU 10 and 6R2 collectors ** (for 6 anchors or 3 supports + 1 strut)	7241
	Mount and interconnection kit for 3 KTU 10 and 6R2 collectors ** (for 8 anchors or 4 supports + 1 strut)	7242
	Mount and interconnection kit for 4 KTU 10 and 6R2 collectors ** (for 10 anchors or 5 supports + 1 strut)	7243
	Mount and interconnection kit for 5 KTU 10 and 6R2 collectors ** (for 10 anchors or 5 supports + 1 strut)	7244
	Extension kit for fixing and interconnecting 1 KTU 10 and 6R2 Solar Coll. * (for 4 anchors or 2 supports+1 strut)	11991
Mount kits for fixing and connecting KTU 15 and KTU 9R2 solar collectors		Code
	Connection kit for KPS, KPG1 and KTU collector array (G3/4" M inlet and outlet, 2 plugs, G3/8" F for air vent, sensor sheath)	7710
	Mount kit for 1 KTU 15 and 9R2 solar collector * (for 4 anchors or 2 supports + 1 strut)	7414
	Mount and interconnection kit for 2 KTU 15 and 9R2 collectors * (for 6 anchors or 3 supports + 1 strut)	7245
	Mount and interconnection kit for 3 KTU 15 and 9R2 collectors * (for 8 anchors or 4 supports + 1 strut)	7246
	Mount and interconnection kit for 4 KTU 15 and 9R2 collectors * (for 10 anchors or 5 supports + 1 strut)	7247
	Extension kit for fixing and interconnecting 1 KTU 15 and 9R2 Solar Collect * (for 4 anchors or 2 supports+1 strut)	11990

*** 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 8 depending on the roof and tile type.**

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Solar collector support brackets for flat roofs		Code
	Triangle support bracket 15°	11979
	Triangle support bracket 25°	10975
	Triangle support bracket 45°	6859
	Strut incl. screws for triangle support brackets - flat roof	9563
Solar collectors support brackets, flat roof, for landscape KPG1 and KPG1H collectors		Code
	Triangle support bracket 25°	10907
	Triangle support bracket 45°	10921
	Strut incl. screws for triangle support brackets, flat roof, for landscape KPG1 and KPG1H	10908
Wall support brackets for collectors		Code
	Wall support bracket for KPG1H, 75° tilt angle – solar awning	14792
	Wall support bracket for KPG1H, 65° tilt angle – solar awning	14793
	Wall support bracket for KPG1H, 45° tilt angle – solar awning	14794
Anchors for inclined roofs		Code
	Stainless-steel anchor for pantiles	6857
	Hot-dipped galvanized steel anchor for pantiles	7929
	Stainless-steel anchor for slate tiles	11574
	Stainless-steel anchor for pantiles, for roof rafters, incl. self tapping screws	10159
	Bolt with clamp for fixing rails onto a roof (incl. gasket)	7320
Triangle support brackets for inclination adjustment, for inclined roofs		Code
	15° Triangle support bracket	10748
	25° Triangle support bracket	8805
	45° Triangle support bracket	10094
	60° Triangle support bracket	x 9631
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	11070
	Triangle support bracket 25° for KPG1 and KPG1H landscape installation	11071
	Triangle support bracket 45° for KPG1 and KPG1H landscape installation	11072
Mounting rails		Code
	Mounting rail, 6.15 m long	price for 6.15 m 7009
	Mounting rail,sold by the meter (max. length 6.15 m)	price for 1 m 6949

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Parts for mount and connection kits for solar collectors		Code
	Extension kit for aluminum rail connection (1 connection)	10201
	Base rail end plug	11773
	M8 Travelling nut for base rail	6925
	M8x18 stainless-steel bolt for KTU	7259
	M8x16 stainless-steel bolt for KPG1	6926
	M8x20 stainless-steel bolt for KPC, KPS	12136
	M8x30 bolt+nut+washer, travelling head, for base rail slot	8383
	Fixing bracket for KPG bottom rail - stainless steel	13057
	Fixing bracket for KPC, KPS bottom rail	11690
	Retaining side bracket for KPC, KPS	12141
	Retaining stainless-steel side bracket for KPG	10522
	Retaining side bracket between 2 KPG collectors with bolt	10673
	Washer for hanging KTU solar collector	7255
	Roof bolt gasket	8891
	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	13716
	Elbow for 22 mm Cu pipes, 3/4" M – for collector inlet	13694
	Hex fitting for Cu pipes, 22 mm to 22 mm	7629
	Blind hex fitting for 22 mm Cu pipes (compression plug)	13696
	Straight hex fitting, Cu 22 x G 3/4" M	13695
	Gasket for 22 mm copper pipes	7330
Insert to 22 mm Cu pipe, for compression connections	12923	
3/8" Plug with gasket	7956	
1/2" Plug with gasket	7634	
3/4" Plug with gasket	7954	
Gasket for solar systems - 17x24x1,5 - 3/8" for 3/8" Plug	7794	
Gasket for solar systems - 21x27x1,5 - 1/2" for 1/2" Plug	7795	
Gasket for solar systems - 27x34x1,5 - 3/4" for 3/4" Plug	7796	

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Valves for solar thermal systems		Code
	Automatic air vent valve, 3/8" M, bottom connection, up to 150 °C	6118
	Ball valve, 3/8" M/F, up to 160 °C, under an air vent valve	7250
	Safety valve, 1/2"x3/4" F/F, 6 bar, up to 150 °C, for solar thermal systems	1616
	Safety valve, 1/2"x3/4" M/F, 6 bar, up to 150 °C, for solar thermal systems	16680
Air separators and accessories		Code
	SPVS 3/4" Horizontal brass air separator, connection 2x 3/4"M, 3/8"F connection to air vent	11591
	Horizontal air separator, connection 2x Cu 22, with stainless steel strainer, 3/8"F connection to air vent	8510
	Vertical air separator with 3/4" M/F vertical air vent, manually operated	11224
Air bleed kits		Code
	Kit of air separator and air vent valve for solar systems	13308
	Insulation set for air separator and air vent valve	13197
Expansion vessels for solar thermal systems		Code
	12 l Expansion Vessel, 8 bar, 3/4" M	13720
	18 l Expansion Vessel, 8 bar, 3/4" M	13721
	25 l Expansion Vessel, 8 bar, 3/4" M	13722
	40 l Expansion Vessel, 8 bar, 3/4" M	13723
	50 l Expansion Vessel, 10 bar, 3/4" M, legs, replaceable bladder	13724
	80 l Expansion Vessel, 10 bar, 3/4" M, legs, replaceable bladder	13725
	100 l Expansion Vessel, 10 bar, 1" M, legs, replaceable bladder	13726
	150 l Expansion Vessel, 10 bar, 6/4" M, legs, replaceable bladder	13727
	200 l Expansion Vessel, 10 bar, 6/4" M, legs, replaceable bladder	13728
	300 l Expansion Vessel, 10 bar, 6/4" M, legs, replaceable bladder	13729
500 l Expansion Vessel, 8 bar, 6/4" M, legs, replaceable bladder	x 13730	
Service valves for expansion vessels		Code
	3/4" Service Valve for expansion vessels connection and easy servicing	8770
	1" Service Valve for expansion vessel connection and easy servicing	12295
	6/4" Service Valve for expansion vessel connection and easy servicing	14492
	Exp. vessel bracket for wall mount with connection valve 3/4"	7766
	Exp. vessel bracket	12174
	Stainless-steel connecting pipe 2x 3/4"F - 0.5 m	9156

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Filling valve assembly for solar systems		Code
	Filling valves with 2x Cu 28 mm connections	11643
	Filling valves with 2x 1" F connections	11644
Balancing valves for solar thermal systems		Code
	AV23 balancing valve with indication 2-12 l/min, 3/4" F, 185 °C	7982
	AV23 balancing valve with indication 10-40 l/min, 1" F, 185 °C	8232
	AV23 balancing valve with indication 20-70 l/min, 5/4" F, 100 °C	8022
Controllers for Regulus solar thermal systems		Code
	STDC E - 3-sensor controller for solar thermal systems with 1 collector array and 1 solar consumer, with PWM/0-10V output for high-efficiency pumps, 2 Pt1000 sensors included	13164
	SRS1 T - 3-sensor controller for solar thermal systems of one collector array and one consumer, with a potential-free contact to switch a boiler or a heating element up to 3kW power input, with PWM/0-10V output and iPWM input (flow rate info), two Pt1000 sensors included	17570
	SRS2 TE – 4-sensor controller for solar thermal systems with 1 collector array and 1 solar consumer, with a potential-free contact to switch a boiler or a heating element up to 3kW power input, with PWM/0-10V output for high-efficiency pumps, 3 Pt1000 sensors included	14388
	SRS3 E - 4-sensor controller for solar thermal systems with 1 collector array and up to 2 solar consumers, or 2 independent arrays and one solar consumer, with PWM/0-10V output for high-efficiency pumps, 3 Pt1000 sensors included	13166
	SRS6 EP – 6-sensor controller for solar thermal systems with 1 collector array and up to 3 solar consumers, or 2 independent arrays and up to 2 solar consumers, permitting flowmeter connection for heat measurement, with two PWM/0-10V outputs for high-efficiency pumps, 5 Pt1000 sensors included	13168
Accessories to solar controllers		Code
	TT/S2 - Pt1000 Temperature sensor with 2m cable for solar collector and cylinder	9108
	TT/P4 - Pt1000 with 4 m cable for consumer	9109
	Pipe mounted sensor housing (for Pt1000)	14250
	Contact temperature sensor with 4 m cable, on pipe - Pt1000	9789
	KA 12 - Surge protector for Pt1000 temperature sensors	9530
	Flowmeter VFS 1-12 l/min., with integrated temperature sensor, DN 20	11051
	Flowmeter VFS 2-40 l/min., with integrated temperature sensor, DN 20	11052
	Flowmeter VFS 5-100 l/min., with integrated temperature sensor, DN 25	10966
	Flowmeter VFS 10-200 l/min., with integrated temperature sensor, DN 32	11050
IP44 protected box with 2A fuse, to power supply valves with single-pole control (VZK, LK and VMR zone valves)	11685	
External relays for controllers		Code
	One relay with switch-over contact. 230 V coil	11696
	Two relays with switch-over contact. 230 V coil	11697

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REGULUS Solar Pump Stations with controller SRS1 T with socket for el. heating element				
	» with a high-efficiency pump Wilo PARA ST 25/7 iPWM2	Connections	Code	
	  	CSE SOL W SRS1 T-E Pump Station with power socket intended to connect an el. heating element (ETT-N) switched by the controller, 3 Pt1000 sensors included, flow rate measurement - 2-20 l/min	G 3/4" M	16955
		G 1" M	17318	
		Cu 22	16956	
		Cu 28	17319	
CSE SOL W SRS1 T-E HDO Pump Station with power socket intended to connect an el. heating element (ETT-N) switched by Ripple control and the controller, 3 Pt1000 sensors included, flow rate measurement - 2-20 l/min		G 3/4" M	17350	
		G 1" M	17349	
		Cu 22	17351	
		Cu 28	17352	
2.0 kW heating element with thermostatic head, length incl. thread 350 mm, non-heating end 180 mm long, with a dedicated connector to plug in CSE SOL W SRS1 T-E (HDO)				16942
3.0 kW heating element with thermostatic head, length incl. thread 450 mm, non-heating end 180 mm long, with a dedicated connector to plug in CSE SOL W SRS1 T-E (HDO)				16943
Connector for socket in CSE SOL W SRS1 T-E Pump Station			16940	
REGULUS Solar Pump Stations with controller SRS1 T with potential-free socket				
 	» with a high-efficiency pump Wilo PARA ST 25/7 iPWM2	Connections	Code	
	CSE SOL W SRS1 T-K Pump Station with socket for switching an auxiliary heat source by potential-free contact, 2 Pt1000 sensors included, flow rate measurement - 2-20 l/min	G 3/4" M	17198	
		G 1" M	17321	
		Cu 22	17320	
		Cu 28	17322	
Kit for switching an auxiliary heat source, designed for CSE SOL W SRS1 T-K pump station.			17465	
REGULUS Solar Pump Stations without controller				
 	» with a high-efficiency pump Wilo PARA ST 25/7 iPWM2	Connections	Code	
	CSE SOL W P Pump Station with mechanical flowmeter for controllers with PWM control (SRS1 T, TRS6 K and IR 12 with module)	2-12 l/min G 3/4" M	17155	
		8-28 l/min G 1" M	17325	
	PWM Module - to connect CSE SOL W P to IR 12 controller			12860
Accessories to connect a safety valve pipe			Code	
 	Hex fitting for Cu pipes, 22 mm to 22 mm		7629	
	Straight hex fitting, Cu 22 x G 3/4" M		13695	

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	14870
	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	14533
	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	14532
	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	14871
	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	15045
	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	14860
	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, Cu 22	14872
	Cu 22 - Cu 18 coupler + nuts (set of 4+4 pcs)	9227
	S2 SRS6 EP Twin-line Pump Station with air separator, with integrated SRS6 EP smart controller for 3 solar consumers or 2 collector arrays, with 3 sensors included, with VFS flowmeter (enables precise heat metering), with high-efficiency Wilo Yonos Para 25/7, 2-40 l/min, 1" M.	14875
Solar pump stations without integrated controller		Code
	S1 Solar 1 Pump station, UPM3 25/7,5, 2-12 l/min, 3/4" M	14861
	S1 Solar 1 Pump station, UPM3 25/7,5, 8-28 l/min, 1" M	14865
	S2 Solar 3 Pump station, UPM3 25/7,5, air separator, 2-12 l/min, 3/4" M	14866
	S2 Solar 3 Pump station, UPM3 25/7,5, air separator, 8-28 l/min, 1" M	14867
	S2 Solar 2 Pump station, Stratos Para 25/1-8, 20-70 l/min, 6/4" M	14868

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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.	Code
	Solarten super, 5 l packaging	10109
	Solarten super, 10 l packaging	10110
	Solarten super, 25 l packaging	10069
	Solarten super, 60 l packaging	10111
	Solarten super, 200 l packaging	x
 	» 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.	Code
	Solarten HT, 5 l packaging	14951
	Solarten HT, 10 l packaging	14095
	Solarten HT, 25 l packaging	14096
	Solarten HT, 60 l packaging	14952
	Solarten HT, 200 l packaging	x
Accessories for handling antifreeze fluid		Code
	Refractometer - for measurements of antifreeze fluid properties in solar systems	6933
	Manual filling pump for solar thermal systems	15111
	Manual filling pump with 600 ml container to fill fluid into solar thermal systems and cleaning/protective chemicals to heating systems	15054
	Electric filing pump for filling solar systems from a 25 l plastic container, DIN61 conn. thread	9688
	Filling push cart for solar systems, 1.1 kW power consumption. Max. volume flow 60 l/min., max. working pressure 5 bar	9561

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SOLARFLEX A - DUO, pre-insulated twinway stainless-steel tubes with cable in EPDM insulation, for solar systems with insulation surface protection only			
	insulation thickness of 13 mm	Code	
	Twinway DN 16 stainless-steel tube, 10 m, incl. 4 nuts with lock rings and rim nipple	9916	
	Twinway DN 16 stainless-steel tube, 15 m, incl. 4 nuts with lock rings and rim nipple	9619	
	Twinway DN 16 stainless-steel tube, 50 m	10564	
	Twinway DN 20 stainless-steel tube, 10 m, incl. 4 nuts with lock rings and rim nipple	9917	
	Twinway DN 20 stainless-steel tube, 15 m, incl. 4 nuts with lock rings and rim nipple	9620	
	Twinway DN 20 stainless-steel tube, 50 m	10565	
SOLARFLEX A - MONO, pre-insulated single stainless-steel pipe in EPDM insulation, for solar systems with insulation surface protection only			
	insulation thickness of 13 mm	Code	
	DN 16 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12899	
	DN 16 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12900	
	DN 16 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12901	
	DN 16 stainless-steel pipe, 50 m	12902	
	DN 20 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12903	
	DN 20 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12904	
	DN 20 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12905	
	DN 20 stainless-steel pipe, 50 m	12906	
	insulation thickness of 19 mm	Code	
	DN 16 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12911	
	DN 16 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12912	
	DN 16 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12913	
	DN 16 stainless-steel pipe, 50 m	12914	
	DN 20 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple	12915	
	DN 20 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple	12916	
	DN 20 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple	12917	
	DN 20 stainless-steel pipe, 50 m	12918	
Flexible stainless steel tubes, uninsulated, for solar appl.		Code	
	Stainless-steel pipe, DN 16 - sold by the meter	14701	
	Stainless-steel pipe, DN 16 - 5m	16386	
	Stainless-steel pipe, DN 16 - 10 m	16387	
	Stainless-steel pipe, DN 16 - 15 m	16388	
	Stainless-steel pipe, DN 20 - sold by the meter	14709	
	Stainless-steel pipe, DN 20 - 5m	16389	
	Stainless-steel pipe, DN 20 - 10 m	16390	
	Stainless-steel pipe, DN 20 - 15 m	16391	
Accessories to SOLARFLEX A stainless steel pipes		Code	
	Set of 4 nuts, lock rings, gaskets and rim nipple	DN 16	9644
		DN 20	9645
	Lock rings	DN 16	8802
		DN 20	8803
	3/4" nut	DN 16	8799
	1" nut	DN 20	8800
	Rim nipple 3/4" M (male/male)	DN 16	6970
	Rim nipple 1" M (male/male)	DN 20	6969
	Wall clamps for twinway stainless-steel pipe – set of 4	DN 12 - 20	9641
	Wall clamps for single stainless-steel pipe – set of 4	DN 12 - 20	12932

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Central Heat Recovery Ventilation Units - vertical		Code
	Sentinel Kinetic B - Central HRV unit, incl. integrated control unit and summer by-pass, 125 mm spigot diam., max. ventilation capacity 275 m ³ /h,	10176
	Sentinel Kinetic B Plus - Central HRV unit, incl. integrated control unit, humidistat and summer by-pass, 150 mm spigot diam., max. ventilation capacity 490 m ³ /h	10335
	Sentinel Kinetic Advance S - Central HRV unit, incl. integrated control unit with touch screen, humidistat, integrated summer by-pass, 125 mm spigot diam., max. ventilation capacity 414 m ³ /h	16487
	Sentinel Kinetic Advance SX - Central HRV unit, incl. integrated control unit with touch screen, humidistat, integrated summer by-pass, WiFi module, air flowrate sensors permitting precise adjustment, 125 mm spigot diam., max. ventilation capacity 414 m ³ /h	16488
Central Heat Recovery Ventilation Units - horizontal		Code
	HR 100R - Central HRV unit for apartments or attic installations, 160 mm unit height, 98 mm spigot diam., max. ventilation capacity 66 m ³ /h	7483
	HR 100Rs - Central HRV unit for apartments, under ceiling version, 160 mm unit height, 98 mm spigot diam., max. ventilation capacity 66 m ³ /h	10308
	Sentinel Kinetic Horizontal 200ZPH - Central HRV unit for apartments, incl. room unit, integrated humidity sensor, summer by-pass, 200 mm unit height, rectangular spigots (204 x 60 mm), max. ventilation capacity 168 m ³ /h	16709
	Sentinel Totus ² D-ERV MINI - Central HRV unit for large buildings, incl. integrated control unit, summer by-pass, frost protection, 250 mm spigot diam., max. ventilation capacity 756 m ³ /h	x 12234
	Sentinel Totus ² D-ERV MIDI - Central HRV unit for large buildings, incl. integrated control unit, summer by-pass, frost protection, rectangular spigots (400x250 mm), ventilation capacity 1332 m ³ /h	x 12236
	Sentinel Totus ² D-ERV MAXI - Central HRV unit for large buildings, incl. integrated control unit, summer by-pass, frost protection, 400 mm spigot diam., max. ventilation capacity 2124 m ³ /h	x 12238
Local Heat Recovery Ventilation Units		Code
	HR 30W - for wall thickness up to 280 mm Single-room HRV unit	6954
	HR 100W - for wall thickness up to 280 mm Single-room HRV unit	6955
	EXT 100 - for walls 280-500 mm thick Extension for HR30W and HR100W HRV units	6956

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Accessories to HRV units		Code
	Remote control with 15m cable, for Sentinel Kinetic	10757
	Wireless boost switch for Sentinel Kinetic	10756
	Humidity sensor for Sentinel Kinetic	10177
	CO ₂ sensor for Sentinel Kinetic	11852
	0-10V Module for Sentinel Kinetic Advance	16607
	Docking station for Advance unit control module, incl. 15 m cable	16609
	Voltage-free Extension Module (4 inputs) for Sentinel Kinetic Advance	16610
	Extension Module (2 inputs) for Sentinel Kinetic Advance	16611
	WiFi Module for Sentinel Kinetic Advance S (in SX included in supply)	16608
	Connection Kit - Sentinel Kinetic + IR 12 CTC Controller	17459
	HR-S Mechanical humidistat, 35-95 % RH	14334
	Single Pole Circuit Breaker, interrupts N line, 3A, char.D	9532
	Aluminum hose band, 50 mm x 50 m x 0.3 mm, up to 120 °C	11515
	Quick-lock hose band, 30 m, in roll	9209
	Clamp for quick-lock hose band	1 pcs 9210 50 pcs 17061
	Insulation for HR100 Heat Recovery Unit	11767
Insulation for HR100RS Heat Recovery Unit	11768	
ZINKALL spray, for cold zinc-plating (400 ml)	428	
Cleaning spray for HRV units and ducts	10686	
Spare Parts to HRV units		Code
	Filter textile for HR30W and HR100W	9001
	Filter textile for HR100R	8136
	Filter textile for Sentinel Kinetic B - set of two G3 filters	13323
	Filter textile for Sentinel Kinetic B - set of two F5 pollen filters	13324
	Filter textile for Sentinel Kinetic B Plus - set of two G3 filters	13325
	Filter textile for Sentinel Kinetic B Plus - set of two F5 pollen filters	13326
	Spare filter for Sentinel Kinetic B - set of two G3 filters	17026
	Spare filter for Sentinel Kinetic B - set of two F5 pollen filters	17572
	Spare filter for Sentinel Kinetic B Plus - set of two G3 filters	17028
	Spare filter for Sentinel Kinetic B Plus - set of two F5 pollen filters	17573
	Spare filter for Sentinel Kinetic Advance - set of two G3 filters	16891
	Spare filter for Sentinel Kinetic Advance - set of two F5 pollen filters	16892
Spare filter for Sentinel Kinetic Horizontal - set of two G3 filters	17030	

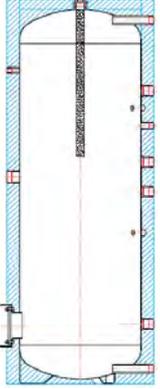
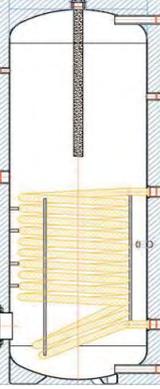
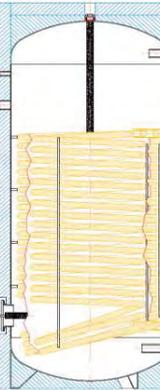
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Round hoses		Diam.	Code
	Single-layer flexible hose in Al, 5 m	100 mm	7743
		125 mm	7589
		150 mm	7886
	Thermally insulated flexible hose in Al, 10 m	102 mm	8000
		127 mm	7887
		152 mm	7888
		203 mm	8037
	Saniflex anti-bacterial flexible plastic hose, thermally insulated, 10 m	127 mm	16068
Shaped pieces		Diam.	Code
	Male coupler	100 mm	8854
		125 mm	7894
		150 mm	7895
	Duct reducer	125/100 mm	7896
		150/100 mm	16653
		150/125 mm	7897
		200/150 mm	7904
		100/100 mm	7769
	T-piece	125/100 mm	7721
		125/125 mm	7889
		150/100 mm	7890
		150/125 mm	7908
		150/150 mm	7891
		100/100 mm	7769
Components		Diam.	Code
	Butterfly damper	100 mm	7898
		125 mm	7899
		150 mm	7900
	Sealed butterfly damper	100 mm	7771
		125 mm	10872
		150 mm	11565
	Duct muffler, 175 x 175 x 600 mm	125 mm	16646
Air duct heaters			Code
	Electric air duct heater, 0.4 kW, DN 125 incl. adjust. and high limit thermostats, 3 m cable		14059
	Electric air duct heater, 0.6 kW, DN 150 incl. adjust. and high limit thermostats, 3 m cable		14796
	Hot-water air duct heater, 1.2 kW, DN 200		9215

Flexible Highly Resistant Air Duct in HDPE		Code
	Flexible Air Duct in HDPE, antibacterial, diam. 75, 50 m	15731
	Flexible Air Duct in HDPE, antibacterial, diam. 75, 10 m	16164
	Plastic Ceiling Outlet, 125/75	16173
	Air Distribution Box, angled, 3x75/125	15733
	Air Distribution Box, angled, (1+3+1)x75/125	16536
	Air Distribution Box, angled, (2+4+2)x75/125	16537
	Air Distribution Box, angled, (2+4+2)x75/150	16538
	Air Distribution Box (1+3+1)x75/60x200	16540
	Air Distribution Box (2+4+2)x75/60x200	16539
	Extension for Air Distribution Box – 0.5m long	125 mm 150 mm
	Butterfly damper diam. 75	16730
	Bend, 90°	15739
	Duct Reducer, 100/75	15740
	Duct Reducer, 125/75	15741
	Duct Reducer, angled, 125/75	16541
	Flexible Air Duct Coupler	15742
	Support for Air Duct	15752
	Heat Shrink Sleeve for air ducts	15749
	Seal between an air duct and distribution box	15748
	Seal between an air duct and coupler	15747
	DUCT Adhesive Tape, PE - 50 mm x 50 m x 0.15 mm, up to 60°C	16654
	TALE Adhesive tape, AL - 50 mm x 50 m x 0.3 mm, up to 120°C	16655
	Air Distribution Box Plug	15751
	Air Duct Plug	15750

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Square plastic pipes		Code	
	Square plastic pipes 60x200 mm, 1 m	7905	
	Square plastic pipes 60x200 mm, 1.5 m	7906	
	Square coupling 60x200 mm	7909	
	Elbow adapter, square to round, 60x200/125 mm	7910	
	Elbow adapter, square to round, 60x200/100 mm	8243	
	Square to round adapter, 125/60x200 mm	7911	
	90° horizontal elbow 60x200 mm	7912	
	45° horizontal elbow, with divisible segments, 60x200 mm	9744	
	90° vertical elbow 60x200 mm	8045	
	T-piece 60x200 mm	7913	
	Horizontal ventilation grille, 60x204 mm	11754	
	Round plastic pipe 1 m	100 mm	8852
		125 mm	8039
		150 mm	16731
Air duct bracket, 204x60 mm	14255		
Plastic air disk valves		Diam.	Code
	Air duct inlet / outlet disc valve	100 mm	7901
		125 mm	7902
	Round plastic grille, anti-insect net	80-125 mm	9002
	Round grille, insect mesh, stainless steel	100 mm	16647
		125 mm	16648
		150 mm	16649
	Round grille, bull nose, insect mesh, stainless steel	100 mm	16650
		125 mm	16651
		150 mm	16652
	Inlet/outlet Terminal	125 mm	175
	Pitched-roof flashing, workable Al sheet	125 mm	8014

R0BC hot water storage tanks, incl. insulation		Code
	R0BC 200, HW storage tank, enameled, 212 l, diam. 600 mm, 1265 mm high, en. ef. class C	10586
	R0BC 300 HW storage tank, enameled, 297 l, diam. 610 mm, 1710 mm high, en. ef. class C	10571
	R0BC 400 HW storage tank, enameled, 420 l, diam. 710 mm, 1690 mm high, en. ef. class C	10587
	R0BC 500 HW storage tank, enameled, 513 l, diam. 760 mm, 1780 mm high	8795
	R0BC 750 HW storage tank, enameled, 763 l, diam. 950 mm, 1870 mm high	10364
	R0BC 1000 HW storage tank, enameled, 885 l, diam. 950 mm, 2120 mm high	10365
	R0BC 1500 HW storage tank, enameled, 1494 l, diam. 1200 mm, 2285 mm high	x 16715
	R0BC 2000 HW storage tank, enameled, 2013 l, diam. 1300 mm, 2550 mm high	x 16716
	R0BC 2500 HW storage tank, enameled, 2508 l, diam. 1400 mm, 2680 mm high	x 10501
	R0BC 3000 HW storage tank, enameled, 2841 l, diam. 1400 mm, 2980 mm high	x 8901
RBC hot water storage tanks with 1 heat exchanger, incl. insulation		Code
	RBC 200 HW storage tank, enameled, 214 l, diam. 610 mm, 1265 mm high, en. ef. class C	3252
	RBC 300 HW storage tank, enameled, 297 l, diam. 610 mm, 1710 mm high, en. ef. class C	3253
	RBC 400 HW storage tank, enameled, 408 l, diam. 710 mm, 1655 mm high, en. ef. class C	6479
	RBC 500 HW storage tank, enameled, 515 l, diam. 760 mm, 1785 mm high, en. ef. class C	6480
	RBC 750 HW storage tank, enameled, 767 l, diam. 950 mm, 1870 mm high	4037
	RBC 1000 HW storage tank, enameled, 887 l, diam. 950 mm, 2120 mm high	4038
	RBC 1500 HW storage tank, enameled, 1492 l, diam. 1200mm, 2285mm high	x 16710
	RBC 2000 HW storage tank, enameled, 2006 l, diam. 1300mm, 2550mm high	x 16711
	RBC 2500 HW storage tank, enameled, 2509 l, diam. 1400mm, 2680mm high	x 12420
	RBC 3000 HW storage tank, enameled, 2841 l, diam. 1400mm, 2980mm high	x 8477
R2BC hot water storage tanks with 2 heat exchangers, incl. insulation		Code
	R2BC 200 HW storage tank, enameled, 213 l, diam. 610 mm, 1265 mm high, en. ef. class C	6481
	R2BC 300 HW storage tank, enameled, 299 l, diam. 660 mm, 1710 mm high, en. ef. class C	6482
	R2BC 400 HW storage tank, enameled, 420 l, diam. 710 mm, 1690 mm high, en. ef. class C	6483
	R2BC 500 HW storage tank, enameled, 514 l, diam. 760 mm, 1780 mm high, en. ef. class C	6484
	R2BC 750 HW storage tank, enameled, 762 l, diam. 950 mm, 1870 mm high	6485
	R2BC 1000 HW storage tank, enameled, 883 l, diam. 950 mm, 2120 mm high	5758
	R2BC 1500 HW storage tank, enameled, 1493 l, diam. 1200 mm, 2285 mm high	x 16712
	R2BC 2000 HW storage tank, enameled, 2007 l, diam. 1300 mm, 2550 mm high	x 16713
	R2BC 2500 HW storage tank, enameled, 2510 l, diam. 1400 mm, 2680 mm high	x 12432
	R2BC 3000 HW storage tank, enameled, 2841 l, diam. 1400 mm, 2980 mm high	x 8474
RBC HP hot water storage tanks, upsized heat exchanger, incl. insul.		Code
	RBC 200HP, HW storage tank, enameled, 205 l, diam. 610 mm, 1265 mm high heat exchanger surface 3 sqm, en. effic. class C	10534
	RBC 300HP, HW storage tank, enameled, 299 l, diam. 610 mm, 1710 mm high heat exchanger surface 3.8 sqm, en. effic. class C	10535
	RBC 400HP, HW storage tank, enameled, 407 l, diam. 710 mm, 1655 mm high heat exchanger surface 5 sqm, en. effic. class C	10536
	RBC 500HP, HW storage tank, enameled, 509 l, diam. 760 mm, 1785 mm high heat exchanger surface 5.9 sqm, en. effic. class C	8546
	RBC 750HP, HW storage tank, enameled, 764 l, diam. 950 mm, 1870 mm high. heat exchanger surface 7.5 sqm	10537
	RBC 1000HP, HW storage tank, enameled, diam. 940 mm, 2120 mm high. heat exchanger surface 10 sqm (no 6/4" tapping for electric heating element)	7883
	RBC 1500HP, HW storage tank, enameled, 1516 l, diam. 1200 mm, 2285 m high. heat exchanger surface 11 sqm (no 6/4" tapping for electric heating element)	16714

Tank diameter is incl. insulation. The insulation is detachable.
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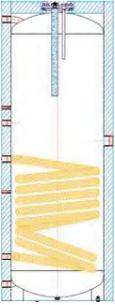
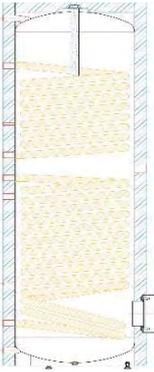
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Wall-hung RDC hot water storage tanks with 1 heat exchanger, incl. insulation		Code
	RDC 200 Z wall-hung hot water storage tank, enamelled, 202 l, diam. 584 mm, 1287 mm high, energy eff. class C 6/4" nipple for heating elem. installation above heat exchanger, suitable for solar thermal system.	14922
RDC hot water storage tanks with 1 heat exchanger, incl. insulation		Code
	RDC 160 hot water storage tank, enamelled, 157 l, diam. 584 mm, 1075 mm high, energy eff. class C	12772
	RDC 200 hot water storage tank, enamelled, 216 l, diam. 584 mm, 1352 mm high, energy eff. class C	12758
	RDC 250 hot water storage tank, enamelled, 274 l, diam. 584 mm, 1557 mm high, energy eff. class C	15860
	RDC 300 hot water storage tank, enamelled, 302 l, diam. 597 mm, 1790 mm high, energy eff. class C	12759
R2DC hot water storage tanks with 2 heat exchangers, incl. insulation		Code
	R2DC 160 hot water storage tank, enamelled, 153 l, diam. 584 mm, 1075 mm high, energy eff. class C	13490
	R2DC 200 hot water storage tank, enamelled, 216 l, diam. 584 mm, 1352 mm high, energy eff. class C	11351
	R2DC 250 hot water storage tank, enamelled, 260 l, diam. 584 mm, 1562 mm high, energy eff. class C	12051
	R2DC 300 hot water storage tank, enamelled, 293 l, diam. 597 mm, 1790 mm high, energy eff. class C	11352
RGC H Hot Water Storage Tanks with 1 heat exchanger, incl. insulation		Code
	RGC 120 H hot water storage tank, enamelled, connection points upwards, 120 l, width x depth 460 x 460 incl. insulation, 1140 mm high, energy eff. class C	10493
RGC K hot water storage tanks, reduced height, with 1 heat exchanger, incl. insulation		Code
	RGC 300 K Hot Water Storage Tank, reduced height, enamelled, 283 l, diam. 700 mm, 1210 mm high, energy eff. class C	16087
R2GC K hot water storage tanks, reduced height, with 2 heat exchangers, incl. insulation		Code
	R2GC 300 K Hot Water Storage Tank, reduced height, enamelled, 282 l, diam. 700 mm, 1210 mm high, energy eff. class C	16089

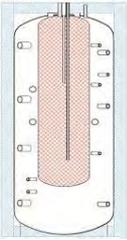
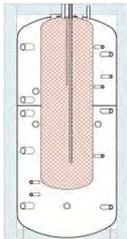
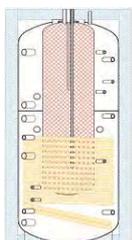
Tank diameter is incl. insulation. The insulation is not detachable.

Electronic anode rods				
	Kits for Regulus Hot Water Storage Tanks		Code	
	Electronic anode rod for DUO 390/130 - 1700/200		13793	
	Electronic anode rod for RGC 120 H hot water storage tanks		9176	
	Electronic anode rod for RxDC 160, RxGC 300 K, RBC 200 hot water storage tanks		9173	
	Electronic anode rod for RxDC 200-250, R0BC 200-500, RBC 300, R2BC 200-300 hot water		9174	
	Electronic anode rod for RBC 200-300 HP hot water storage tanks		17375	
	Electronic anode rod for R0BC 750-1000 hot water storage tanks		17372	
	Electronic anode rod for RxDC 300 hot water storage tanks, set of two		17378	
	Electronic anode rod for RBC 400-500, R2BC 400-500 hot water storage tanks, set of two		17368	
	Electronic anode rod for RBC 400-500 HP hot water storage tanks, set of two		17376	
	Electronic anode rod for RBC 750-1000, R2BC 750-1000 hot water storage tanks, set of two		17369	
	Electronic anode rod for RBC 750-1500 HP hot water storage tanks, set of two		17377	
	Electronic anode rod for RxBBC 1500-2500, R0BC 3000 hot water storage tanks, set of two		14429	
	Electronic anode rod for RBC 3000, R2BC 3000 hot water storage tanks, set of three		17371	
	Anode Rod + Electronics Kits		Code	
	Electronic anode rod 200/150, 350 mm long, 1/2" thread, incl. electronics		9169	
	Electronic anode rod 200/250, 450 mm long, 1/2" thread, incl. electronics		4052	
	Electronic anode rod 350/150, 500 mm long, 1/2" thread, incl. electronics		9170	
	Electronic anode rod 350/250, 600 mm long, 1/2" thread, incl. electronics		3836	
	Electronic anode rod 550/200, 750 mm long, 1/2" thread, incl. electronics		3837	
	Electronic anode rod 550/250, 800 mm long, 1/2" thread, incl. electronics		17475	
Other accessories to hot water storage tanks			Code	
	Flange for RxDC 300 hot water storage tank, G 6/4" to install second el. heating element		12707	
	Flange for RxBBC 200-300 hot water storage tank, G 6/4" to install second el. heating element		17199	
	Flange for another el. heating element, incl. el. anode rod kit, G 6/4" + G 1/2", for RxBBC 400-500 hot water storage tanks		17432	
	Flange for another el. heating element, incl. el. anode rod kit, G 6/4" + G 1/2", for RBC 200-500 HP hot water storage tanks		17434	
	Flange for another el. heating element, incl. el. anode rod kit, G 6/4" + G 1/2", for RBC 750-1000 HP, R0BC 750-1000 hot water storage tanks		17428	
	Flange for another el. heating element, incl. el. anode rod kit, G 6/4" + G 1/2", for RBC 750-1000, R2BC 750-1000 hot water storage tanks		17433	
	Flange for another el. heating element, incl. el. anode rod kit, G 6/4" + G 1/2", for RBC 1500 HP, RxBBC 1500-2500, R0BC 3000 hot water storage tanks		17435	
	Flange for another el. heating element, incl. el. anode rod kit, G 6/4" + G 1/2", for RBC 3000, R2BC 3000 hot water storage tanks		17436	
	Flange for RxDC 300 hot water storage tank, 2 holes diam. 30 mm, 55 mm center-to-center distance		12706	
	Flange for RxBBC hot water storage tank up to 300 l, 2 holes diam. 30 mm, 55 mm center-to-center distance		8375	
	Tube heat exchanger 0.94 sqm, 3/4", for RxBBC and RxDC 300, Ø 110, l=400, pipe dist. 55 mm		8377	
	PTR valve - pressure and temperature release valve for hot water storage tanks protection against high pressure and overheating		7 bar, 92 °C 10 bar, 92 °C	17240 17241
	Connection Kit – PTR valve x HSK Thermal Stores		17527	
	Connection Kit – PTR valve x DUO Thermal Stores, RGC 120 H, RxDC hot wat. st. tanks		17525	
Connection Kit – PTR valve x R0BC 200-750 hot water storage tanks		17524		
Connection Kit – PTR valve x RBC 200-400 (HP), R2BC 200-400 hot water storage tanks		17526		
Connection Kit – PTR valve x RBC 500-1000 (HP), R2BC 500-1000 hot water storage tanks		17528		
Connection Kit – PTR valve x R0BC 1000, RxBBC 1500-3000 (HP) hot water storage tanks		17529		

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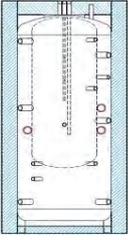
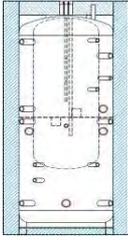
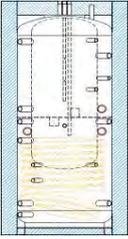
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DUO Thermal Stores with immersed DHW tank (intended for use with autom. boilers)		Code
	DUO 390/130 diam. 550/750 mm, 1910 mm high, 387 l, energy effic. class C*	14198
	DUO 600/200 diam. 650/850 mm, 1935 mm high, 552 l	14201
	DUO 750/200 diam. 750/950 mm, 1980 mm high, 749 l	14204
	DUO 1000/200 diam. 800/1000 mm, 2080 mm high, 918 l	14210
	DUO 1700/200 diam. 1100/1300 mm, 2080 mm high, 1682 l	14213
	Insulation sets for DUO – S-II fleece insulation with PUR leather surface, incl. top and bottom insulation	
	S-II insulation for DUO 390/130 thermal store	16294
	S-II insulation for DUO 600/200 thermal store	16300
	S-II insulation for DUO 750/200 thermal store	16303
	S-II insulation for DUO 1000/200 thermal store	16255
	S-II insulation for DUO 1700/200 thermal store	16291
DUO P Thermal Stores with immersed DHW tank and separating metal sheet (intended for use with heat pumps and manually loaded boilers)		Code
	DUO 390/130 P diam. 550/750 mm, 1910 mm high, 386 l, energy effic. class C*	14071
	DUO 600/200 P diam. 650/850 mm, 1935 mm high, 551 l	14272
	DUO 750/200 P diam. 750/950 mm, 1980 mm high, 748 l	14274
	DUO 1000/200 P diam. 800/1000 mm, 2080 mm high, 917 l	14266
	DUO 1700/200 P diam. 1100/1300 mm, 2080 mm high, 1681 l	14268
	Insulation sets for DUO P – S-II fleece insulation with PUR leather surface, incl. top and bottom insulation	
	S-II insulation for DUO 390/130 P thermal store	16295
	S-II insulation for DUO 600/200 P thermal store	16301
	S-II insulation for DUO 750/200 P thermal store	16304
	S-II insulation for DUO 1000/200 P thermal store	16256
	S-II insulation for DUO 1700/200 P thermal store	16292
DUO PR Thermal Stores with immersed DHW tank, separating metal sheet and heat exchanger (intended for use with solar thermal systems)		Code
	DUO 390/130 PR diam. 550/750 mm, 1910 mm high, 383 l, 1.5 sqm heat exchanger, en. eff. class C*	14072
	DUO 600/200 PR diam. 650/850 mm, 1935 mm high, 534 l, 2.4 sqm heat exchanger	14219
	DUO 750/200 PR diam. 750/950 mm, 1980 mm high, 743 l, 2.5 sqm heat exchanger	14222
	DUO 1000/200 PR diam. 800/1000 mm, 2080 mm high, 913 l, 3.2 sqm heat exchanger	14125
	DUO 1700/200 PR diam. 1100/1300 mm, 2080 mm high, 1670 l, 4 sqm heat exchanger	14228
	Insulation sets for DUO PR – S-II fleece insulation with PUR leather surface, incl. top and bottom insulation	
	S-II insulation for DUO 390/130 PR thermal store	16296
	S-II insulation for DUO 600/200 PR thermal store	16302
	S-II insulation for DUO 750/200 PR thermal store	16305
	S-II insulation for DUO 1000/200 PR thermal store	16258
	S-II insulation for DUO 1700/200 PR thermal store	16293

Tank diameter is without/with insulation.

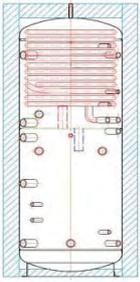
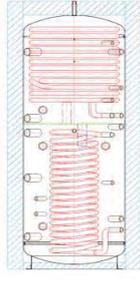
* energy efficiency class of tank with insulation

DUO K Thermal Stores, reduced height, with immersed DHW tank		Code	
	DUO 390/130 K diam. 600/800 mm, 1670 mm high, 399 l, energy effic. class C*	16070	
	Insulation sets for DUO K – S-II fleece insulation with PUR leather surface, incl. top and bottom insulation	Code	
	S-II insulation for DUO 390/130 K thermal store	16297	
DUO K P Thermal Stores, reduced height, with immersed DHW tank and separating metal sheet		Code	
	DUO 390/130 K P diam. 600/800 mm, 1670 mm high, 399 l, energy effic. class C*	16073	
	Insulation sets for DUO K P – S-II fleece insulation with PUR leather surface, incl. top and bottom insulation	Code	
	S-II insulation for DUO 390/130 K P thermal store	16298	
DUO K PR Thermal Stores, reduced height, with immersed DHW tank, separating metal sheet and solar heat exchanger		Code	
	DUO 390/130 K PR diam. 600/800 mm, 1670 mm high, 395 l, 1.5 sqm heat exchanger, energy effic. class C*	16077	
	Insulation sets for DUO K PR – S-II fleece insulation with PUR leather surface, incl. top and bottom insulation	Code	
	S-II insulation for DUO 390/130 K PR thermal store	16299	
Accessories		Code	
	Electronic anode rod for DUO 390/130 - 1700/200	13793	
	Accessory Kit for DUO/HSK P (thermometer, pressure gauge, safety valve, air vent valve, sheath)	17568	
	Accessory Kit for DUO/HSK PR/PV (thermometer, pressure gauge, safety valve, air vent valve, 2x sheath)	17569	
	PTR valve pressure and temperature release valve for hot water storage tank protection against high pressure and overheating	7 bar, 92 °C 10 bar, 92 °C	17240 17241
	Connection Kit – PTR valve x DUO Thermal Stores		17525
	DUO R Kit – connection kit for solar thermal system and tank without heat exchanger – involving DV193-30, UPM3 pump		14908
	DUO 2R Kit – connection kit for solar thermal system and tank without heat exchanger – involving DV193-30, UPM3 pump, VZP zone valves		14909

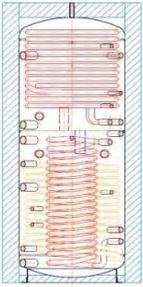
Tank diameter is without/with insulation.

* energy efficiency class of tank with insulation

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HSK P Thermal Store with stainless-steel tube DHW heat exchanger and separating metal sheet		Code
	HSK 390 P diam. 550/750 mm, 1905 mm high, 398 l, 6 sqm DHW heat exchanger, energy effic. class C*	13517
	HSK 600 P diam. 650/850 mm, 1935 mm high, 560 l, 6 sqm DHW heat exchanger	14175
	HSK 750 P diam. 750/950 mm, 1975 mm high, 760 l, 6 sqm DHW heat exchanger	14178
	HSK 1000 P diam. 800/1000 mm, 2080 mm high, 925 l, 6 sqm DHW heat exchanger	14555
	HSK 1700 P diam. 1100/1300 mm, 2075 mm high, 1687 l, 6 sqm DHW heat exchanger	14558
Insulation Sets for HSK P – S-II soft insulation with PUR leather surface, incl. top and bottom insulation		Code
	S-II insulation for HSK 390 P thermal store	16318
	S-II insulation for HSK 600 P thermal store	16320
	S-II insulation for HSK 750 P thermal store	16323
	S-II insulation for HSK 1000 P thermal store	16310
	S-II insulation for HSK 1700 P thermal store	16314
HSK PV Thermal Store with 2 stainless-steel tube DHW heat exchangers and separating metal sheet		Code
	HSK 600 PV diam. 650/850 mm, 1935 mm high, 557 l, 6+3 sqm DHW heat exchangers	16158
	HSK 750 PV diam. 750/950 mm, 1975 mm high, 760 l, 6+3 sqm DHW heat exchangers	16177
	HSK 1000 PV diam. 800/1000 mm, 2080 mm high, 922 l, 6+3 sqm DHW heat exchangers	16180
	HSK 1700 PV diam. 1100/1300 mm, 2075 mm high, 1684 l, 6+3 sqm DHW heat exchangers	16183
	Insulation Sets for HSK PV – S-II soft insulation with PUR leather surface, incl. top and bottom insulation	
	S-II insulation for HSK 600 PV thermal store	16160
	S-II insulation for HSK 750 PV thermal store	16179
	S-II insulation for HSK 1000 PV thermal store	16312
	S-II insulation for HSK 1700 PV thermal store	16185

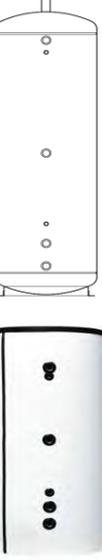
Tank diameter is without/with insulation.
* energy efficiency class of tank with insulation

HSK PR Thermal Store with stainless-steel DHW tube heat exchanger(s), separating metal sheet and solar HE (suitable for solar thermal systems)		Code	
	HSK 390 PR diam. 550/750 mm, 1905 mm high, 394 l, 6 sqm DHW heat exchanger, 1.5 sqm solar HE, energy effic. class C*	14172	
	HSK 600 PR diam. 650/850 mm, 1935 mm high, 553 l, 6+3 sqm DHW heat exchanger, 2.4 sqm solar HE	14187	
	HSK 750 PR diam. 750/950 mm, 1975 mm high, 753 l, 6+3 sqm DHW heat exchanger, 2.5 sqm solar HE	14190	
	HSK 1000 PR diam. 800/1000 mm, 2080 mm high, 916 l, 6+3 sqm DHW heat exchanger, 3.2 sqm solar HE	14012	
	HSK 1700 PR diam. 1100/1300 mm, 2075 mm high, 1676 l, 6+3 sqm DHW heat exchanger, 4.0 sqm solar HE	14013	
	Insulation Sets for HSK PR – S-II soft insulation with PUR leather surface, incl. top and bottom insulation	Code	
	S-II insulation for HSK 390 PR thermal store	16319	
	S-II insulation for HSK 600 PR thermal store	16321	
	S-II insulation for HSK 750 PR thermal store	16324	
	S-II insulation for HSK 1000 PR thermal store	16311	
	S-II insulation for HSK 1700 PR thermal store	16315	
Accessories to HSK thermal store		Code	
	Accessory Kit for DUO/HSK P (thermometer, pressure gauge, safety valve, air vent valve, sheath)	17568	
	Accessory Kit for DUO/HSK PR/PV (thermometer, pressure gauge, safety valve, air vent valve, 2x sheath)	17569	
	PTR valve pressure and temperature release valve for hot water storage tank protection against high pressure and overheating	7 bar, 92 °C 10 bar, 92 °C	17240 17241
	Connection Kit – PTR valve x HSK Thermal Stores		17527

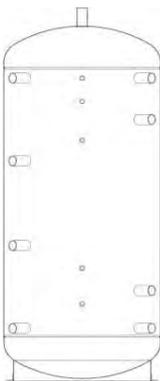
Tank diameter is without/with insulation.

* energy efficiency class of tank with insulation

ID
 FOS
 HRV
 ACC
 FHE
 FEV
 ZOC
 BAC
 INS
 P
 CH
 FAL
 PPT

PS ES+ Thermal Stores, 4 G 6/4" tappings		Code	
	PS 600 ES+, 650/850 mm diam., 1935 mm high, 560 l	15527	
	PS 900 ES+, 790/990 mm diam., 1975 mm high, 860 l	15530	
	PS 1100 ES+, 850/1050 mm diam., 2080 mm high, 1037 l	15956	
	Insulation Sets for PS ES+ - S-II soft insulation with PUR leather, incl. top and bottom insulation		Code
	S-II insulation for PS 600 ES+ thermal store	16333	
	S-II insulation for PS 900 ES+ thermal store	16340	
	S-II insulation for PS 1100 ES+ thermal store	16348	
PS E+ Thermal Stores, 5 G 6/4" tappings		Code	
	PS 500 E+, 600/800 mm diam., 1915 mm high, 473 l, en.effic.class C*	14754	
	PS 750 E+, 750/950 mm diam., 1975 mm high, 756 l	15212	
	PS 1000 E+, 800/1000 mm diam., 2080 mm high, 927 l	15851	
	PS 1100 E+, 850/1050 mm diam., 2080 mm high, 1038 l	15215	
	PS 1250 E+, 950/1150 mm diam., 2065 mm high, 1260 l	15992	
	Insulation Sets for PS E+ - S-II soft insulation with PUR leather, incl. top and bottom insulation		Code
	S-II insulation for PS 500 E+ thermal store	16330	
	S-II insulation for PS 750 E+ thermal store	16338	
	S-II insulation for PS 1000 E+ thermal store	16344	
	S-II insulation for PS 1100 E+ thermal store	16347	
S-II insulation for PS 1250 E+ thermal store	16351		
PS K+ Thermal Stores (reduced height), 9 G 6/4" tappings		Code	
	PS 400 K+, 600/800 mm diam., 1665 mm high, 403 l, en.effic.class C*	15285	
	PS 500 K+, 650/850 mm diam., 1685 mm high, 477 l, en.effic.class C*	15288	
	PS 600 K+, 700/900 mm diam., 1705 mm high, 560 l	15291	
	PS 700 K+, 790/990 mm diam., 1725 mm high, 737 l	15294	
	PS 900 K+, 850/1050 mm diam., 1765 mm high, 861 l	15297	
	PS 1100 K+, 950/1150 mm diam., 1815 mm high, 1085 l	16119	
	Insulation Sets for PS K+ - S-II soft insulation with PUR leather, incl. top and bottom insulation		Code
	S-II insulation for PS 400 K+ thermal store	16328	
	S-II insulation for PS 500 K+ thermal store	16331	
	S-II insulation for PS 600 K+ thermal store	16334	
S-II insulation for PS 700 K+ thermal store	16336		
S-II insulation for PS 900 K+ thermal store	16341		
S-II insulation for PS 1100 K+ thermal store	16349		

Tank diameter is without/with insulation.
* energy efficiency class of tank with insulation

PS N+ Thermal Stores, 9 G 6/4" tappings		Code
	PS 200 N+, 450/650 mm diam., 1351 mm high, 181 l, en.effic.class C*	14717
	PS 300 N+, 550/750 mm diam., 1405 mm high, 280 l, en.effic.class C*	14720
	PS 400 N+, 550/750 mm diam., 1905 mm high, 397 l, en.effic.class C*	13783
	PS 500 N+, 600/800 mm diam., 1915 mm high, 474 l, en.effic.class C*	14723
	PS 600 N+, 650/850 mm diam., 1935 mm high, 560 l	15135
	PS 700 N+, 700/900 mm diam., 1955 mm high, 656 l	15138
	PS 800 N+, 800/1000 mm diam., 1845 mm high, 804 l	15141
	PS 900 N+, 790/990 mm diam., 1975 mm high, 860 l	15144
	PS 1000 N+, 800/1000 mm diam., 2080 mm high, 927 l	15147
	PS 1100 N+, 850/1050 mm diam., 2080 mm high, 1040 l	15150
	PS 1500 N+, 1100/1300 mm diam., 1885 mm high, 1504 l	15153
	PS 2000 N+, 1250/1450 mm diam., 1955 mm high, 2005 l	15156
	PS 3000 N25, 1500/1700 mm diam., 2040 mm high, 3022 l, 9 G 2.5" tappings	x 14454
	PS 4000 N25, 1600/1800 mm diam., 2355 mm high, 3991 l, 9 G 2.5" tappings	x 14457
PS 5000 N25, 1600/1800 mm diam., 2855 mm high, 4989 l, 9 G 2.5" tappings	x 14331	
Insulation Sets for PS N+ - S-II soft insulation with PUR leather, incl. top and bottom insulation		Code
S-II insulation for PS 200 N+ thermal store	16326	
S-II insulation for PS 300 N+ thermal store	16327	
S-II insulation for PS 400 N+ thermal store	16329	
S-II insulation for PS 500 N+ thermal store	16332	
S-II insulation for PS 600 N+ thermal store	16335	
S-II insulation for PS 700 N+ thermal store	16337	
S-II insulation for PS 800 N+ thermal store	16339	
S-II insulation for PS 900 N+ thermal store	16342	
S-II insulation for PS 1000 N+ thermal store	16345	
S-II insulation for PS 1100 N+ thermal store	16350	
S-II insulation for PS 1500 N+ thermal store	16352	
S-II insulation for PS 2000 N+ thermal store	16353	
S-II insulation for PS 3000 N25 thermal store	x 16354	
S-II insulation for PS 4000 N25 thermal store	x 16355	
S-II insulation for PS 5000 N25 thermal store	x 16356	

Tank diameter is without/with insulation.

* energy efficiency class of tank with insulation

x - upon order

PH

FOS

HRV

ACC

FEE

FV

CON

CPB

CSH

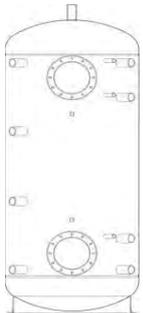
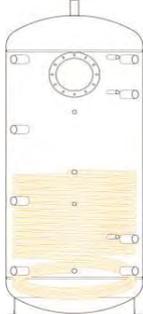
PI

CH

FAL

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Thermal Stores with 2 flanged openings (no flanges), 9 G 6/4" tappings		Code
	PS2F 300 N+, 550/750 mm diam., 1405 mm high, 285 l, en.effic.class C*	14726
	PS2F 500 N+, 600/800 mm diam., 1915 mm high, 479 l, en.effic.class C*	14729
	PS2F 800 N+, 800/1000 mm diam., 1845 mm high, 809 l	15218
	PS2F 1000 N+, 800/1000 mm diam., 2080 mm high, 932 l	15221
	PS2F 1500 N+, 1100/1300 mm diam., 1885 mm high, 1509 l	15224
	PS2F 2000 N+, 1250/1450 mm diam., 1955 mm high, 2010 l	15227
	PS2F 3000 N25, 1500/1700 mm diam., 2040 mm high, 3027 l, 9 G 2.5" tappings	x 14460
	PS2F 4000 N25, 1600/1800 mm diam., 2355 mm high, 3996 l, 9 G 2.5" tappings	x 14463
	PS2F 5000 N25, 1600/1800 mm diam., 2855 mm high, 4994 l, 9 G 2.5" tappings	x 14466
	Insulation Sets for PS2F N+	
- S-II soft insulation with PUR leather, incl. top and bottom insulation		
S-II insulation for PS2F 300 N+ thermal store	16357	
S-II insulation for PS2F 500 N+ thermal store	16358	
S-II insulation for PS2F 800 N+ thermal store	16359	
S-II insulation for PS2F 1000 N+ thermal store	16360	
S-II insulation for PS2F 1500 N+ thermal store	16361	
S-II insulation for PS2F 2000 N+ thermal store	16362	
S-II insulation for PS2F 3000 N25 thermal store	x 16363	
S-II insulation for PS2F 4000 N25 thermal store	x 16364	
S-II insulation for PS2F 5000 N25 thermal store	x 16365	
Thermal Stores with heat exchanger and flanged opening (no flange), 9 G 6/4" tappings		Code
	PSWF 300 N+, 550/750 mm diam., 1405 mm high, 280 l, 1.5 sqm heat exchanger, en.effic.class C*	14732
	PSWF 500 N+, 600/800 mm diam., 1915 mm high, 472 l, 2,0 sqm heat exchanger, en.effic.class C*	14735
	PSWF 800 N+, 800/1000 mm diam., 1845 mm high, 807 l, 2,7 sqm heat exchanger	15230
	PSWF 1000 N+, 800/1000 mm diam., 2080 mm high, 930 l, 3,2 sqm heat exchanger	15232
	PSWF 1500 N+, 1100/1300 mm diam., 1885 mm high, 1498 l, 4,0 sqm heat exchanger	15234
	PSWF 2000 N+, 1250/1450 mm diam., 1955 mm high, 1996 l, 4,5 sqm heat exchanger	15236
	Insulation Sets for PSWF N+	
- S-II soft insulation with PUR leather, incl. top and bottom insulation		
S-II insulation for PSWF 300 N+ thermal store	16366	
S-II insulation for PSWF 500 N+ thermal store	16367	
S-II insulation for PSWF 800 N+ thermal store	16371	
S-II insulation for PSWF 1000 N+ thermal store	16368	
S-II insulation for PSWF 1500 N+ thermal store	16369	
S-II insulation for PSWF 2000 N+ thermal store	16370	

Tank diameter is without/with insulation.

* energy efficiency class of tank with insulation

x - upon order

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

Flanges for thermal stores		Code
	Blind flange - d=312, no holes	6230
	Flange for finned copper heat exchanger (code 6150 to 6154) - d=312, 2xd=30-70	6231
	Flange for finned copper heat exchanger (code 6155 to 6157) - d=312, 2xd=39-90	6232
Finned copper tube heat exchangers, flange mount		Code
	Tube heat exchanger 0.6 sqm, d. 145x410mm, 3/4", 1 coil (for flange code 6231)	6150
	Tube heat exchanger 1.06 sqm, d. 145x420mm, 3/4", 1 coil (for flange code 6231)	6151
	Tube heat exchanger 1.8 sqm, d. 170x470mm, 3/4", 1 coil (for flange code 6231)	6152
	Tube heat exchanger 2.63 sqm, d. 190x600mm, 3/4", 1 coil (for flange code 6231)	6154
	Tube heat exchanger 3.15 sqm, d. 190x560mm, 1", 2 coils (for flange code 6232)	6157
	Tube heat exchanger 3.6 sqm, d. 190x630mm, 1", 2 coils (for flange code 6232)	6155
	Tube heat exchanger 4.5 sqm, d. 190x750mm, 1", 2 coils (for flange code 6232)	6156
Other accessories to thermal stores		Code
	Accessory Kit for PSxx N+ (thermometer, pressure gauge, safety valve, sheath)	17566
	Accessory Kit for PS E+ (thermometer, pressure gauge, safety valve)	17567
	Tapping Insulation in EPP to insulate therm. store tappings, 110 mm diam., 85 mm long	14818
	Plug 1/2" w. gasket (Asbestos-free)	7634
	Plug 1"	7691
	Plug 6/4"	7881
	Hex Nipple, 6/4" M/M	7627
	Reducing Hex Nipple, 6/4" x 1", M/M	8766
	Reducing Hex Nipple, 6/4" x 5/4", M/M	8767
	Reducer, 1/2" x 1/4" M/F for thermomanometers	16169
	Reducer, 6/4" x 1", M/F	7882
	Reducer, 2,5"x6/4" M/F for heating elements into PSxx N25 thermal stores	15089
	T-piece, 1/2" F x 1/4" F x 1/2" M for pressure gauge and 1/2" sheath installation	16170
	Single sheath, 7x9x100 mm - nickel plated, 1/2"	9078
	Single sheath, 7x9x45 mm, 1/2", brass	14879
	Single sheath, 7x9x60 mm, 1/2", brass	15746
	Single sheath, 7x9x100 mm, 1/2", brass	14880
	Single sheath, 7x9x120 mm, 1/2", brass	15745
	Single sheath, 7x9x160 mm, 1/2", brass	16590
	Single sheath, 7x9x180 mm, 1/2", brass	16591
	Single sheath, 7x9 x 200 mm, 1/2", brass	14881
	Sheath for 3 sensors, 15x17x100 mm, 1/2", brass	15744
	Sheath for 3 sensors, 15x17x130 mm, 1/2", brass	16592
Sheath for 3 sensors, 15x17x230 mm, 1/2", brass	15743	
Sheath for 4 sensors, 15x17x120 mm, 1/2", brass	14882	
Spring to replace one sensor in multi-sensor sheath	9185	
Curly spring to fix sensor in sheath (for sheath for 3 or 4 sensors)	1497	
Capillary spring, small, 1/2", stainless steel	10845	
Capillary spring, small, 1/2", stainless steel, 100 pcs	13563	
Capillary spring, big, 3/4", stainless steel	13557	

For more brass threaded fittings see page 78.

HP

SOS

HVV

ACC

FHF

FV

CON

BPC

HCS

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FAL

FPP

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	9548
	DV193-30E	4xG3/4"M	10 sqm	24 kW	38 kW	9549
	DV193-45E	4xG3/4"M	16 sqm	35 kW	58 kW	9550
	DV193-60E	4xG3/4"M	21 sqm	47 kW	78 kW	9551
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	9552
	DV285-20E	4xG1"M	10 sqm	30 kW	46 kW	9553
	DV285-30E	4xG1"M	15 sqm	45 kW	71 kW	9554
	DV285-45E	4xG1"M	23 sqm	68 kW	109 kW	9555
	DV285-60E	4xG1"M	31 sqm	90 kW	141 kW	9556
DV500 insulated heat exchangers						Code
	DV503-20E, 4xG1"M - design on request					11045
	DV503-40E, 4xG1"M - design on request					10495
	DV503-60E, 4xG1"M - design on request					10496
	DV800 insulated heat exchangers					Code
	DV800-30E, 4xG2"M - design on request					10490
	DV800-50E - 4xG2"M - design on request					10491

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

Pressure drop values for heat exchangers and other technical data are available in data sheets at 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., which contains exact data and graphs to set H.E. performance for specific parametres.

Kits of plate heat exchangers with high-efficiency circulation pumps		Code
	Insulated DV193-30E plate heat exchanger + CS KK VYP W pump station (HE+pump+threaded fittings with shut-off ball valves+el. wall plug w. switch and LED)	13199
	Insulated DV193-45E plate heat exchanger + CS KK VYP W pump station (HE+pump+threaded fittings with shut-off ball valves+el. wall plug w. switch and LED)	13200
	Insulated DV285-30E plate heat exchanger + CS KK VYP W pump station (HE+pump+threaded fittings with shut-off ball valves+el. wall plug w. switch and LED)	13204
	Insulated DV285-45E plate heat exchanger + CS KK VYP W pump station (HE+pump+threaded fittings with shut-off ball valves+el. wall plug w. switch and LED)	13205
Kits for solar heating of tanks and thermal stores with no solar heat exchanger		
	with heating water pump	Code
	DV193-20E with CSE OTS ZV W pump station with Wilo Yonos Para 25/6 pump	15945
	DV193-30E with CSE OTS ZV W pump station with Wilo Yonos Para 25/6 pump	15946
	with drinking water pump	Code
	DV193-20E with CSE TV ZV G pump station with Grundfos UPM3 DHW pump	16065
	DV193-30E with CSE TV ZV G pump station with Grundfos UPM3 DHW pump	16066
	DV193-45E with CSE TV ZV G pump station with Grundfos UPM3 DHW pump	17148
	DV193-60E with CSE TV ZV G pump station with Grundfos UPM3 DHW pump	17149
Fresh Water Stations		Code
	CSE TV ZV G 1F Insulated Pump Station with UPM3 DHW pump, check valve, thermometer, intended for DHW circuits – for DHW recirculation or DHW heating via a heat exchanger.	15181

Nickel-plated G 6/4" electric heating elements with plastic thermostatic head, 1x230 V, longer non-heating end		
 ETT - M	» for power outlet, adjustable thermostat and two-pole temperature limiter, 3m 3-wire power cable with plug, suitable for heating/drinking water - Hot Water Heaters, Thermal Stores and DUO, HSK combi 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.	15166
	2.0 kW heating element with thermostatic head, 0-90 °C knob adjustable, length incl. thread 350 mm, non-heating end 180 mm long.	15167
	2.4 kW heating element with thermostatic head, 0-90 °C knob adjustable, length incl. thread 420 mm, non-heating end 180 mm long.	15168
	3.0 kW heating element with thermostatic head, 0-90 °C knob adjustable, length incl. thread 450 mm, non-heating end 180 mm long.	15169
Nickel-plated G 6/4" el. heating elements with plastic thermostatic head, 1x230 V, longer non-heating end, with a dedicated connector to plug in CSE SOL pump stations		
 ETT - N	» to be connected to a CSE SOL solar pump station, with a switch and a two-pole temperature limiter, 5m 3-wire power cable with connector, suitable for heating/drinking water - Hot Water Heaters, Thermal Stores and DUO, HSK combi thermal stores	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.	16942
	3.0 kW heating element with thermostatic head, 0-90 °C knob adjustable, length incl. thread 450 mm, non-heating end 180 mm long.	16943
Nickel-plated G 6/4" electric heating elements with metal thermostatic head, 1x230V		
 ETT - D	» no plug, 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, suitable for heating/drinking water - Hot Water Heaters and Thermal Stores	Code
	2 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 315 mm, 100 mm non-heating end	11783
	3 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 370 mm, 100 mm non-heating end	11784
Nickel-plated G 6/4" electric heating elements with metal thermostatic head, 1x230V or 3x230 V, longer non-heating end, for PV sources		
 ETT - F	» no plug, adjustable and a high-limit thermostats and a contactor, inputs for control by controller or Ripple control, 7-core power supply cable 2 m long, suitable for heating/drinking water - Hot Water Heaters, Thermal Stores and DUO, HSK combi thermal stores	Code
	3 kW Heating Element with thermostatic head, knob adjustable within 0-90 °C, length incl. thread 365 mm, 180 mm non-heating end. In either a single-phase or a 3-phase connection, it can be switched on by an external controller in 1-2-3 kW steps or its output continuously controlled by an SSR relay.	16250
	4.5 kW Heating Element with thermostatic head, knob adjustable within 0-90 °C, length incl. thread 463 mm, 180 mm non-heating end. In either a single-phase or a 3-phase connection, it can be switched on by an external controller in 1,5-3-4,5 kW steps or its output continuously controlled by an SSR relay.	12357

Copper G 6/4" electric heating elements with no surface finish, with thermostatic head, 3x230/400V, longer non-heating end

 <p>ETT - L</p>	» 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, suitable for heating water - Thermal Stores and DUO, HSK combi thermal stores	Code
	2 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 310 mm, 180 mm non-heating end	14994
	3 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 370 mm, 180 mm non-heating end	14995
	5 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 500 mm, 180 mm non-heating end	14996
	6 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 555 mm, 180 mm non-heating end	14997
	7.5 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 635 mm, 180 mm non-heating end	14998
	8.2 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 700 mm, 180 mm non-heating end	14999
	9 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 755 mm, 180 mm non-heating end	15000

Nickel-plated G 6/4" electric heating elements with metal thermostatic head, 3x230/400 V

 <p>ETT - G</p>	» 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, suitable for heating/drinking water - Hot Water Heaters and Thermal Stores	Code
	2 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 225 mm, 100 mm non-heating end	11787
	3 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 285 mm, 100 mm non-heating end	11788
	4.5 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 383 mm, 100 mm non-heating end	11789
	6 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 478 mm, 100 mm non-heating end	11216
	7.5 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 570 mm, 100 mm non-heating end	11215
	9 kW Electric heating element with thermostatic head, knob adjustable 0-90 °C, length incl. thread 665 mm, 100 mm non-heating end	11214

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.

Nickel-plated G 6/4" M electric heating elements, no thermostatic head, 3x 230 V/400 V		
 ETT - A	» suitable for heating/drinking water - for Hot Water Heaters and Thermal Stores	Code
	2 kW heating element, length incl. thread 245 mm, 100 mm non-heating end	8935
	3 kW heating element, length incl. thread 305 mm, 100 mm non-heating end	8936
	4.5 kW heating element, length incl. thread 370 mm, 100 mm non-heating end	8937
	6 kW heating element, length incl. thread 495 mm, 100 mm non-heating end	8938
	7.5 kW heating element, length incl. thread 585 mm, 100 mm non-heating end	8939
	9 kW heating element, length incl. thread 680 mm, 100 mm non-heating end	8940
	12 kW heating element, length incl. thread 815 mm, 100 mm non-heating end	8941
Copper G 6/4" M electric heating elements with no surface finish, no thermostatic head, 3x 230 V/400 V, longer non-heating end		
 ETT - C	» suitable for heating water - for Thermal Stores and DUO, HSK combi thermal stores	Code
	2 kW heating element, length incl. thread 310 mm, 180 mm non-heating end	14519
	3 kW heating element, length incl. thread 370 mm, 180 mm non-heating end	8902
	5 kW heating element, length incl. thread 500 mm, 180 mm non-heating end	14359
	6 kW heating element, length incl. thread 555 mm, 180 mm non-heating end	8897
	7.5 kW heating element, length incl. thread 635 mm, 180 mm non-heating end	9618
	8.2 kW heating element, length incl. thread 700 mm, 180 mm non-heating end	14501
	9 kW Heating element, length incl. thread 755 mm, 180 mm non-heating end	12272
12 kW Heating element, length incl. thread 955 mm, 180 mm non-heating end	12273	
Copper M 48x2 el. heating elements, with no surface finish, no thermostatic head, 3x 230 V/400 V, shorter non-heating end, for electric boilers		
 ETT - B	» suitable for heating water	Code
	2 kW heating element, length incl. thread 178 mm, 45 mm non-heating end	4973
	3 kW heating element, length incl. thread 240 mm, 45 mm non-heating end	4972
	4.5 kW heating element, length incl. thread 333 mm, 45 mm non-heating end	4971
	6 kW heating element, length incl. thread 428 mm, 45 mm non-heating end	4970
	7.5 kW heating element, length incl. thread 520 mm, 45 mm non-heating end	4969
	9.0 kW heating element, length incl. thread 615 mm, 45 mm non-heating end	16950

Copper 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.

**Stainless steel electric heating elements, G 1/2", 230V,
for bathroom towel radiators**

	» suitable for heating/drinking water	Code
	Z-ZT 200, 200 W radiator heating element, length 318 mm	11950
	Z-ZT 300, 300 W radiator heating element, length 395 mm	7145
	Z-ZT 400, 400 W radiator heating element, length 435 mm	7146
	Z-ZT 500, 500 W radiator heating element, length 535 mm	7585
	Z-ZT 600, 600 W radiator heating element, length 585 mm	7586
	Z-ZT 700, 700 W radiator heating element, length 685 mm	7587
	Z-ZT 800, 800 W radiator heating element, length 735 mm	7147
	Z-ZT 900, 900 W radiator heating element, length 835 mm	7148
	Z-ZT 1000, 1000 W radiator heating element, length 885 mm	7590
	Z-ZT 1200, 1200 W radiator heating element, length 1045 mm	7591
Z-ZT 1350, 1350 W radiator heating element, length 1135 mm	8402	

**Stainless steel el. heating elements, el. plug with VSV-W switch, G 1/2", 230V,
for bathroom towel radiators**

	» suitable for heating/drinking water	Code
	Z-ZTV 300, 300 W radiator heating element, length 395 mm, VSV-W	13426
	Z-ZTV 400, 400 W radiator heating element, length 435 mm, VSV-W	13427
	Z-ZTV 500, 500 W radiator heating element, length 535 mm, VSV-W	13428
	Z-ZTV 600, 600 W radiator heating element, length 585 mm, VSV-W	13429
	Z-ZTV 700, 700 W radiator heating element, length 685 mm, VSV-W	13430
	Z-ZTV 800, 800 W radiator heating element, length 735 mm, VSV-W	13431
	Z-ZTV 900, 900 W radiator heating element, length 835 mm, VSV-W	13432
	Z-ZTV 1000, 1000 W radiator heating element, length 885 mm, VSV-W	13433
	Z-ZTV 1200, 1200 W radiator heating element, length 1045 mm, VSV-W	13434
	Z-ZTV 1350, 1350 W radiator heating element, length 1135 mm, VSV-W	13435

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

	» suitable for heating/drinking water	Code
	Z-SKVT-T 300, 300 W radiator heating element, T-piece+thermostat with timer	8841
	Z-SKVT-T 400, 400 W radiator heating element, T-piece+thermostat with timer	8842
	Z-SKVT-T 500, 500 W radiator heating element, T-piece+thermostat with timer	8843
	Z-SKVT-T 600, 600 W radiator heating element, T-piece+thermostat with timer	8844
	Z-SKVT-T 700, 700 W radiator heating element, T-piece+thermostat with timer	8845
	Z-SKVT-T 800, 800 W radiator heating element, T-piece+thermostat with timer	8846
	Z-SKVT-T 900, 900 W radiator heating element, T-piece+thermostat with timer	8847
	Z-SKVT-T 1000, 1000 W radiator heating element, T-piece+thermostat with timer	8848
	Z-SKVT-T 1200, 1200 W radiator heating element, T-piece+thermostat with timer	8849
	Z-SKVT-T 1350, 1350 W radiator heating element, T-piece+ thermostat with timer	8850

Kits with a T-piece and TZ33 plug-in thermostat

	» suitable for heating/drinking water	Code
	Z-SKVT 300, 300 W radiator heating element, T-piece + thermostat	7573
	Z-SKVT 400, 400 W radiator heating element, T-piece + thermostat	7574
	Z-SKVT 500, 500 W radiator heating element, T-piece + thermostat	7575
	Z-SKVT 600, 600 W radiator heating element, T-piece + thermostat	7576
	Z-SKVT 700, 700 W radiator heating element, T-piece + thermostat	7577
	Z-SKVT 800, 800 W radiator heating element, T-piece + thermostat	7578
	Z-SKVT 900, 900 W radiator heating element, T-piece + thermostat	7579
	Z-SKVT 1000, 1000 W radiator heating element, T-piece + thermostat	7580
	Z-SKVT 1200, 1200 W radiator heating element, T-piece + thermostat	7581
	Z-SKVT 1350, 1350 W radiator heating element, T-piece + thermostat	8597

Stainless steel electric heating elements with integrated TNT thermostat with display and timer, G 1/2", 230V, for bathroom towel radiators		
	» suitable for heating/drinking water	Code
	TT-TNTW-300 300 W Heating element with white thermostat	11399
	TT-TNTW-400 400 W Heating element with white thermostat	11400
	TT-TNTW-500 500 W Heating element with white thermostat	11401
	TT-TNTW-600 600 W Heating element with white thermostat	11402
	TT-TNTW-700 700 W Heating element with white thermostat	11403
	TT-TNTW-800 800 W Heating element with white thermostat	11404
	TT-TNTW-900 900 W Heating element with white thermostat	11405
Uni schuko 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	11841
	VSV-S Uni schuko plug with switch, silver, IP20, 16A/250V	11840
Nickel-plated brass T-piece		Code
	1/2" T-piece, F/F/M, nickel-plated To connect el. heating element together with a heating circuit into a heated towel rail.	7926
Regulus plug-in thermostats		Code
	TZ33 - Regulus Plug-in thermostat with LCD display (thermometer) and LED. 5-35°C adjustable temperature, 16(3) A 230 V.	6295
	TZT63 - Regulus 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.	8269

Expansion vessels for heating systems		Code	
	5 l Expansion vessel, 6 bar, 3/4" M, 160 mm diam.	13731	
	8 l Expansion vessel, 6 bar, 3/4" M, 200 mm diam.	13732	
	12 l Expansion vessel, 6 bar, 3/4" M, 270 mm diam.	13734	
	18 l Expansion vessel, 6 bar, 3/4" M, 290 mm diam.	13735	
	25 l Expansion vessel, 6 bar, 3/4" M, 320 mm diam.	13736	
	40 l Expansion vessel, 6 bar, 3/4" M, 320 mm diam.	13737	
	35 l Expansion vessel, 6 bar, 3/4" M, 380 mm diam., legs	13738	
	50 l Expansion vessel, 6 bar, 3/4" M, 380 mm diam., legs, replac. membrane	13739	
	60 l Expansion vessel, 6 bar, 3/4" M, 380 mm diam., legs, replac. membrane	13740	
	80 l Expansion vessel, 6 bar, 1" M, 450 mm diam., legs, replac. membrane	13741	
	100 l Expansion vessel, 6 bar, 1" M, 450 mm diam., legs, replac. membrane	13742	
	150 l Expansion vessel, 6 bar, 6/4" M, 554 mm diam., legs, replac. membrane	13743	
	200 l Expansion vessel, 6 bar, 6/4" M, 554 mm diam., legs, replac. membrane	13744	
	250 l Expansion vessel, 6 bar, 6/4" M, 624 mm diam., legs, replac. membrane	13745	
	300 l Expansion vessel, 6 bar, 6/4" M, 630 mm diam., legs, replac. membrane	13746	
	400 l Expansion vessel, 6 bar, 6/4" M, 624 mm diam., legs, replac. membrane	13747	
	500 l Expansion vessel, 6 bar, 6/4" M, 775 mm diam., legs, replac. membrane	13748	
	600 l Expansion vessel, 6 bar, 6/4" M, 775 mm diam., legs, replac. membrane	x 13749	
	700 l Expansion vessel, 6 bar, 6/4" M, 775 mm diam., legs, replac. membrane	x 13750	
	Expansion vessels for solar thermal systems		Code
	 	12 l Expansion vessel, 8 bar, 3/4" M, 270 mm diam.	13720
18 l Expansion vessel, 8 bar, 3/4" M, 270 mm diam.		13721	
25 l Expansion vessel, 8 bar, 3/4" M, 290 mm diam.		13722	
40 l Expansion vessel, 8 bar, 3/4" M, 320 mm diam.		13723	
50 l Expansion vessel, 10 bar, 3/4" M, 320 mm diam., legs, replac. membrane		13724	
80 l Expansion vessel, 10 bar, 3/4" M, 450 mm diam., legs, replac. membrane		13725	
100 l Expansion vessel, 10 bar, 1" M, 750 mm diam., legs, replac. membrane		13726	
150 l Expansion vessel, 10 bar, 6/4" M, 554 mm diam., legs, replac. membrane		13727	
200 l Expansion vessel, 10 bar, 6/4" M, 554 mm diam., legs, replac. membrane		13728	
300 l Expansion vessel, 10 bar, 6/4" M, 624 mm diam., legs, replac. membrane		13729	
500 l Expansion vessel, 8 bar, 6/4" M, 780 mm diam., legs, replac. membrane	x 13730		
Expansion vessels for drinking water		Code	
 	0.16 l Exp. vessel for drinking water, 15 bar, 1/2" M, 65 mm diam.	13752	
	2 l Exp. vessel for drinking water, 10 bar, 1/2" M, 125 mm diam.	13753	
	5 l Exp. vessel for drinking water, 8 bar, 3/4" M, 160 mm diam	13754	
	8 l Exp. vessel for drinking water, 8 bar, 3/4" M, 200 mm diam	13755	
	12 l Exp. vessel for drinking water, 8 bar, 3/4" M, 270 mm diam	13756	
	18 l Exp. vessel for drinking water, 8 bar, 3/4" M, 270 mm diam	13757	
	25 l Exp. vessel for drinking water, 8 bar, 3/4" M, 290 mm diam	13758	
	40 l Exp. vessel for drinking water, 8 bar, 3/4" M, 320 mm diam	13759	
	60 l Exp. vessel for drink. water, 10 bar, 1" M, 380 mm diam., legs, replac. membrane	13760	
	80 l Exp. vessel for drink. water, 10 bar, 1" M, 450 mm diam., legs, replac. membrane	13761	
	100 l Exp. vessel for drink. water, 10 bar, 1" M, 450 mm diam., legs, replac. membrane	13762	
	200 l Exp. vessel for drink. water, 10 bar, 6/4" M, 554 mm diam., legs, replac. membrane	13763	
	300 l Exp. vessel for drink. water, 10 bar, 6/4" M, 624 mm diam., legs, replac. membrane	13764	
400 l Exp. vessel for drink. water, 10 bar, 6/4" M, 624 mm diam., legs, replac. membra	x 13765		

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Service valves and brackets for expansion vessels		Code
	3/4" Service Valve for expansion vessels connection and easy servicing	8770
	1" Service Valve for expansion vessel connection and easy servicing	12295
	6/4" Service Valve for expansion vessel connection and easy servicing	14492
	6/4"x1" F/M reducing adapter	14494
	Exp. vessel bracket for wall mount with connecting valve 3/4"	7766
	Exp. vessel bracket	12174
	Expansion vessel bracket, wall mounted, incl. screws and dowels	10046
	Expansion vessel bracket, wall mounted, incl. 3 bar safety valve, air vent valve, pressure gauge, screws and dowels (not assembled)	10095
	Stainless-steel connecting pipe 3/4" Fu - 0.5 m	9156

Electronic programmable room thermostats		Code
  	TP08 - Regulus 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.	6298
	TP44 - Regulus 7 days / 5+2 days / 24h – always max. 6 changes per day power supply 2x 1,5V (AAA) incl. in supply, contacts 6(2) A / 230 V	17173
	TP44 RF - Regulus programmable - 7 days / 5+2 days / 24h – always max. 6 changes per day power supply 2x 1,5V (AAA) incl. in supply, contacts 6(2) A / 230 V	17174
Electronic room thermostats and TZ plug-in thermostats		Code
      	TP18 - Regulus , LCD display (thermometer function), 5-35 °C adjustable temperature, 2 x 1.5 V (AAA), 5(3.5) A 24...230 V.	7355
	TP34 - Regulus LCD display, 5-35°C knob adjustable temperature power supply 2x 1,5V (AAA) incl. in supply, contacts 6(2) A / 230 V	17168
	TP34 RF - Regulus LCD display, 5-35°C knob adjustable temperature power supply 2x 1,5V (AAA) incl. in supply, contacts 6(2) A / 230 V	17169
	TP39 - Regulus , electronic LCD display (thermometer function), 5-35 °C knob adjustable temperature, 16(3) A 230 V.	6299
	TP69 - Regulus LCD display (thermometer), 5-35 °C key adjustable temperature, 16(3) A 230 V	11583
	TZ33 - Regulus , plug-in thermostat, LCD display (thermometer function), LED, 5-35 °C adjustable temperature, 16(3) A 230 V.	6295
	TZT63 - Regulus , plug-in thermostat, LCD display (thermometer function), LED. Manual timer for adjustable time period. 5-35 °C adjustable temperature, 16(3) A 230 V.	8269
Mechanical thermostats for current appliances (250 mA min. current)		Code
  	TP546DT Room thermostat, 230 V, basic version. Adjustable temperature 5-30 °C, switch-off contact 16(2.5) A max.	10945
	TP546LA Room thermostat, 230 V, with ON signal lamp. Adjustable temperature 5-30 °C, switch-off contact 16(2.5) A max.	10946
	TP546OL Room thermostat, 230 V, with ON signal lamp and switch. Adjustable temperature 5-30 °C, switch-off contact 16(2.5) A max.	10947
Mechanical thermostats for electronic circuits (300 mA max. current)		Code
	TP546GCDT Room thermostat, 24 and 230 V, basic version. Adjustable temperature 5-30 °C, switch-off contact 20-300 mA.	10948
Installation accessories for TP 546 room thermostats		Code
	Base frame for TP 546, on el. backbox	11076
	Temperature limiting clip for TP 546	11077

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REGULUS IR Smart Controller		
	IR 12 CTC for Heat Pumps	Code
	IR 12 CTC Smart Controller, Czech menu, designed to control CTC Heat Pumps, a solar system, HRV unit and two mixed heating circuits. Ethernet socket, SD card slot. The packing involves a power source, PWM Module, 8 GB card, 1 outdoor sensor, 2 temperature sensors for sheaths.	13196
	IR 12 CTC EN - English menu	15093
	 IR 12 FV1F CTC Smart Controller to control CTC Heat Pumps, upgraded with consumption control of electricity surplus produced by PV panels through an electric heating element and a heat pump. Incl. electricity meter for electricity surplus measurements and one SSR relay to control the output of el. heating elements.	16914
	IR 12 FV1F CTC EN - English menu	17218
	IR 12 FV3F CTC Smart Controller to control CTC Heat Pumps, upgraded with consumption control of electricity surplus produced by PV panels through an electric heating element and a heat pump. Incl. electricity meter for electricity surplus measurements and three SSR relays to control the output of el. heating elements.	16469
	IR 12 FV3F CTC EN - English menu	17219
IR 12 KRB for fireplaces and solid fuel boilers		Code
	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, 8 GB card, 1 outdoor sensor and 7 temperature sensors for sheaths.	13245
	IR 12 KRB EN - English menu	13316
IR 12 for larger boiler rooms with Opentherm interface fitted gas boilers		Code
	IR 12 THERM2 Smart controller for boiler rooms with 2 mixed heating circuits and DHW heating. Automatically generated boiler room log. A number of safety sensors can be connected. Safe boiler room operation.	12788
	IR 12 THERM2 SOL Smart controller for boiler rooms with 2 mixed heating circuits, DHW heating and solar thermal system. Automatically generated boiler room log. A number of safety sensors can be connected. Safe boiler room operation.	12789

Room Units and Temperature sensors for IR 12 Smart Controllers		Code
	RCD Room Unit, temperature sensor, control display	16888
	RC21 Room Unit, temperature sensor, temperature adjustment dial, comfort/setback/auto switch	11280
	Room Temperature Sensor - ABB Time design, white/white	16167
	Pt1000 Temperature sensor with 4 m cable, contact type	9789
	Pt1000 Temperature sensor with 2 m cable	9108
	Pt1000 with 4 m cable for consumer	9109
	Pipe Mounted Sensor Housing for Pt1000	14250
	Encased sheath mount thermostat with Pt1000 sensor and 2m cable (9108) - adj. 0-90 °C, limiter 100 °C fix	14105
	TA55 - Outdoor temperature sensor Pt1000 for IR 12, KRS 9 controllers	9110
	KA 12 - Surge protector for Pt1000 temperature sensors	9530
Modules for IR 12 smart controllers		Code
	UNI Module - universal extension module - 2 analog inputs, 2 relay outputs, 1x PWM or 0/10V, CIB	12419
	CH Module – extension by 1 mixed heating circuit (3 in-/outputs, CIB) for IR 12 CTC	17116
	0-10V Module - 0-10V conversion to a switched contact	12360
	OT Module - to connect boilers with OpenTherm protocol	10442
	PWM Module - transforms 0-10V to PWM	12860
	Connection Kit - Sentinel Kinetic + IR 12 CTC Controller	17459
	Transducer for IR Controller, for pulse flowmeter	17345
	CIB Bus Separator (for system with more mixed circuits)	11981
	Power Supply, 30 W output	16491

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Weather compensation controllers for heating systems		Code
	TRS3 Controller for 1 heating circuit. The controller has 4 inputs and 3 outputs. 1 outdoor sensor and 1 contact sensor enclosed.	9055
	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 unmixed circuit and a thermal store). 1 outdoor sensor, 1 contact sensor and 1 sheath sensor enclosed	9056
	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 a thermal store). 1 outdoor sensor, 1 contact sensor and 2 sheath sensors enclosed.	9057
	TRS6 K Controller for solid fuel boilers, hydronic fires and combinations of other heat sources. Selection from 14 hydraulic variants. Depending on the variant selected, for example the following can be controlled: solar thermal system, solid fuel boiler, 1 mixed and 1 unmixed circuit, DHW heating in a boiler, auxiliary heating of a thermal store etc. PWM control of circulation pumps. 1 outdoor sensor and 4 immersion sensors included.	16821
	Room Temperature Sensor - ABB Time design, white/white	16167
	RC21 Room Unit with temperature sensor, temperature dial and mode switch	9788
	RC CALEON Room Unit with temperature sensor, humidity sensor, touch screen, 4-lead connection to controller (only for TRS3 and TRS6 K)	17150
	Contact temperature sensor with 4 m cable, on pipe - Pt1000	9789
	Temperature sensor with 2 m cable, sheath type - Pt1000	9108
	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	10000
	UR3 TOP1.02 EN – 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	11607
Differential Controllers		Code
	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	14159

Thermometers		Code
	Contact thermometer with fixing spring, 0-120 °C, diam. 63 mm	3042
	Thermometer with sheath l=30, 3/8", rear conn., 0-120 °C, diam. 40 mm	10472
	Thermometer with sheath l=45, 1/2", rear conn., 0-120 °C, diam. 63 mm	10473
	Thermometer with sheath l=100, 1/2", rear conn., 0-120 °C, diam. 63 mm	14296
	Thermometer with sheath l=150, 1/2", rear conn., 0-120 °C, diam. 63 mm	10474
	Stem-type thermometer l=100, no sheath, rear conn., 0-500 °C, diam. 63 mm	10476
	Heat conducting paste, 2 g	6754
	Sheath for stem-type thermometers, 9,5x11,5-100 mm, 1/2"	11755
Thermomanometers		Code
	Thermomanometer 0-120 °C / 4 bar, 1/2", bottom conn., diam. 80 mm	10482
	Thermomanometer 0-120 °C / 4 bar, 1/2", rear conn., diam. 80 mm	10481
Pressure gauges		Code
	Pressure gauge, 4 bar, 1/4", bottom connection, diam. 50 mm	10170
	Pressure gauge, 6 bar, 1/4", bottom connection, diam. 50 mm	2126
	Pressure gauge, 4 bar, 1/4", rear connection, diam. 50 mm, no red needle	14487
	Pressure gauge, 4 bar, 1/4", rear connection, diam. 50 mm	2128
	Pressure gauge, 6 bar, 1/4", rear connection, diam. 50 mm	2129
	Pressure gauge, 2.5 bar, 1/4", bottom connection, diam. 63 mm	294
	Pressure gauge, 4 bar, 1/4", bottom connection, diam. 63 mm	2127
	Pressure gauge, 6 bar, 1/4", bottom connection, diam. 63 mm	3319
	Pressure gauge, 10 bar, 1/4", bottom connection, diam. 63 mm	3822
	Pressure gauge, 10 bar, 1/4", rear connection, diam. 63 mm	3357
	Pressure gauge, 4 bar, 1/4", rear connection, diam. 63 mm	5675
	Pressure gauge, 6 bar, 1/4", rear connection, diam. 63 mm	3409
	Reducer, 1/2" M x 1/4" F to install pressure gauge to 1/2" tank tapings	16169
T-piece, 1/2" F x 1/4" F x 1/2" M for pressure gauge and 1/2" sheath installation	16170	
Pressure gauges, diam. 100 mm, bottom connection		Code
	Pressure gauge, 2.5 bar, 1/2"	300
	Pressure gauge, 4 bar, 1/2"	2170
	Pressure gauge, 6 bar, 1/2"	3320
	Pressure gauge, 10 bar, 1/2"	3408

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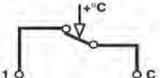
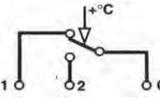
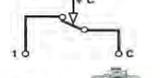
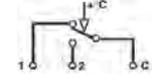
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Thermometers					Code	
	model	range	dimensions	capillary		
	110.10115.03A	0 - 120°C	Ø 57.5 mm	0,5 m	14702	
	110.10025.00A	0 - 120 °C	Ø 57.5 mm	1 m	172	
	110.10045.00A	0 - 120 °C	Ø 57.5 mm	2 m	1146	
	110.10125.00A	0 - 120 °C	Ø 57.5 mm	1 m	224	
	113.10126.00A	0 - 120 °C	Ø 42 mm	1 m	white	1148
	113.10127.00A	0 - 120 °C	Ø 42 mm	1 m	grey	1829
	113.10025.00A	0 - 120 °C	Ø 42 mm	1 m	black	14256
	130.10025.00A	0 - 120 °C	48x48 mm	1 m		120
	150.10125.00A	0 - 120 °C	31x64 mm	1 m		1181
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	6468	
	520.70125.00A	0-120°C; 0-4 bar	Ø 57.5 mm	1 m	11094	
	540.80125.00A	0-120 °C;0-6bar	42x78 mm	1 m	3643	
	540.71526.00A	0-120 °C;0-4 bar	42x78 mm	1 m	5190	
Pressure gauges					Code	
	3A13.70127.50A	0-4 bar	Ø 42 mm	1 m	9463	
	323.70126.22A	0-4 bar	Ø 42 mm	1 m	3423	
	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	
Manostats					Code	
	GW 50A6	Gas manostat, 5-50 mbar			1004	
		Terminal for GW manostats series A6			1005	
	LGW 3A1	Air manostat, fixed 0.4 mbar			478	
	LGW 3A2	Air manostat, 0.4-3 mbar			777	

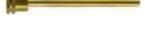
Encased thermostats		Code
	BB1-1000 Adjustable contact thermostat, higher sensit., 10-90 °C, heat cond. paste	10811
	TS5310.54 Adjustable contact thermostat, standard sensitivity, 17-90 °C	10746
	TS5310.55 Adjustable contact thermostat, higher sensit., 17-90 °C, screwdr.adj.	10836
	TS9510.52 Adjustable immersion thermostat, 0-90 °C, sensor 6.5x100 mm	10781
	TPS1-1000 Adjustable immersion thermostat, 0-90 °C, sensor 5.8x100 mm	13620
	TS9520.55 Adjustable capillary thermostat, 0-60 °C, 1.5 m capillary, sensor 6.5x73 mm	10750
	TS9520.54 Adjustable capillary thermostat, 0-90 °C, 1.5 m capillary, IP 40	10772
	TS9520.53R Adjustable capillary thermostat, 0-300°C, 2 m capillary INOX, IP 40	11514
	TS9520.56 Adjustable capillary thermostat, -35/+35 °C, 1.5 m capillary	11279
	TS95H10.58 Immersion limiter, 100 °C, 2 contacts	10803
	TS9530.52 Double encased immersion thermostat, 0-60/30-120 °C	10782
	TS95H30.63 Encased adjustable immersion thermostat, 0-90 °C, limit fix 100 °C, sensors 6.5x100 mm	10771
	TS95H30.63/ Pt1000 Encased immersion therm., adj. 0-90 °C, limit. 100 °C fix with Pt1000 sensor w. 4 m cable	14105
	TS9501.54 Room thermostat, stainless-steel sensor, -35/+35 °C, IP 55	10804
	Heat conducting paste, 2 g	6754
Danfoss encased thermostats		Code
	KP78 Encased thermostat, 30-90 °C temperature range, 5-15 °C difference, 2 m capillary, IP 30	060L118466 12274

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Adjustable thermostats, liquid filled						Code
  	model	range	adjustment	capillary	contacts	
	95A040R21	0 - 40 °C	knob	1 m	SPST	10925
	95B040R07	0 - 40 °C	knob	1.5 m	SPDT	11225
	95B090R27	0 - 90 °C	knob	2 m	SPDT	11020
	95B090R25	0 - 90 °C	knob	1 m	SPDT	10922
	95B090R23	0-90 °C	knob	0.6 m	SPDT	10739
	95A090R20	0 - 90 °C	knob	1 m	SPST	10924
	95B120R09	0 - 120 °C	knob	1 m	SPDT	10735
	95B120R10	0 - 120 °C	knob	1.5 m	SPDT	10933
	95B210R01	0 - 210 °C	knob	1 m	SPDT	11040
	95B286I02	-25 to 275 °C	knob	1.5 m inox	SPDT	10734
	95B300I05	0 - 300 °C	knob	2 m inox	SPDT	10934
	95A095R01	50 - 95 °C (ATMOS)	knob	1 m	SPST	10736
	95B090R24	0 - 90 °C	screwdr.	1 m	SPDT	10940
	95A090R22	0 - 90 °C	screwdr.	1 m	SPST	11078
	95B090R26	0 - 90 °C	screwdr.	1.5 m	SPDT	10780
	95A090R21	90 °C	fixed	1 m	SPST	10882
	5285-0-204-3	2 levels, 39-78 °C, 46-85 °C	knob	1 m	SPDT	4462
	95A085R03	OFF - 85 °C	knob	1 m	SPST	10926
95A070R06	30-70 °C gold-plated contacts	screwdr.	1 m	SPST	10737	
721.3328.00A	40 - 90 °C (2+-1 °C)	knob	1 m	SPDT	3391	
High limit thermostats, adjustable						Code
     	model	range	reset	capillary	contacts	
	95H110R10	90 - 110 °C	manual	1 m	SPST	10923
	962.11228.00A	90 - 110 °C	automatic	1 m	SPST	823
	95H060R01	40 - 60 °C	manual	1 m	SPDT	11074
	95H090R02	63 - 90 °C	manual	1,5 m	SPDT	10745
	95H110R12	90 - 110 °C	manual	1 m	SPDT	11159
	95H110R09	90 - 110 °C	manual	1,5 m	SPDT	10740
95H110R13	90-110 °C gold pl.contacts	manual	1 m	SPDT	11088	
High limit thermostats, fixed temperature						Code
 	model	range	reset	capillary	contacts	
	974.99228.01A	100 °C gold pl.contacts	automatic	1 m	SPST	1094
	95H120R01	120 °C	manual	1 m	SPST	10973
	95H140R01	140 °C gold pl.contacts	manual	1 m	SPDT	11153
95H099R01	99 °C	manual	0.55 m	SPDT	10743	

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.

Accessories to thermostats		Code
	Convex knob, black, 0-40 °C	1145
	Convex knob, black, 0-90 °C	1472
	Convex knob, black, 0-120 °C	1404
	Convex knob, black, 0-210 °C	2164
	Convex knob, black, limit mark	683
	Convex knob, black, symbolic, TG	752
	Convex knob, white, 1-5	681
	Convex knob, white, 0-90 °C	1830
	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
Accessories to thermostats		Code
	Single sheath, 7x9x100 mm - nickel plated, 1/2"	9078
	Single sheath, 7x9x45 mm, 1/2", brass	14879
	Single sheath, 7x9x60 mm, 1/2", brass	15746
	Single sheath, 7x9x100 mm, 1/2", brass	14880
	Single sheath, 7x9x120 mm, 1/2", brass	15745
	Single sheath, 7x9x160 mm, 1/2", brass	16590
	Single sheath, 7x9x180 mm, 1/2", brass	16591
	Single sheath, 7x9 x 200 mm, 1/2", brass	14881
	Sheath for 3 sensors, 13.5x16x100 mm, 1/2", brass	15744
	Sheath for 3 sensors, 13.5x16x130 mm, 1/2", brass	16592
	Sheath for 3 sensors, 13.5x16x230 mm, 1/2", brass	15743
	Sheath for 4 sensors, 15x17x120 mm, 1/2", brass	14882
	Spring to replace sensor in sheath 14882	9185
	Curly spring to fix sensor in sheath (for sheath for 3 or 4 sensors)	1497
	Capillary spring, small, 1/2", stainless steel	10845
	Capillary spring, small, 1/2", stainless steel, 100 pcs	13563
	Capillary spring, big, 3/4", stainless steel	13557

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Flow switches		Code
	Flow switch FP204-1, 3/4" M, 400 l/h, microswitch with silver contacts	381
	Flow switch FP204-2, 3/4" M, 400 l/h, microswitch with gold-plated contacts	13552
	Flow switch FP214-1, 3/4"x1" M/Fu, 400 l/h, microswitch with silver contacts	382
	Flow switch FP214-2, 3/4"x1" M/Fu, 400 l/h, microswitch with gold-plated contacts	13553
	Flow switch FP224-1, 1"x3/4" Fu/M, 400 l/h, microswitch with silver contacts	383
	Flow switch FP224-2, 1"x3/4" Fu/M, 400 l/h, microswitch with gold-plated contacts	4247
	Flow switch FP25-1, 6/4" M, 700 l/h, microswitch	14843
	Flow switch FP25-2, 6/4" M, 700 l/h, microswitch with gold-plated contacts	14844

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

Pressure switches		Code	
	Pressure switch - closes at 0.7 bar fixed, 1/4" M fitting, gold-plated contacts, 60V070A01	10927	
	Pressure switch - closes at 0.4 bar fixed, 1/4" M	7831	
	Pressure switch - closes at 0.5 bar fixed, 1/8" M	11418	
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, 1/4" M	060-121766	12275
	KPI 35 Pressure switch, -0.2 to 8 bar range, 0.5 to 2 bar difference, 1/4" M	060-121966	12277
	IP55 Cover for KP, KPI thermostats and pressure switches, to increase IP protection from IP30 to IP55	060-062866	12279

Draft Regulators for solid-fuel boilers		Code
	RT4 - 3/4" Thermostatic draft regulator	13878
	RT4 L - 3/4" Thermostatic draft regulator with longer lever	14743
	RT4 S - 3/4" Thermostatic draft regulator with 90 degree bend lever, 313 mm	14716
	RT4 T - 3/4" Thermostatic draft regulator for boilers with higher casing	14138
Draft Regulators for solid-fuel boilers, electric controlled		Code
	RT3-E Draft regulator, electric controlled	7191
	RT3-E with TP546DT room thermostat	9139
	RT3-E with TP44 weekly room thermostat	9138
Spare parts for Draft Regulators		Code
	Spare knob and piston kit for RT3	8217
	Knob for RT4	13876
	Thermostatic element for RT	5881

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Regulus Two-way Thermal Safety Relief Valves		Code
	DBV2 Insulated Insulated Thermal Safety Relief Valve with 2 independent thermostatic elements – meets the requirements of EN 303-5:2012. Thermostatic elements' sensors are placed in heating water. Connection to a boiler, cooling water and sewer with 3/4" M, 97 °C ± 2 °C opening temperature	16627
	DBV2 Insulated, in 6/4" F T-piece	16863
	DBV1 Insulated Insulated Thermal Relief Valve for solid fuel boilers without a cooling heat exchanger, thermostatic element sensor immersed in heating water, connection to boiler, cooling water and sewer with 3/4" M, 97 °C ± 2 °C opening temperature	16912
	DBV1 Insulated, in 6/4" F T-piece	16913
Regulus One-way Thermal Relief Valves		Code
	JBV1 One-way Thermal Relief Valve for solid fuel boilers with a cooling 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	8877

Thermal Safety Relief Valves for solid fuel boilers, EN 303-5:2012 compliant		Opening temperature	Code
	BVTS Thermal Safety Relief Valve, nickel-plated 3/4\"F 1.3 m fixed capillary, 140 mm sheath, 1/2\" M	97 °C	14713
		95 °C	14477
	BVTS Thermal Safety Relief Valve 3/4\"F, 1.3 m fixed capillary, 140 mm sheath, 1/2\" M	97 °C	14480
		108 °C	14483
		70 °C	14476
		65 °C	14475
		55 °C	14474
	BVTS Thermal Safety Relief Valve 3/4\"F, 1.3 m detachable capillary, 140 mm sheath, 1/2\" M	50 °C	14473
		95 °C	14479
		100 °C	14481
	BVTS Thermal Safety Relief Valve 3/4\"F, 4 m fixed capillary, 140 mm sheath, 1/2\" M	95 °C	14478

BVTS valves are made upon order also with extended sheath.

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Load Valves in brass, for solid fuel boilers with automatic bypass balancing		Opening temperature	Code
	TSV3B - DN 25, connections 3x 1" F, $K_{vs} = 6.2 \text{ m}^3/\text{h}$	45 °C	11282
		50 °C	15517
		55 °C	11281
		60 °C	15518
		65 °C	10080
		70 °C	15519
	TSV3BF - DN 25, connections 2x 1" F and 6/4" Fu nut, coupler for circulation pump 6/4" F x 1" F + 2 gaskets, $K_{vs} = 6.2 \text{ m}^3/\text{h}$	45 °C	13095
		50 °C	15939
		55 °C	13096
		60 °C	15940
		65 °C	13097
		70 °C	15941
	TSV5B - DN 32, connections 3x 5/4" F, $K_{vs} = 7.0 \text{ m}^3/\text{h}$	45 °C	11806
		50 °C	15520
		55 °C	11807
		60 °C	15521
		65 °C	11808
		70 °C	15522
	TSV6B - DN 40, connections 3x 6/4" F, $K_{vs} = 13.3 \text{ m}^3/\text{h}$	45 °C	12974
		55 °C	12975
		65 °C	12976
	TSV8B - DN 50, connections 3x 2" F, $K_{vs} = 15.8 \text{ m}^3/\text{h}$	45 °C	12977
		55 °C	12978
		65 °C	12979
Special models of TSV valves with outer threads			Code
	TSV3BM - DN 25, connections 3x 1" M, $K_{vs} = 9.8 \text{ m}^3/\text{h}$	45 °C	13977
		55 °C	13978
		65 °C	13979
	TSV3BMF - DN 25, connections 2x 1" M and 1" Fu nut, $K_{vs} = 8.6 \text{ m}^3/\text{h}$	45 °C	13980
		55 °C	13981
		65 °C	13982

Load Valves for control of boiler return line temperature, manual bypass balancing		Opening temperature	Code
	TSV3 - for ATMOS boilers - DN 25, connections 3x 1" F, $K_{vs} = 6.2 \text{ m}^3/\text{h}$	65 °C	10347
		72 °C	16029
		77 °C	10742
	TSV5 - for ATMOS boilers - DN 32, connections 3x 5/4" F, $K_{vs} = 7.0 \text{ m}^3/\text{h}$	65 °C	11804
		72 °C	15533
		77 °C	11836
	TSV6 - for ATMOS boilers - DN 40, connections 3x 6/4" F, $K_{vs} = 13.3 \text{ m}^3/\text{h}$	65 °C	11821
		72 °C	16060
	TSV8 - for ATMOS boilers - DN 50, connections 3x 2" F, $K_{vs} = 15.8 \text{ m}^3/\text{h}$	65 °C	11819
		72 °C	16061
Thermal Insulation for Thermostatic Valves			Code
	Thermal insulation for TSV3B thermostatic valve		14979
	Thermal insulation for TSV5B thermostatic valve		14980
	Thermal insulation for TSV6B thermostatic valve		11874
	Thermal insulation for TSV8B thermostatic valve		11875
Thermostatic Elements – spare parts for TSV B valves			Code
	VB24 Thermostatic element with cone for TSV3B, 5B valves, 45 °C		12102
	VB24 Thermostatic element with cone for TSV3B, 5B valves, 50 °C		16095
	VB24 Thermostatic element with cone for TSV3B, 5B valves, 55 °C		12101
	VB24 Thermostatic element with cone for TSV3B, 5B valves, 60 °C		16096
	VB24 Thermostatic element with cone for TSV3B, 5B valves, 65 °C		12100
	VB24 Thermostatic element with cone for TSV3B, 5B valves, 70 °C		16097
	VB35 Thermostatic element with cone for TSV6B, 8B valves, 45 °C		13193
	VB35 Thermostatic element with cone for TSV6B, 8B valves, 55 °C		13194
	VB35 Thermostatic element with cone for TSV6B, 8B valves, 65 °C		13195
Thermostatic Elements – spare parts for TSV valves			Code
	VB24 Thermostatic element for TSV3, 5 valves, 65 °C		16198
	VB24 Thermostatic element for TSV3, 5 valves, 72 °C		16098
	VB35 Thermostatic element for TSV6, 8 valves, 65 °C		16199
	V35 Thermostatic element for TSV6, 8 valves, 72 °C		16200

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Load Units with AUTOMATIC bypass balancing, 1"		Opening temperature	Code
 <p>REGOMAT E G - DN 25, connections 3x 1" F, TSV3B valve, Grundfos UPM3 25-70 pump, thermometer, ball shut-off valve for pump</p>		45 °C	14925
		50 °C	15910
		55 °C	14926
		60 °C	15911
		65 °C	14927
		70 °C	15912
 <p>REGOMAT E W - DN 25, connections 3x 1" F, TSV3B valve, Wilo YP 25/6 pump, thermometer, ball shut-off valve for pump</p>		45 °C	15867
		50 °C	15904
		55 °C	15868
		60 °C	15905
		65 °C	15869
 <p>REGOMAT E W PWM - DN 25, connections 3x 1" F, TSV3B valve, Wilo YP 25/7.5-PWM1 pump, thermometer, ball shut-off valve for pump</p>		55 °C	17277
		65 °C	17278
 <p>REGOMAT E G + STDC E Controller Kit</p>		55 °C	17466
		65 °C	17468
 <p>REGOMAT E W PWM + STDC E Controller Kit</p>		55 °C	17467
		65 °C	17469
Load Units with AUTOMATIC bypass balancing, 5/4"		Opening temperature	Code
 <p>REGOMAT E G 5/4 - DN 32, connections 3x 5/4" F, TSV5B valve, Grundfos UPM3 25-75 pump, thermometer</p>		45 °C	16393
		50 °C	16394
		55 °C	16395
		60 °C	16396
		65 °C	16397
		70 °C	16398
 <p>REGOMAT E W 5/4 - DN 32, connections 3x 5/4" F, TSV5B valve, Wilo YP 25/7.5 pump, thermometer</p>		45 °C	15789
		50 °C	15913
		55 °C	15790
		60 °C	15914
		65 °C	15791
	70 °C	15915	
 <p>REGOMAT E W 5/4 PWM - DN 32, connections 3x 5/4" F, TSV5B valve, Wilo YP 25/7.5-PWM1 pump, thermometer</p>		55 °C	17279
		65 °C	17280
Uninsulated Load Units with automatic bypass balancing		Opening temperature	Code
 <p>REGOMAT G - DN 25, connections 3x 1" F, TSV3B valve, Grundfos UPM3 25-70 pump</p>		45 °C	16380
		55 °C	16381
		65 °C	16382
 <p>REGOMAT W - DN 25, connections 3x 1" F, TSV3B valve, Wilo YP 25/6 pump</p>		45 °C	12943
		55 °C	12944
		65 °C	12945

Load Units with MANUAL bypass balancing, 1"		Opening temperature	Code
	REGOMAT EA G - for ATMOS boilers - DN 25, connections 3x 1" F, TSV3 valve, Grundfos UPM3 25-70 pump, thermometer, ball shut-off valve for pump	65 °C	16383
		72 °C	16384
	REGOMAT EA W - for ATMOS boilers - DN 25, connections 3x 1" F, TSV3 valve, Wilo YP 25/6 pump, thermometer, ball shut-off valve for pump	65 °C	16036
		72 °C	16031
Load Units with MANUAL bypass balancing, 5/4"		Opening temperature	Code
	REGOMAT EA G 5/4 - for ATMOS boilers - DN 32, connections 3x 5/4" F, TSV5 valve, Grundfos UPM3 25-75 pump, thermometer	65 °C	16399
		72 °C	16400
	REGOMAT EA W 5/4 - for ATMOS boilers - DN 32, connections 3x 5/4" F, TSV5 valve, Wilo YP 25/7.5 pump, thermometer	65 °C	16037
		72 °C	16032
Accessories for Regomat Load Units		Connection	Code
	Bypass with float check valve for REGOMAT Load Units	1"	16126
		5/4"	16139
Load Units with float check valve		Opening temperature	Code
	THERMOMAT connections 3x 5/4" F, thermost. element, Grundfos UPM3 pump (delivery head 7 m), thermometer, check valve, ball shut-off valves	55 °C	15046
		65 °C	15047
		72 °C	16244
Thermostatic Elements – spare parts for LK810 ThermoMat			Code
	Thermostatic element for LK810 55 °C Pump Station		15080
	Thermostatic element for LK810 60 °C Pump Station		15081
	Thermostatic element for LK810 65 °C Pump Station		15082
	Thermostatic element for LK810 72 °C Pump Station		16240

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Load and Heating Combi Units for an easy connection of a boiler, heating system, thermal store, HW storage tank and an expansion vessel			
	for systems without thermal store	Pump	Code
	CSE TSV55 Insulated Load and Heating Combi Unit - pumps, TSV3B 55°C load valve, ball valves, thermometers, drain valves, connections 1" F.	Grundfos UPM3 25-75	17502
Wilo YP 25/1-6		17503	
	for systems with thermal store	Pump	Code
	CSE TSV55 MIX Insulated Load and Heating Combi Unit - 3-way mixing valve w. actuator ($K_{vs}=6.3.m^3/h$), pumps, TSV3B 55°C load valve, ball valves, thermometers, drain valves, connections 1" F.	Grundfos UPM3 25-75	17553
Wilo YP 25/1-6		17554	
	for systems without thermal store, with integrated controller	Pump	Code
	CSE TSV55 TRS6 K Insulated Load and Heating Combi Unit - controller, pumps, TSV3B 55°C load valve, ball valves, thermometers, drain valves, connections 1" F.	Grundfos UPM3 25-75	17500
Wilo Para 25/8 iPWM1		17501	
	for system with thermal store, with integrated controller	Pump	Code
	CSE TSV55 MIX TRS6 K Insulated Load and Heating Combi Unit - controller, 3-way mixing valve w. actuator ($K_{vs}=6.3.m^3/h$), pumps, TSV3B 55°C load valve, ball valves, thermometers, drain valves, connections 1" F.	Grundfos UPM3 25-75	17497
Wilo Para 25/8 iPWM1		17499	

Compact Backup Power Supplies for circulation pumps in solid-fuel boilers		
	» <i>with integrated batteries, output in the form of a modified sine wave</i>	Code
	PG 500 Backup Power Supply with integrated batteries, 18 Ah capacity 600 W max. inverter output	16214
Backup Power Supplies with external battery for circulation pumps and boiler-room controllers		
 	» <i>with LCD display, output in the form of a smooth sine wave, special maintenance-free battery for backup power supplies</i>	Code
	PG 600 S Backup Power Supply with 18 Ah battery 600 W max. inverter output	17135
	PG 600 S Backup Power Supply with 44 Ah battery 600 W max. inverter output	17136
	PG600 S Backup Power Supply with 100 Ah battery 600 W max. inverter output	17137
Backup Power Supplies for circulation pumps in solid-fuel boilers		
	» <i>output in the form of a modified sine wave, special maintenance-free battery for backup power supplies</i>	Code
	PG 500 Backup Power Supply with 18 Ah battery 200 W max. inverter output	12505
	PG 500 Backup Power Supply with 44 Ah battery 200 W max. inverter output	9140

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Pump Stations for unmixed heating circuits		
	with UPM3 high efficiency pump	Code
	CSE OTS G Insulated Pump Station with Grundfos UMP3 25-70 high-efficiency pump, 2 ball valves and thermometer. 1" F connection.	15325
	CSE OTS ZV G Insulated Pump Station with Grundfos UMP3 25-70 high-efficiency pump, 2 ball valves, check valve and thermometer. 1" F connection.	15042
	with Wilo Yonos Para high efficiency pump	Code
	CSE OTS W Insulated Pump Station with Wilo YP 25/6 high-efficiency pump, 2 ball valves and thermometer. 1" F connection.	15782
	CSE OTS ZV W Insulated Pump Station with Wilo YP 25/6 high-efficiency pump, 2 ball valves, check valve and thermometer. 1" F connection.	15892
	with Wilo Yonos Para high efficiency pump	Code
	CSE OTS ZV W PWM Insulated Pump Station with Wilo YP 25/7,5- PWM high-efficiency pump, 2 ball valves, check valve and thermometer. 1" F connection.	17284
	with Wilo Yonos Para high efficiency pump	Code
	CS KK W Wilo Yonos Para 25/1-6 - 180 - 6/4" Pump, 230 V, threaded fittings with shut-off ball valves	15477
	CS KK VYP W Wilo Yonos Para 25/1-6 - 180 - 6/4" Pump, 230 V, threaded fittings with shut-off ball valves, el. wall plug w. switch and LED	16795

CSE MIX Pump Stations for mixed heating circuits with 230V actuator, 3-point control		
	with Grundfos UPM3 high efficiency pump, with inner thread	Code
	CSE MIX G 1F - 7 m delivery head, $K_{vs} = 10 \text{ m}^3/\text{h}$, connection 3 x 1" F	16401
	CSE MIX G 5/4F - 7.5 m delivery head, $K_{vs} = 16 \text{ m}^3/\text{h}$, connection 3 x 5/4" F	16402
	with Grundfos UPM3 high efficiency pump, with outer thread	Code
	CSE MIX G 1M - 7 m delivery head, $K_{vs} = 6.3 \text{ m}^3/\text{h}$, connection 2 x 1" M and 1 x 1" F	15208
	CSE MIX G 5/4M - 7.5 m delivery head, $K_{vs} = 12 \text{ m}^3/\text{h}$, connection 2 x 5/4" M and 1 x 5/4" F	16847
	with Wilo Yonos Para high efficiency pump, with inner thread	Code
	CSE MIX W 1F - 6.2 m delivery head, $K_{vs} = 10 \text{ m}^3/\text{h}$, connection 3 x 1" F	16219
	CSE MIX W 5/4F - 7.6 m delivery head, $K_{vs} = 16 \text{ m}^3/\text{h}$, connection 3 x 5/4" F	16215
	with Wilo Yonos Para high efficiency pump, with outer thread	Code
	CSE MIX W 1M - 6.2 m delivery head, $K_{vs} = 6.3 \text{ m}^3/\text{h}$, connection 2 x 1" M and 1 x 1" F	16082
	CSE MIX W 5/4M - 7.6 m delivery head, $K_{vs} = 12 \text{ m}^3/\text{h}$, connection 2 x 5/4" M, 1 x 5/4" F	16848
	with Wilo Yonos Para PWM high efficiency pump, with inner thread	Code
	CSE MIX W PWM 1F - 6.2 m delivery head, $K_{vs} = 10 \text{ m}^3/\text{h}$, connection 3 x 1" F	17281
CSE MIX W PWM 5/4F - 7.6 m delivery head, $K_{vs} = 16 \text{ m}^3/\text{h}$, connection 3 x 5/4" F	17282	
CSE MIX FIX Pump Stations for heating circuits mixed to a fixed temperature		
	with Grundfos UPM3 high efficiency pump, with inner thread	Code
	CSE MIX FIX G 1F - 7 m delivery head, $K_{vs} = 10 \text{ m}^3/\text{h}$, connection 3 x 1" F	16403
	CSE MIX FIX G 5/4F - 7.5 m delivery head, $K_{vs} = 16 \text{ m}^3/\text{h}$, connection 3 x 5/4" F	16404
	with Grundfos UPM3 high efficiency pump, with outer thread	Code
	CSE MIX FIX G 1M - 7 m delivery head, $K_{vs} = 6.3 \text{ m}^3/\text{h}$, connection 2 x 1" M and 1 x 1" F	15333
	CSE MIX FIX G 5/4M - 7.5 m delivery head, $K_{vs} = 12 \text{ m}^3/\text{h}$, connection 2 x 5/4" M and 1 x 5/4" F	16844
	with Wilo Yonos Para high efficiency pump, with inner thread	Code
	CSE MIX FIX W 1F - 6.2 m delivery head, $K_{vs} = 10 \text{ m}^3/\text{h}$, connection 3 x 1" F	16220
	CSE MIX FIX W 5/4F - 7.6 m delivery head, $K_{vs} = 16 \text{ m}^3/\text{h}$, connection 3 x 5/4" F	16216
	with Wilo Yonos Para high efficiency pump, with outer thread	Code
	CSE MIX FIX W 1M - 6.2 m delivery head, $K_{vs} = 6.3 \text{ m}^3/\text{h}$, connection 2 x 1" M and 1 x 1" F	16083
	CSE MIX FIX W 5/4M - 7.6 m delivery head, $K_{vs} = 12 \text{ m}^3/\text{h}$, connection 2 x 5/4" M and 1 x 5/4" F	16846
	Accessories	Code
		Kit of a T-piece, 2 threaded fittings, 1 ball valve, for easy connection of CSE MIX 1" M pump stations to Regulus heating circuit manifolds
T-piece, 1" M/Fu/M, 125 mm pitch, incl. gasket - for easy connection of CSE MIX 1" M pump stations to Regulus heating circuit manifolds		16659
T-piece, 1" M/Fu/M, 90 mm pitch, incl. gasket - for easy connection of return line to mixing valve in CSE MIX 1" M pump station		16660
Coupler for valve, 1" Fu/F (union nut x F), incl. gasket		15694

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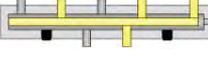
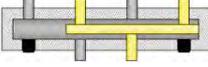
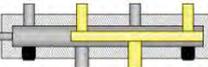
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Twin-line Pump Stations for unmixed heating circuits		Code	
	M2 UPM3 Pump station, 1", Grundfos UPM3 25-70 high-efficiency circulation pump. Pipe distance 125 mm. Typical use: for unmixed heating circuits with or without thermostatic valves.	14156	
	M2 Pump station, 1", WILO Yonos Para 25/1-6 high-efficiency circulation pump. Pipe distance 125 mm. Typical use: for unmixed heating circuits with or without thermostatic valves.	12105	
Twin-line Pump Stations for mixed heating circuits		Actuator	Code
	M2 MIX 3 UPM3 Pump station, 1", Mixing valve ($K_{vs} = 6 \text{ m}^3/\text{h}$), Grundfos UPM3 25-70 high-efficiency circulation pump. Pipe distance 125 mm. Typical use: for mixed heating circuits.	3-point control	14158
		without actuator	14157
	M2 MIX 3 Pump station, 1", Mixing valve ($K_{vs} = 6 \text{ m}^3/\text{h}$), WILO Yonos Para 25/1-6 high-efficiency circulation pump. Pipe distance 125 mm. Typical use: for mixed heating circuits.	3-point control	12106
		control to fixed temperature	14110
		24 V, 0-10 V control	14341
Accessories		Code	
	Wall mount bracket for M2 or M3 pump station, without distributor	11900	
Regulus Pump Stations for large boiler rooms		Code	
	CS MIX W 5/4F Pump Station, 5/4" F, Yonos MAXO pump (max. head 10,7 m), 3-way mixing valve ($K_{vs} = 16 \text{ m}^3/\text{h}$) with actuator w. 3-point control, ball valves. Pipe distance 125 mm. Intended for 5/4" manifolds.	17267	
Twin-line Pump Stations for unmixed heating circuits		Pump	Code
	CSE 2 F Insulated pump station - pump, strainer with mesh and magnet, ball valves, thermometers, connection fittings for a manifold. Connections 1" F, pipe distance 125 mm. Available in the second half of the year. Possible variants upon order - connections: 3/4", 5/4", Cu22, Cu28.	Grundfos UPM3 25-75	17487
		Wilo Yonos Para 25/1-6	17486
		Wilo Para 25/8 iPWM1	17485
Twin-line Pump Stations for mixed heating circuits		Pump	Code
	CSE 2 MIX F Insulated pump station - 3-way mixing valve w. actuator ($K_{vs}=6.3.\text{m}^3/\text{h}$), pump, strainer with mesh and magnet, ball valves, thermometers, connection fittings for a manifold. Connections 1" F, pipe distance 125 mm. Available in the second half of the year. Possible variants upon order - connections: 3/4", 5/4", Cu22, Cu28.	Grundfos UPM3 25-75	17484
		Wilo Yonos Para 25/1-6	17483
		Wilo Para 25/8 iPWM1	17482
Accessories		Code	
	Set of 2 pcs of ball valves for CSE 2 Pump Station	17562	

Manifolds for heating systems		Code
	Manifold/collector - two 1" heating circuits with outlet for safety assembly, thermal insulation, 3/4" side port, max. flowrate 2 m ³ /h, pipe distance 125 mm	9186
	Manifold/collector - three 1" heating circuits with outlet for safety assembly, thermal insulation, 3/4" side port, max. flowrate 2 m ³ /h, pipe distance 125 mm	9187
	Insulated safety assembly - 0-4 bar manometer, 3 bar air vent and safety valve	9797
	Manifold/collector - two 1" heating circuits with insulation, max. flowrate 2 m ³ /h, pipe distance	9507
	Manifold/collector - three 1" heating circuits with insulation, max. flowrate 2 m ³ /h, pipe distance	9508
	Manifold/collector - four 1" heating circuits, 5/4" for heat source, 3/4" side outlet, insulation, max. flowrate 3 m ³ /h, pipe distance 125 mm	9509
	Manifold/collector - five 1" heating circuits, 5/4" for heat source, 3/4" side outlet, thermal insulation, max. flowrate 3 m ³ /h, pipe distance 125 mm	9510
	Manifold/collector - six 1" heating circuits, 5/4" for heat source, 3/4" side outlet, thermal insulation, max. flowrate 3 m ³ /h, pipe distance 125 mm	9511
	Manifold/collector - two 5/4" heating circuits (pipe distance 125 mm), 2" for heat source alternatively on the right or left side (incl. plugs for unused outlets), thermal insulation, max. flowrate 7 m ³ /h	15857
	Manifold/collector - three 5/4" heating circuits (pipe distance 125 mm), 2" for heat source alternatively on the right or left side (incl. plugs for unused outlets), thermal insulation, max. flowrate 7 m ³ /h	17230
	Wall support for 1" manifold/collector, set of 2	9191
	Wall support for 5/4" manifold/collector, set of 2	17599
Hydraulic Dynamic Pressure Balancers (HVDT)		Code
	Pressure balancer between primary and secondary circuit - 1", max. flow rate 2 m ³ /h incl. threaded fittings	9188
	Pressure balancer between primary and sec. circuit - 5/4", max. flow rate 3 m ³ /h incl. threaded fittings	9514
	Pressure balancer between primary and sec. circuit - 2", max. flow rate 8 m ³ /h incl. threaded fittings	17598
	Wall support for hydraulic pressure balancers code 9188, 9514, set of 2	9190
	Wall support for hydraulic pressure balancers code 17598, set of 2	16133

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High-efficiency circulation pumps for heating systems		Code
	Wilo Yonos Pico 25/1-4 Pump, 180 - 6/4" M, 230 V, with display showing actual energy consumption	12130
	Wilo Yonos Pico 25/1-6 Pump, 180 - 6/4" M, 230 V, with display showing actual energy consumption	12131
	Wilo Stratos PICO 25/1-4 - 180- 6/4" M, 230 V, with LCD display and Dynamic Adapt function, incl. insulation	10163
	Wilo Stratos PICO 25/1-6 - 180- 6/4" M, 230 V, with LCD display and Dynamic Adapt function, incl. insulation	10164
	Wilo Yonos MAXO 25/0,5-10 - 180 - 6/4" M, 230 V, LCD display	16818
	Grundfos ALPHA1 L 25-40 180-6/4" M pump, 1x230 V, PWM control, no display	16316
	Grundfos ALPHA1 L 25-60 180-6/4" M pump, 1x230 V, PWM control, no display	16322
	Grundfos ALPHA2 25-40 - 180 - 6/4" M pump, 230 V, with display showing actual energy consumption and AUTOADAPT function	12189
	Grundfos ALPHA2 25-60 - 180 - 6/4" M pump, 230 V, with display showing actual energy consumption and AUTOADAPT function	12149
High-efficiency circulation pumps for solar thermal systems		Code
	Wilo Yonos Pico STG 25/1-7,5 - 180 - 6/4" M, 230 V	15198
High-efficiency circulation pumps for drinking water		Code
	Wilo Star-Z NOVA, 84-1/2" M, 1x230 V, no display	10666
	Grundfos COMFORT UP 15-14B PM pump, 80-1/2" M, 1x230 V, no display	12194
	Grundfos COMFORT UP 15-14BA PM pump, 80-1/2" M, 1x230 V, with display	12193
	CSE TV ZV G 1F Insulated Pump Station with UPM3 DHW pump, check valve, thermometer, intended for DHW circuits – for DHW recirculation or DHW heating via a heat exchanger.	15181

Ball Valves with strainer & magnet		Connection	Code	
	MAGNET FILTERBALL Ball Valve with strainer and magnet (FxF thread) – 0.6 mm mesh, up to 16 bar, -20 to 100 °C	3/4" F	17404	
		1" F	17405	
		5/4" F	17406	
		6/4" F	17407	
		2" F	17408	
Ball valves with lever, drinking water certified		Connection	Code	
	Ball valve (F x F threads)	1/2" F	11965	
		3/4" F	11966	
		1" F	11967	
		5/4" F	11968	
		6/4" F	11969	
		2" F	11970	
		2 1/2" F	11971	
		3" F	11972	
Ball Valves with union nut		Connection	Code	
	Ball Valve (union nut x F thread)	1/2" Fu/F	17410	
		3/4" Fu/F	17411	
		1" Fu/F	15412	
	Ball Valve (union nut x M thread)	1/2" Fu/M	17051	
		3/4" Fu/M	17052	
		1" Fu/M	17044	
	Ball Valve w. drain valve (union nut x F thread)	3/4" Fu/F	17414	
		1" Fu/F	17415	
	Ball Valve w. drain valve (union nut x M thread)	3/4" Fu/M	17412	
		1" Fu/M	17413	
	Ball Valves for circulation pumps		Connection	Code
		Ball Valve, opening by lever	6/4" Fu x Cu 22	16448
6/4" Fu x Cu 28			16673	
6/4"x5/4" Fu/F			16953	
	Ball valve with check valve (union nut x inner thread)	1 1/2" x 1" Fu/F	14890	
Pump Fittings with ball valve			Code	
	Brass hex nipple 1 1/2" Fu x Cu 22 with ball valve incl. gasket (1 piece)		17293	
	Brass hex nipple 1 1/2" Fu x Cu 28 with ball valve incl. gasket (1 piece)		17295	
	Brass hex nipple 1 1/2" x 1" Fu/F with ball valve incl. gasket (1 piece)		15200	
Pump Fittings			Code	
	Brass reducing adapter for pump, nickel plated, 6/4"x1" Fu/F incl. gasket		13253	
	Brass hex nipple 1 1/2" x 1" Fu/F incl. gasket (1 piece)		5597	
	Brass reducing adapter for pump, 6/4"x5/4" Fu/F incl. gasket (1 piece)		16234	
	Brass reducing adapter for pump, 2"x5/4" Fu/F incl. gasket (1 piece)		16227	
	6/4" NBR gasket		9710	

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Brass mixing valves		
	LK 840 3-way mixing valves, F connection	Code
	3-way mixing valve, 1/2" F, DN 15, PN10, 110 °C, $K_{vs} = 1.6 \text{ m}^3/\text{h}$	13998
	3-way mixing valve, 1/2" F, DN 15, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	11489
	3-way mixing valve, 3/4" F, DN 20, PN10, 110 °C, $K_{vs} = 4.0 \text{ m}^3/\text{h}$	14000
	3-way mixing valve, 3/4" F, DN 20, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$, new generation 2.0	16698
	3-way mixing valve, 1" F, DN 25, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$, new generation 2.0	16758
	3-way mixing valve, 1" F, DN 25, PN10, 110 °C, $K_{vs} = 10 \text{ m}^3/\text{h}$, new generation 2.0	16700
	3-way mixing valve, 5/4" F, DN 32, PN10, 110 °C, $K_{vs} = 16 \text{ m}^3/\text{h}$, new generation 2.0	16693
3-way mixing valve, 6/4" F, DN 40, PN10, 110 °C, $K_{vs} = 25 \text{ m}^3/\text{h}$, new generation 2.0	16762	
3-way mixing valve, 2" F, DN 50, PN10, 110 °C, $K_{vs} = 40 \text{ m}^3/\text{h}$, new generation 2.0	16697	
	LK 840 3-way mixing valves, M connection	Code
	3-way mixing valve, 3/4" M, DN 20, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	14822
	3-way mixing valve, 1" M, DN 25, PN10, 110 °C, $K_{vs} = 4.0 \text{ m}^3/\text{h}$, new generation 2.0	16768
	3-way mixing valve, 1" M, DN 25, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$, new generation 2.0	16695
	3-way mixing valve, 5/4" M, DN 32, PN10, 110 °C, $K_{vs} = 12 \text{ m}^3/\text{h}$	14826
	3-way mixing valve, 6/4" M, DN 40, PN10, 110 °C, $K_{vs} = 15 \text{ m}^3/\text{h}$	14827
	3-way mixing valve, 2" M, DN 50, PN10, 110 °C, $K_{vs} = 24 \text{ m}^3/\text{h}$	14828
	LK 840 3-way mixing valves, for copper pipes	Code
	3-way mixing valve, Cu 15, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	15771
	3-way mixing valve, Cu 18, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	15772
	3-way mixing valve, Cu 22, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	15773
	3-way mixing valve, Cu 22, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$	15774
	3-way mixing valve, Cu 28, PN10, 110 °C, $K_{vs} = 4.0 \text{ m}^3/\text{h}$	15775
	3-way mixing valve, Cu 28, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$	15776
	LK 841 4-way mixing valves, F connection	Code
	4-way mixing valve, 1/2" F, DN 15, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	14859
	4-way mixing valve, 3/4" F, DN 20, PN10, 110 °C, $K_{vs} = 4.0 \text{ m}^3/\text{h}$	14864
	4-way mixing valve, 3/4" F, DN 20, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$	14863
	4-way mixing valve, 1" F, DN 25, PN10, 110 °C, $K_{vs} = 10 \text{ m}^3/\text{h}$, new generation 2.0	16694
	4-way mixing valve, 5/4" F, DN 32, PN10, 110 °C, $K_{vs} = 16 \text{ m}^3/\text{h}$, new generation 2.0	16699
	4-way mixing valve, 6/4" F, DN 40, PN10, 110 °C, $K_{vs} = 24 \text{ m}^3/\text{h}$	12664
	4-way mixing valve, 2" F, DN 50, PN10, 110 °C, $K_{vs} = 40 \text{ m}^3/\text{h}$	12665
	LK 841 4-way mixing valves, M connection	Code
	4-way mixing valve, 3/4" M, DN 20, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	14829
	4-way mixing valve, 1" M, DN 25, PN10, 110 °C, $K_{vs} = 4.0 \text{ m}^3/\text{h}$	14830
	4-way mixing valve, 1" M, DN 25, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$	14831
	4-way mixing valve, 5/4" M, DN 32, PN10, 110 °C, $K_{vs} = 8.0 \text{ m}^3/\text{h}$	14832
	4-way mixing valve, 5/4" M, DN 32, PN10, 110 °C, $K_{vs} = 12 \text{ m}^3/\text{h}$	14833
	4-way mixing valve, 6/4" M, DN 40, PN10, 110 °C, $K_{vs} = 15 \text{ m}^3/\text{h}$	14834
	LK 841 4-way mixing valves, for copper pipes	Code
	4-way mixing valve, Cu 15, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	15777
	4-way mixing valve, Cu 18, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	15778
	4-way mixing valve, Cu 22, PN10, 110 °C, $K_{vs} = 2.5 \text{ m}^3/\text{h}$	15779
	4-way mixing valve, Cu 28, PN10, 110 °C, $K_{vs} = 4.0 \text{ m}^3/\text{h}$	15780
	4-way mixing valve, Cu 28, PN10, 110 °C, $K_{vs} = 6.3 \text{ m}^3/\text{h}$	15781

AVC Actuators for mixing valves – 3-point or 0-10 V control		Code
	230 V actuator for mixing valve, incl. 2m cable, 60 s, 5 Nm	10875
	230 V actuator for mixing valve, incl. 2m cable, 120 s, 5 Nm	9193
	230 V actuator for mixing valve, incl. 2m cable, 120 s, 5 Nm, auxiliary microswitch	10878
	230V actuator for mixing valve, incl. 2m cable, 240 s, 5 Nm	10876
	24 V actuator for mixing valve, incl. 2m cable, 120 s, 5 Nm	11118
	24 V actuator with 0-10V mixing valve control, incl. 2m cable, 60-120 s, 5 Nm	14682
	24 V actuator with 0-10V mixing valve control, incl. 2m cable, 60-120 s, 10 Nm	10873
ACC Actuators for mixing valves, control to fixed temperature		Code
	230V actuator incl. 2m cable, 60 s, 5 Nm, for mixing valve, control to fixed temperature, with one Pt1000 sensor	16101
	230V actuator incl. 2m cable, 60 s, 5 Nm, 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	16102
	T1 Temperature Sensor with 1m cable – Pt1000 for fixed temperature actuators	16149
	T2 Temperature Sensor with 3m cable – Pt1000 for fixed temperature actuators	16150
AHC actuators for mixing valves with weather compensation		Code
	230V mixing valve actuator, 2m cable, 120 s, 6 Nm, 3 Pt1000 sensors , weather compensated heating system control	16253
	RCD2 Room Unit for AHC40 actuator	16973
Mixing valves - kits		Code
	3-way mixing valve, 1" F, DN 25, with 230V actuator, 120 s, Kvs=10 m3/h	13230
	3-way mixing valve, 1" F, DN 25, with 230V actuator, 120 s, Kvs=10 m3/h and CS KK W pump station	13232
Fittings for mixing valves		Code
	T-piece, 1" M/Fu/M, 125 mm pitch, incl. gasket - for easy connection of CSE MIX 1" M pump stations to Regulus heating circuit manifolds	16659
	T-piece, 1" M/Fu/M, 90 mm pitch, incl. gasket - for easy connection of return line to mixing valve in CSE MIX 1" M pump station	16660
	Coupler for valve, 1" Fu/M (union nut x M), incl. gasket	15695
	Coupler for valve, 1" Fu/F (union nu x F), incl. gasket	15694
Insulation for LK Mixing Valves		Code
	Insulation for LK 840 3-way valve, 1/2" and 3/4" M and F, 1" M	14981
	Insulation for LK 840 3-way valve, 1" F, 5/4" M and F, 6/4" M	14982
	Insulation for LK 841 1/2" and 3/4" M and F, 1" M	14983
	Insulation for LK 841 1" F, 5/4" M and F, 6/4" M	14984

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Regulus 3-way zone ball valves, PN16, single-pole control (open when shifting), suitable also for drinking water		Code
	VZK R 315-230-1P, 1/2" F, DN 15, 230 V, 60 s/90°, $K_{vs} = 10,5 \text{ m}^3/\text{h}$	13602
	VZK R 320-230-1P, 3/4" F, DN 20, 230 V, 60 s/90°, $K_{vs} = 10,5 \text{ m}^3/\text{h}$	13603
	VZK R 325-230-1P, 1" F, DN 25, 230 V, 60 s/90°, $K_{vs} = 14 \text{ m}^3/\text{h}$	13604
Regulus 3-way zone ball valves with bidirectional actuator, PN16 single-pole control		Code
	VZK 315-230-1P, 1/2" F, DN 15, 230 V, 64 s/180°, $K_{vs} = 5 \text{ m}^3/\text{h}$, auxiliary microswitch	11292
	VZK 320-230-1P, 3/4" F, DN 20, 230 V, 64 s/180°, $K_{vs} = 7 \text{ m}^3/\text{h}$, auxiliary microswitch	11293
	VZK 325-230-1P, 1" F, DN 25, 230 V, 64 s/180°, $K_{vs} = 11 \text{ m}^3/\text{h}$, auxiliary microswitch	11294
Regulus VZP 3-way Zone Valves, PN 16, with return spring		Code
	VZP 315-230-1P, 1/2" F, DN 15, 230 V, $K_{vs} = 2.2 \text{ m}^3/\text{h}$, auxiliary microswitch	12854
	VZP 320-230-1P, 3/4" F, DN 20, 230 V, $K_{vs} = 3.0 \text{ m}^3/\text{h}$, auxiliary microswitch	12855
	VZP 325-230-1P, 1" F, DN 25, 230 V, $K_{vs} = 4.6 \text{ m}^3/\text{h}$, auxiliary microswitch	9658
3-way Zone Valves PN 10 with return spring		Code
	SF-15-M1, 1/2", female, DN 15, 230 V, auxiliary microswitch	4170
	SF-20-E, 3/4", male DN 20, 230 V	624
	SF-20-E-M1S, 3/4" M, DN 20, 230 V, auxiliary 2-pole microswitch	6766
	SF-20-M1, 3/4", female, DN 20, 230 V, auxiliary microswitch	958
	SF-20, 3/4", female, DN 20, 24 V	4283
	SF-25, 1", female, DN 25, 230 V	642
	SF-25-E, 1", male, DN 25, 230 V	4223
	SF-25-E-M1, 1", male, DN 25, 230 V, auxiliary microswitch	644
	SF-25-M1, 1", female, DN 25, 230 V, auxiliary microswitch	645
	SF-25-M1S, 1", female, DN 25, 230 V, auxiliary 2-pole microswitch	3628
3-way Zone Gate Valves, bidirectional actuator, PN 10, single-pole control		Code
	LK 525 Cu 22, DN 20, 230 V, 8 s/60°, with actuator and cable, $K_{vs} = 8 \text{ m}^3/\text{h}$	14883
	LK 525 Cu 28, DN 25, 230 V, 8 s/60°, with actuator and cable, $K_{vs} = 8 \text{ m}^3/\text{h}$	14884
	LK 525 1" M, DN 25, 230 V, 8 s/60°, with actuator and cable, $K_{vs} = 8 \text{ m}^3/\text{h}$	11284
	LK 525 5/4" M, DN 32, 230 V, 8 s/60°, with actuator and cable, $K_{vs} = 8 \text{ m}^3/\text{h}$	11285
	Adapter for LK 525 valve, for actuator max. temp. increase to 120 °C	11278
	Sealing O-ring for Cu 28 pipes	13393
Regulus VZK-S 3-way motorized ball valves, PN16, double-pole control (mixing possible), suitable also for drinking water		Code
	VZK-S, 1/2" F, DN 15, 110°C, $K_{vs}=10.5 \text{ m}^3/\text{h}$, 230V actuator, 48 s, 15 Nm	13589
	VZK-S, 3/4" F, DN 20, 110°C, $K_{vs}=10.5 \text{ m}^3/\text{h}$, 230V actuator, 48 s, 15 Nm	11286
	VZK-S, 1" F, DN 25, 110°C, $K_{vs}=14 \text{ m}^3/\text{h}$, 230V actuator, 48 s, 15 Nm	11287
Accessories for valves with single-pole control		Code
	IP44 protected box with 2A fuse, to power supply valves with single-pole control (VZK and LK zone valves)	11685

Regulus 2-way Zone Ball Valves with bidirectional actuator, PN16, single-pole control, suitable also for drinking water		Code	
	VZK 215-230-1P, 1/2" F, DN 15, 230 V, 30 s/90°, $K_{vs} = 8,5 \text{ m}^3/\text{h}$, NC, auxiliary microswitch	11288	
	VZK 220-230-1P, 3/4" F, DN 20, 230 V, 30 s/90°, $K_{vs} = 20 \text{ m}^3/\text{h}$, NC, auxiliary microswitch	10344	
	VZK 225-230-1P, 1" F, DN 25, 230 V, 30 s/90°, $K_{vs} = 30 \text{ m}^3/\text{h}$, NC, auxiliary microswitch	11289	
2-way Regulus VZP Zone Valves, PN 16, with return spring		Code	
	VZP 215-230-1P, 1/2" F, DN 15, 230 V, $K_{vs} = 2.2 \text{ m}^3/\text{h}$, auxiliary microswitch, NC	12856	
	VZP 220-230-1P, 3/4" F, DN 20, 230 V, $K_{vs} = 3.0 \text{ m}^3/\text{h}$, auxiliary microswitch, NC	12857	
	VZP 225-230-1P, 1" F, DN 25, 230 V, $K_{vs} = 4.6 \text{ m}^3/\text{h}$, auxiliary microswitch, NC	12858	
2-way Zone Valves PN 10 with return spring		Code	
	SF-15-2-M1, 1/2", female, DN 15, 230 V, auxiliary microswitch, NC	3349	
	SF-20-2, 3/4", female, DN 20, 230V, NC	575	
	SF-20-2-E, 3/4", male, DN 20, 230V, NC	5784	
	SF-20-2-M1, 3/4", female, , DN 20, 230V, auxiliary microswitch, NC	579	
	SF-25-2, 1", female, DN 25, 230V, NC	603	
	SF-25-2-E, 1", male, DN 25, 230V, NC	3989	
	SF-25-2-M1, 1", female, , DN 25, 230V, auxiliary microswitch, NC	614	
	SF-25-2-M1, 1", female, DN 25, 230V, auxiliary microswitch, NO	4773	
LK 525 Zone gate valves, bidirectional actuator, PN 10 single-pole control		Code	
	LK 525 Cu 22, DN 20, 230 V, 12 s/90°, with actuator and cable, $K_{vs} = 11 \text{ m}^3/\text{h}$, NC	14896	
	LK 525 Cu 28, DN 25, 230 V, 12 s/90°, with actuator and cable, $K_{vs} = 11 \text{ m}^3/\text{h}$, NC	14897	
	LK 525 1" M, DN 25, 230V, 12 s/90°, with actuator and cable, $K_{vs} = 11 \text{ m}^3/\text{h}$, NO	12874	
	LK 525 5/4" M, DN 32, 230V, 12 s/90°, with actuator and cable, $K_{vs} = 11 \text{ m}^3/\text{h}$, NO	12875	
	LK 525 1" M, DN 25, 230V, 12 s/90°, with actuator and cable, $K_{vs} = 11 \text{ m}^3/\text{h}$, NC	16283	
	LK 525 5/4" M, DN 32, 230V, 12 s/90°, with actuator and cable, $K_{vs} = 11 \text{ m}^3/\text{h}$, NC	16284	
	Adapter for LK 525 valve, for actuator max. temp. increase to 120 °C	11278	
	Sealing O-ring for Cu 28 pipes	13393	
	Accessories for valves with single-pole control		Code
		IP44 protected box with 2A fuse, to power supply valves with single-pole control (VZK and LK zone valves)	11685

NC - normally closed - with no control voltage (live) the valve is closed

NO - normally open - with no control voltage (live) the valve is open

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EV Solenoid 2-way valves				
	EV251B solenoid valves with 230V coil, terminal, NBR membrane, 0-10 bar, for open and sealed systems		Code	
	EV251B 10B Solenoid valve, 3/8" F, DN 10, NC	032U538031	12264	
	EV251B 12B Solenoid valve, 1/2" F, DN 15, NC	032U538131	11054	
	EV251B 18B Solenoid valve, 3/4" F, DN 20, NC	032U538231	11055	
	EV251B 22B Solenoid valve, 1" F, DN 25, NC	032U538331	11056	
	EV220 B valve bodies, EPDM membrane, 0.1-20 bar, indirect control, for open systems		Code	
	EV220B NC valve body, 3/8" F, DN 10	032U1241	12265	
	EV220B NC valve body, 1/2" F, DN 15	032U1251	12266	
	EV220 B valve bodies, EPDM membrane, 0.3-16 bar, indirect control		Code	
	EV220B NC valve body, 1/2" F, DN 15	032U7115	12267	
	EV220B NC valve body, 3/4" F, DN 20	032U7120	12268	
	Clip-on coils for EV valves		Code	
	BB 230AS Solenoid coil, 230 VAC	018F7351	12269	
	BB 024AS Solenoid coil, 24 VAC	018F7358	12270	
	Terminal for BB coil, IP 65	042N0156	12271	
Belimo ball valves, PN 16, suitable also for drinking water			Code	
	3-way valve DN 15 without actuator, 1/2" F - elbow	R315BL	8001	
	3-way valve DN 20 without actuator, 3/4" F - elbow	R320BL	8002	
	3-way valve DN 25 without actuator, 1" F - elbow	R325BL	8003	
	3-way valve DN 25 without actuator, 1" F - Tee		9203	
	3-way valve DN 32 without actuator, 5/4" F - Tee		9204	
	3-way valve DN 40 without actuator, 6/4" F - Tee		9205	
	3-way valve DN 50 without actuator, 2" F - Tee		9206	
	Actuators for Belimo ball valves		Code	
	230VAC actuator for 2- and 3-way valves, NC safety function, auxiliary microswitch, 2 Nm	DN 15-20	TRF230-S	10462
	230VAC actuator for 3-way valves, 5 Nm	DN 15-25	LR230A	8004
	230VAC actuator for 3-way valves, 10 Nm	DN 32-40	NR230A	9207
	230VAC actuator for 3-way valves, 20 Nm	DN 50-80	SR230A	9208

Regulus Wmix Anti-Scald Valves, side outlet			
	Knob adjustable, no check valves	Code	
	Anti-Scald Valve TVmix, 35-65 °C, 1/2" M, DN 15, $K_{vs}=1,3 \text{ m}^3/\text{h}$	14508	
	Anti-Scald Valve TVmix, 35-65 °C, 3/4" M, DN 20, $K_{vs}=1,6 \text{ m}^3/\text{h}$	14509	
	Anti-Scald Valve TVmix, 35-65 °C, 1" M, DN 25, $K_{vs}=1,8 \text{ m}^3/\text{h}$	14510	
	Anti-Scald Valve TVmix, 35-65 °C, 1/2" F, DN 15, $K_{vs}=1,6 \text{ m}^3/\text{h}$	14511	
	Anti-Scald Valve TVmix, 35-65 °C, 3/4" F, DN 20, $K_{vs}=1,8 \text{ m}^3/\text{h}$	14512	
	Anti-Scald Valve TVmix, 35-65 °C, Cu 15x1, $K_{vs}=1,3 \text{ m}^3/\text{h}$	14513	
	Anti-Scald Valve TVmix, 35-65 °C, Cu 22x1, $K_{vs}=1,8 \text{ m}^3/\text{h}$	14515	
	Knob adjustable, with check valves	Code	
	Anti-Scald Valve TVmix, 35-65 °C, 1/2" M, DN 15, check valve	14903	
	Anti-Scald Valve TVmix, 35-65 °C, 3/4" M, DN 20, check valve	14904	
	Thermostatic Element	Code	
	Thermostatic Element 35-65 °C - spare element for TVmix	14738	
	Thermostatic Mixing Valves for DHW, side outlet		Code
		LK 550-22 Thermostatic Valve for DHW, 38-65 °C, Cu 22x1 connection, $K_{vs}=2.2 \text{ m}^3/\text{h}$, incl. 1 cold-water check valve and pipe fittings	10303
Check valve to be incorporated into TERMOMIX (only if connected to Cu 22x1 pipe)		10591	
LK 550-1/2 Thermostatic valve for DHW, 38-65 °C, 1/2", DN 15, $K_{vs}=1.2 \text{ m}^3/\text{h}$		10874	
LK 550-3/4 Thermostatic valve for DHW, 38-65 °C, 3/4", DN 20, $K_{vs}=2.2 \text{ m}^3/\text{h}$		11057	
Check valve for integration into TERMOMIX 3/4 (only if 3/4" thread is used)		11058	
Regulus Wmix Anti-Scald Valves, outlet in the middle			
	Knob adjustable, no check valves	Code	
	Anti-Scald Valve Wmix-K S20, 30-65 °C, 3/4" M, DN 20, $K_{vs}=0.9 \text{ m}^3/\text{h}$	12023	
	Anti-Scald Valve Wmix-K S25, 30-65 °C, 1" M, DN 25, $K_{vs}=1.0 \text{ m}^3/\text{h}$	12020	
	Anti-Scald Valve Wmix-K S32, 30-65 °C, 5/4" M, DN 32, $K_{vs}=4.0 \text{ m}^3/\text{h}$	12025	
	Knob adjustable, with check valves and strainers	Code	
	Anti-Scald Valve Wmix-K S20, 30-65 °C, 3/4" M, DN 20, $K_{vs}=0.9 \text{ m}^3/\text{h}$ incl. 3 threaded fittings and 1/2" M inlet check valves with strainer	11663	
	Anti-Scald Valve Wmix-K S25, 30-65 °C, 1" M, DN 25, $K_{vs}=1.0 \text{ m}^3/\text{h}$ incl. 3 threaded fittings and 3/4" M inlet check valves with strainer	11664	
	Anti-Scald Valve Wmix-K 32, 30-65 °C, 5/4" M, DN 32, $K_{vs}=4.0 \text{ m}^3/\text{h}$ incl. 3 threaded fittings and 1" M inlet check valves with strainer	11674	
	Anti-Scald Valves, outlet in the middle		Code
		MT52HC -Anti-Scald Valve, high flow, 20-70 °C, 5/4" M, DN 32, $K_{vs}=6.1 \text{ m}^3/\text{h}$	7079

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Safety valves for heating systems 110 °C max.				
	F/F connections	Opening pressure	Code	
	Safety valve, 1/2" F	1,5 bar	11891	
		2 bar	11892	
		2,5 bar	11897	
		3 bar	605	
		4 bar	11901	
		6 bar	11903	
	Safety valve, 3/4" F	1,5 bar	15383	
		2 bar	15384	
		2,5 bar	15385	
		3 bar	15386	
		4 bar	15387	
		6 bar	15388	
	Safety valve, 1" F	2,5 bar	15396	
		3 bar	15397	
4 bar		15398		
	M/F connections	Opening pressure	Code	
	Safety valve, 1/2" M/F	1,5 bar	13063	
		2 bar	11894	
		2,5 bar	923	
		3 bar	791	
		4 bar	11902	
		6 bar	11904	
	Safety valve, 3/4" M/F	1,5 bar	15389	
		2 bar	15390	
		2,5 bar	15391	
		3 bar	15392	
		4 bar	15393	
		6 bar	15394	
		F/F connections, reducer	Opening pressure	Code
		Safety valve, 1/2"x3/4" F	2,5 bar	15375
3 bar			15376	
4 bar			15377	
Safety valve, 3/4"x1" F		6 bar	15378	
		2,5 bar	11896	
		3 bar	11898	
Safety valve, 1"x5/4" F		4 bar	15395	
		6 bar	11905	
		3 bar	15120	
Safety valve, 1"x5/4" F		4 bar	15121	
		6 bar	15122	
		10 bar	15366	
		M/F connections, reducer	Opening pressure	Code
		Safety valve, 1/2"x3/4" M/F	2,5 bar	15379
	3 bar		15380	
	4 bar		15381	
	6 bar		15382	
	Drain tundishes for safety valve outlet	Connection	Code	
	Tundish (F x F thread) - not intended for drinking water	1/2" F	14062	
		3/4" F	14063	
		1" F	14064	
		5/4" F	14065	

Safety valves for heating systems 110 °C max.		Op. pressure, temp.	Code
	PTR valve pressure and temperature release valve for hot water storage tank protection against high pressure and overheating	7 bar, 92 °C	17240
		10 bar, 92 °C	17241
Safety Assemblies		PV Opening pressure	Code
	Insulated Safety Assembly – safety valve, air vent valve, 0-4 bar pressure gauge - union nut connection 1" Fu, 1/2" F safety valve	2 bar	15090
		3 bar	15306
Air vent valves, 110 °C, 10 bar		Connection	Code
	Automatic air vent valve with check valve OV1, top outlet	1/2" M	5373
		3/8" M	5601
	Automatic air vent valve with check valve OV, top outlet	1/2" M	11722
		3/8" M	11721
	Automatic air vent valve with check valve, side outlet	1/2" M	11726
		3/8" M	11725
	Automatic air vent valve with check valve, side inlet, top outlet	1/2" M	11724
		3/8" M	11723
Check valves, 120 °C, 25 bar		Connection	Code
	Check valve (female thread)	1/2" F	11907
		3/4" F	11908
		1" F	11906
		5/4" F	11909
Drain valves, 110 °C		Connection	Code
	Drain valve, 10 bar, red metal handle	1/2" M	4741
	Drain valve, 16 bar, no handle, with cap	1/2" M	15609
	Pressure reducing valve		Code
	Pressure reducing valve 1 to 4 bar, inlet 15 bar max.	1/2" F	660
	Pressure reducing valve 1 to 4 bar, inlet 15 bar max.	3/4" F	661
	Pressure reducing valve 0,5 to 6 bar, inlet 25 bar max.	1" F	15086

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Brass Fittings with cylindric threads and enlarged sealing area		Code
	Hex nipple (male thread)	3/8" M 6972
		1/2" M 6971
		3/4" M 6970
		1" M 6969
		5/4" M 6973
		6/4" M 7627
	Reducing nipple (male thread)	1/2"x3/8" M 6968
		3/4"x1/2" M 6965
		1"x3/4" M 6967
		5/4"x3/4" M 8270
		5/4"x1" M 6966
		6/4"x1" M 8766
	Extension (female x male thread), 20 mm long	3/4" F/M 14304
	Extension (female x male thread), 19 mm long	1" F/M 14305
	Reducer (male x female thread)	1/2"x1/4" M/F 16169
		3/4"x1/2" M/F 6964
		1"x1/2" M/F 14307
		1"x3/4" M/F 14306
		5/4"x1/2" M/F 8564
		5/4"x1" M/F 13395
		6/4"x1" M/F 7882
		6/4"x5/4" M/F 15820
	Reducing adapter (female x male thread)	3/4"x1/2"F/M 9151
		1"x3/4" F/M 13366
		6/4"x1" F/M 14494
	T-piece (male thread)	1/2" M 15175
		3/4" M 15176
		1" M 15177
	Reducing T-piece (male thread)	3/4"x1/2"x3/4" M 15178
		1"x3/4"x1" M 15179
	T-piece (female thread)	1/2" F 3206
		3/4" F 7180
		1" F 15184
	Reducing T-piece (female thread)	6/4"x3/4"x6/4" F 8757
		6/4"x3/4"x6/4" F 15996
	Plug with gasket (asbestos-free)	3/8" M 7956
		1/2" M 7634
	Plug	3/4" M 7954
		1" F 7691
		5/4" F 14948
	Threaded fitting (female thread) incl. gasket	6/4" M 7881
		1" F 15805
	Fitting to pump with ball valve (union nut x F), incl. gasket	5/4" F 15822
		6/4"x1" Fu/F 15200
	Fitting to pump (union nut x F), incl. gasket, nickel plated	6/4"x1" Fu/F 13253
		6/4"x1" Fu/F 5597
	Fitting to pump (union nut x F), incl. gasket	6/4"x5/4" Fu/F 16234
		2"x5/4" Fu/F 16227

Fittings also for gas, enlarged sealing area		Code	
	Valve fittings (union nut x M) incl. gasket	3/4" Fu/M 15693 1" Fu/M 15695	
	Valve fittings (union nut x F) incl. gasket	3/4" Fu/F 15692 1" Fu/F 15694	
Valve fittings (union nut x F) - set of 3 pcs, incl. gaskets		5/4"x1" Fu/F 6549 5/4"x1" Fu/F 12699	
	T-piece, 1" M/Fu/M, 125 mm pitch, incl. gasket - for easy connection of CSE MIX 1" M pump stations to Regulus heating circuit manifolds	16659	
	T-piece, 1" M/Fu/M, 90 mm pitch, incl. gasket - for easy connection of return line to mixing valve in CSE MIX 1" M pump station	16660	
Brass Hex Nipples, cylindrical x conical threads, enlarged sealing surface area (for gas and water)		Code	
	Coupler (outer cylindrical threads with enlarged sealing area x outer conical threads)	1/2" M 15596 3/4" M 15597 1" M 15598	
		Reducing Coupler (outer cylindrical threads with enlarged sealing area x outer conical threads)	1/2"x3/8" M 15599 3/4"x1/2" M 15600 1"x3/4" M 15601
Compression Fittings for copper pipes			Code
	Gasket for copper pipes		Cu 22 7330 Cu 28 13393
		Pipe insert	Cu 22 (x 0,8 max) 12923 Cu 28 (x 1 max) 15900
	Straight Compression Fitting		Cu 22 7629 Cu 28 13394
		Straight Coupler (with enlarged sealing area at the M thread)	Cu 22 x 3/4" M 13695 Cu 28 x 1" M 13391 Cu 28 x 5/4" M 17090
Brass hex nipple with ball valve incl. gasket	Cu 22 x 6/4" Fu 17293 Cu 28 x 6/4" Fu 17295		
	Compression Elbow		Cu 28 16437
Transition Elbow (with enlarged sealing area at the M thread)		Cu 22 x 3/4" M 13694 Cu 28 x 1" M 15985 Cu 28 x 5/4" M 17091	
	X-piece (with enlarged sealing area at the M thread)	Cu 22 x 3/4" M x 1/2" F x 3/8" F se zátkou 13716	
		Blind hex fitting for Cu pipes	Cu 22 13696
Fittings to braze on copper pipes		Code	
	Braze fitting, incl. gasket (asbestos free)	Cu 28 x 5/4" Fu 6765	
		Braze fitting, incl. gasket (asbestos free) - set of 3 pcs	Cu 28 x 5/4" Fu 12700

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Thermostatic Heads		Connection	Code
	TH 01 B Thermostatic Head	M30x1,5	17105
	TH 03 B Thermostatic Head	M30x1,5	17106
	TH 01 C Thermostatic Head	M30x1,5	15269
	TH 02 BC Thermostatic Head	M30x1,5	15270
Radiator Valves			
Euroconus thread		Connection	Code
	Radiator valve for thermostatic head, for radiator inlet, - straight, Euroconus thread	1/2"	17110
	Radiator valve for thermostatic head, for radiator inlet, - angled, Euroconus thread	1/2"	17111
	Lockshield valve (for return line) - straight, Euroconus thread	1/2"	17112
	Lockshield valve (for return line) - angled, Euroconus thread	1/2"	17113
Female thread		Connection	Code
	Radiator valve for thermostatic head, for radiator inlet, - straight, female thread	3/4" F	16472
		1/2" F	16471
		1" F	17108
	Radiator valve for thermostatic head, for radiator inlet, - angled, female thread	3/4" F	16474
		1/2" F	16473
		1" F	17109
	Lockshield valve (for return line) - straight, female thread	3/4" F	16480
		1/2" F	16479
	Lockshield valve (for return line) - angled, female thread	3/4" F	16482
		1/2" F	16481

SICURFLEX Flexible yellow stainless steel pipes for gas		Code	
	1/2" Sicurflex pipe, DN 12, sold by the meter (30 m max.)	13460	
	1/2" Sicurflex pipe, DN 12, 4m bulk pack	13459	
	1/2" nut with NBR gasket, for gas	13634	
	3/4" Sicurflex pipe, DN 15, sold by the meter (30 m max.)	13462	
	3/4" Sicurflex pipe, DN 15, 4m bulk pack	13461	
	3/4" nut with NBR gasket, for gas	13635	
	1" Sicurflex pipe, DN 20, sold by the meter (30 m max.)	13464	
	1" Sicurflex pipe, DN 20, 4m bulk pack	13463	
	1" nut with NBR gasket, for gas	13636	
	Accessories to Sicurflex		
	Code		
	       	Adhesive yellow duct tape - for gas pipes - 15 m	13940
		Pipe cutter	713
		1/2", 3/4" clamp - for DN 12 and DN 15 gas pipes	13939
		1/2", 1" clamp - for DN 12 and DN 20 gas pipes	14088
		Tube template rammer	3430
		DN 12 Wall clamp with M8 head, screw and dowel included.	14160
		DN 15 Wall clamp with M8 head, screw and dowel included.	14161
		DN 20 Wall clamp with M8 head, screw and dowel included.	14162
		Gaskets for Sicurflex gas pipes	
Code			
		NBR gasket for 1/2" nut, for gas	14090
	NBR gasket for 3/4" nut, for gas	14091	
	NBR gasket for 1" nut, for gas	14092	

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SOLARFLEX A - DUO, pre-insulated twinway stainless-steel tubes with cable in EPDM insulation, for solar systems with insulation surface protection only			
	insulation thickness of 13 mm		Code
	Twinway DN 16 stainless-steel tube, 10 m, incl. 4 nuts with lock rings and rim nipple		9916
	Twinway DN 16 stainless-steel tube, 15 m, incl. 4 nuts with lock rings and rim nipple		9619
	Twinway DN 16 stainless-steel tube, 50 m		10564
	Twinway DN 20 stainless-steel tube, 10 m, incl. 4 nuts with lock rings and rim nipple		9917
	Twinway DN 20 stainless-steel tube, 15 m, incl. 4 nuts with lock rings and rim nipple		9620
	Twinway DN 20 stainless-steel tube, 50 m		10565
SOLARFLEX A - MONO, pre-insulated single stainless-steel pipe in EPDM insulation, for solar systems with insulation surface protection only			
	insulation thickness of 13 mm		Code
	DN 16 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple		12899
	DN 16 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple		12900
	DN 16 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple		12901
	DN 16 stainless-steel pipe, 50 m		12902
	DN 20 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple		12903
	DN 20 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple		12904
	DN 20 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple		12905
	DN 20 stainless-steel pipe, 50 m		12906
	insulation thickness of 19 mm		Code
	DN 16 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple		12911
	DN 16 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple		12912
	DN 16 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple		12913
	DN 16 stainless-steel pipe, 50 m		12914
	DN 20 stainless-steel pipe, 10 m, incl. 4 nuts with lock rings and rim nipple		12915
	DN 20 stainless-steel pipe, 20 m, incl. 4 nuts with lock rings and rim nipple		12916
	DN 20 stainless-steel pipe, 30 m, incl. 4 nuts with lock rings and rim nipple		12917
	DN 20 stainless-steel pipe, 50 m		12918
Flexible stainless steel tubes (NO INSULATION) for solar appl.			Code
	DN 16 stainless-steel pipe - sold by the meter		14701
	DN 16 stainless-steel pipe - 5 m		16386
	DN 16 stainless-steel pipe - 10 m		16387
	DN 16 stainless-steel pipe - 15 m		16388
	DN 20 stainless-steel pipe - sold by the meter		14709
	DN 20 stainless-steel pipe - 5 m		16389
	DN 20 stainless-steel pipe - 10 m		16390
	DN 20 stainless-steel pipe - 15 m		16391
Accessories to SOLARFLEX A stainless steel pipes		Pipe size:	Code
	Set of 4 nuts, lock rings, gaskets and rim nipple		DN 16 9644
			DN 20 9645
	Lock rings		DN 16 8802
			DN 20 8803
	3/4" nut		DN 16 8799
	1" nut		DN 20 8800
	Rim nipple 3/4" M		DN 16 6970
	Rim nipple 1" M		DN 20 6969
	Wall clamps for twinway stainless-steel pipe – set of 4		DN 12 - 20 9641
	Wall clamps for single stainless-steel pipe – set of 4		DN 12 - 20 12932

KOMBIFLEX Flexible stainless steel tubes for water and solar appl.		Code
   	Pipe DN 8 (3/8" nut), 2 m	3713
	3/8" Nut with gasket, nickel-plated brass	769
	Pipe DN 12 (1/2" nut), sold by the meter (30 m max.)	4654
	Pipe DN 12 (1/2" nut), 4 m	3093
	Pipe DN 12 (1/2" nut), 30 m	16959
	1/2" Nut with gasket, nickel-plated brass	770
	Pipe DN 16 (3/4" nut), sold by the meter (30 m max.)	4655
	Pipe DN 16 (3/4" nut), 4 m	3094
	Pipe DN 16 (3/4" nut), 30 m	16960
	3/4" Nut with gasket, nickel-plated brass	771
	Pipe DN 20 (1" nut), sold by the meter (30 m max.)	4656
	Pipe DN 20 (1" nut), 4 m	3267
	Pipe DN 20 (1" nut), 30 m	16961
	1" Nut with gasket, nickel-plated brass	3343
	Pipe DN 25 (5/4" nut), sold by the meter (20 m max.)	3379
Pipe DN 25 (5/4" nut), 20 m	16962	
Nut with gasket, nickel-plated brass	3344	
Pre-insulated KOMBIFLEX stainless-steel pipe in EPDM rubber insulation for water and solar systems		Code
	DN12 pipe (1/2" nut) in 13 mm insulation, 30 m packing	8075
	DN12 pipe (1/2" nut) in 19 mm insulation, 30 m packing	8078
	DN16 pipe (3/4" nut) in 13 mm insulation, 30 m packing	8076
	DN16 pipe (3/4" nut) in 19 mm insulation, 30 m packing	8079
	DN 20 pipe (1" nut) in 13 mm insulation, 30 m packing	8077
	DN 20 pipe (1" nut) in 20 mm insulation, 30 m packing	8080
Accessories to KOMBIFLEX		Code
   	Pipe cutter, DN 8 to DN 20	713
	DN 8 and DN 20 clamp (3/8" + 1")	3659
	DN 12 and DN 16 clamp (1/2" + 3/4")	720
	DN 25 clamp (5/4")	7597
	Tube template rammer, DN 8 to DN 20 (3/8" - 1")	3430
	Tube template rammer, DN 25 (5/4")	7596
	Tool case (rammer, cutter, DN12+16, 8+20 clamps, 4x10 nuts - 3/8", 1/2", 3/4", 1")	3834
Asbestos-free gaskets - 2 mm thick		Code
	3/8" AFM34 nut gasket - 8.5x15 mm	5667
	1/2" AFM34 nut gasket - 11.2x18.5 mm	5553
	3/4" AFM34 nut gasket - 15x24 mm	5554
	1" AFM34 nut gasket - 18.5x30 mm	5668
	5/4" AFM34 nut gasket - 25x39 mm	6799
	6/4" AFM34 nut gasket - 34x44 mm	11584
Teflon gaskets for solar systems - 2 mm		Code
	3/8" PTFE nut gasket - 8,5 x 15 mm	9976
	1/2" and 1/2" EKO PTFE nut gasket - 11,2 x 18,5 mm	9977
	3/4" PTFE nut gasket - 15 x 24 mm	9978
	1" PTFE nut gasket - 18,5 x 30 mm	9980
	5/4" PTFE nut gasket - 25 x 39 mm	9981

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Brass hex nipples with upsized sealing surface for Kombiflex and Sicurflex		Code
	Hex nipple (male thread)	3/8" M 6972
		1/2" M 6971
		3/4" M 6970
		1" M 6969
		5/4" M 6973
	Reducing nipple (male thread)	6/4" M 7627
		1/2"x3/8" M 6968
		3/4"x1/2" M 6965
		1"x3/4" M 6967
		5/4"x3/4" M 8270
		5/4"x1" M 6966
		6/4"x1" M 8766
	Reducer (male x female thread)	6/4"x5/4" M 8767
		3/4"x1/2" M/F 6964
		1"x1/2" M/F 14307
		1"x3/4" M/F 14306
		5/4"x1/2" M/F 8564
		5/4"x1" M/F 13395
		6/4"x1" M/F 7882
	Extension (female x male thread), 20 mm long	6/4"x5/4" M/F 15820
		3/4" F/M 14304
		Extension (female x male thread), 19 mm long
	Reducing adapter (female x male thread)	3/4"x1/2" F/M 9151
		1"x3/4" F/M 13366
	T-piece (male thread)	6/4"x1" F/M 14494
		1/2" M 15175
		3/4" M 15176
	Reducing T-piece (male thread)	1" M 15177
		3/4"x1/2"x3/4" M 15178
	T-piece (female thread)	1"x3/4"x1" M 15179
		1/2" F 3206
		3/4" F 7180
		1" F 15184
		6/4" F 8757
Brass Hex Nipples, cylindrical x conical threads, enlarged sealing surface area (for gas and water)		Code
	Nipple (outer cylindrical threads with enlarged sealing area x outer conical threads)	1/2" M 15596
		3/4" M 15597
		1" M 15598
	Reducer Nipple (outer cylindrical threads with enlarged sealing area x outer conical threads)	1/2"x3/8" M 15599
		3/4"x1/2" M 15600
		1"x3/4" M 15601

EPDM insulation for heating and solar systems, resistant to UV radiat., DN_a shows the insulation hole diam. i.e. max. outer diam. of pipes (mm)

		Insulation, 13 mm thick	packed in cardboard	Code	
		Insulation DN _a 10	140 m*	6442	
		Insulation DN _a 13	120 m*	6443	
		Insulation DN _a 16	136 m*	6444	
			Insulation DN _a 18 - sold by the meter	30 m	7426
			Insulation DN _a 22 - sold by the meter	22 m	7473
			Insulation DN _a 28	78 m*	6447
			Insulation DN _a 35	58 m*	7187
		Insulation, 19 mm thick	packed in cardboard	Code	
		Insulation DN _a 15	56 m*	7053	
		Insulation DN _a 18 - sold by the meter	13 m	7346	
		Insulation DN _a 18, self-adhesive, cut lengthwise	48 m*	7189	
		Insulation DN _a 22 - sold by the meter	11 m	7347	
		Insulation DN _a 22, self-adhesive, cut lengthwise	40 m*	7190	
			Insulation DN _a 28, sold by the meter	18 m	12155
			Insulation DN _a 28, self-adhesive, cut lengthwise	36 m*	9391
		Insulation DN _a 35	32 m*	7188	
		Insulation DN _a 35, self-adhesive, cut lengthwise	32 m*	9392	
Accessories to insulation				Code	
		Aerotape insulation tape 50 mm x 10 m - 3 mm thick		6450	
		Protape insulation tape 50 mm x 25 m - 0.6 mm thick		7252	
	Insulation roll 1 m wide, 13 mm thick, packing 11 m, sold by 1 sqm			7418	
	Glue 200 g with a brush - 105 °C			12300	
	Glue 250 g with a brush - 150 °C			6452	
	Glue 700 g - 150 °C			6451	

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

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Boiler cleaning and maintenance		Code
	ALU CLEANER A+B – cleaning of Al combustion chambers in condens. boilers	13249
	Metano Therm spray, cleaning of flue gas heat exchangers (400 ml)	1977
	THERMONET bar - soot dissolving agent for solid- and liquid-fuel boilers, 200 g	16633
	ZINKALL 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	10293
	Tangit UNI-LOCK sealing yarn, 160 m	5783
Hemp		Code
	Hemp 1000 g De luxe, heavy duty packing	10289
	Kolgas-uni 400 g sealing paste for threaded and flanged connections, for use with hemp or gaskets	10279

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, 20 l tank volume .	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, 10 m head, 25 l tank volume .	7786	
	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 l tank volume .	5990	
Liquids for cleaning pumps		Code	
	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	2134	
	N-105 neutralization liquid, 10 kg plastic container, to remove residual acidity	4006	
Liquids for heating systems			
	Heating system protectors		Code
	MR 501/F protective liquid for heating systems (1 l)		434
	MR 501/P protective liquid for heating systems with plastic pipes (1 l)		4402
	Heating system cleaners		Code
	MR-501/X cleaner for heating systems, scale remover (1 l)		8781
	MR 501/R cleaner for heating systems (1 l)		433
	MR 501/D cleaning anticorrosion fluid for new heating systems (1 l)		14685
	Sealants for heating systems		Code
	STOP LEAK sealing agent for heating circuits, 1 l bottle		14624
	EPOSTIX Two-part epoxy putty, 50 g, for sealing leaks and holes in pipes		10281

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Antifreeze fluid for Regulus solar collectors										
   	<p>» SOLARTEN SUPER - fluid based on mono propylene glycol. Extended warranty for Regulus flat plate collectors is valid only when this fluid is used.</p>	Code								
	Solarten super, 5 l container	10109								
	Solarten super, 10 l container	10110								
	Solarten super, 25 l container	10069								
	Solarten super, 60 l container	10111								
	Solarten super, 200 l barrel	x 10112								
 	<p>» SOLARTEN HT 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.</p>	Code								
	Solarten HT, 5 l container	14951								
	Solarten HT, 10 l container	14095								
	Solarten HT, 25 l container	14096								
	Solarten HT, 60 l container	14952								
	Solarten HT, 200 l barrel	x 14953								
Antifreeze fluids for heating and cooling systems, incl. heat pump primary circuits										
 	<p>CONVECT heat R 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 (200 l barrel upon order only)</p>	<table border="1"> <tr> <th>Pack.</th> <th>Code</th> </tr> <tr> <td>5 l</td> <td>11430</td> </tr> <tr> <td>25 l</td> <td>10769</td> </tr> <tr> <td>200 l</td> <td>11493</td> </tr> </table>	Pack.	Code	5 l	11430	25 l	10769	200 l	11493
	Pack.	Code								
	5 l	11430								
25 l	10769									
200 l	11493									
Accessories for handling antifreeze fluid										
    	<p>Refractometer - for measurements of antifreeze fluid properties in solar systems</p>	6933								
	<p>Manual filling pump to replenish solar thermal systems with solar fluid and fill heating systems with cleaning and protective chemicals</p>	15111								
	<p>Manual filling pump with 600 ml container and conn. nipples - to fill fluid into solar thermal systems and cleaning/protective chemicals to heating systems</p>	15054								
	<p>Electric filling pump for filling solar systems from a 25l jerry can, DIN61 connection</p>	9688								
	<p>Filling push cart for solar systems, 1.1 kW power input. Max. volume flow 60 l/min., max. working pressure 5 bar</p>	9561								

x - on 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	8221
	Set of 60/100 horizontal flue pipe + elbow	A20011116	8516
	Set of 60/100 horizontal flue pipe and terminal, Al/Fe	A20011107	8223
	1 m Extension, Al/Fe	A2007002	7636
	1 m Extension, Al/Al	A20011114	4115
	0.25 m Extension, Al/Fe	A2007000	9594
	0.5 m Extension, Al/Al	A20011113	4116
	0.5 m Extension, Al/Fe	A2007001	1888
	Pipe with inspection hole, 0.33 m long	A2001609	8433
	90° Elbow with upsized flange and inspection hole	A2007065	14311
	90° Elbow with upsized flange and tap holes	A20011096	8222
	90° Elbow with tap holes, flanged	A2001879	7486
	90° Elbow with upsized rotating plastic flange, with tap holes	A20011114	8515
	90° Elbow, Al/Fe	A2001699	7478
	90° Elbow, cast aluminum	A2001844	2078
	90° Elbow, Al/Fe, inspection hole	A2001839	8431
	45° Elbow, Al/Fe	A20011289	9092

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Concentric flue ducts, 60/100 diam., slide-on version, A2-white varnish			Code
	Condensate discharge section, horizontal	A2001142	5429
	Condensate discharge section, vertical	A2001244	4663
	Upsized flange with tap holes and condensate discharge	A20011097	8224
	Upsized rotating plastic flange with tap holes and condensate discharge	A20011113	8460
	Flanged section with tap holes	A2001755	1057
	Boiler coupling, with clamp, tap holes and condensate discharge	A20011127	8225
	Spigot coupling, Al/Al	A2001122	2161
	Clamp and sleeve	A2015017	5911
	Sealing O-ring, diam. 60 mm, 2 lips	A1013176	1851
	Sealing O-ring, diam. 100 mm, 2 lips, grey silicone - intake only	A1015165	6434
	Inner wall sealing collar	A1015078	1081
	Outer wall sealing collar	A1015082	1184
	Termination diam. 60/100, intake/exhaust, conical	A1001504	3217
	Flue terminal, connection 60/100, out 125 mm	A5021000	305
	Flue terminal, connection 60/100, out 100 mm	A5023061	5752
	Chimney reducer 125/100	A5025005	3137

Roof flashings and other common accessories now on page 108.

Concentric flue ducts, 80/125 diam., slide-on version, A2-white varnish			Code
	1 m Extension, Al/Fe	A2009018	1698
	0.5 m Extension, Al/Fe	A2009017	7002
	Section with inspection hole, 0.31 m long	A2005149	8434
	90° Elbow	A2005203	5583
	90° Elbow with inspection hole	A2005120	8432
	45° Elbow	A2005019	6007
	Section for condensate discharge, horizontal	A2005035	6008
	Reducing couple, diam. 60/100-80/125, F-M, Al/Al	A2005037	6009
	Sleeve and clamp	A2018010	995
	Flange, diam. 60/100 x 80/125, with tap holes and condensate discharge	A2005006	6006
	Sealing ring, diam. 80, 2 lips, red	A1011905	1448
	Sealing O-ring, diam. 125 mm, 2 lips, grey silicone - intake only	A1018041	6462
	Sealing collar, inner (outer)	A1018027	3776
	Vertical concentric flue terminal, diam. 80/125 mm	A5021001	175
	Vertical concentric flue terminal, diam. 80/125 mm, anti-condensing	A5023183	11795

Roof flashings and other common accessories now on page 108.

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Twin flue ducts, diam. 80, A2-white varnish			Code
	0.25 m Extension	A2011030	9599
	0.5 m Extension	A2011017	1991
	1 m Extension	A2011004	1990
	1 m Extension, 1.5 mm thick	A2011039	4119
	2 m Extension	A2011120	8784
	Section with inspection hole, 0.31 m long	A2011666	2008
	Chimney spacer, stainless steel	A1012005	1961
	Chimney bracket, stainless steel	A1012006	2189
	Flue pipe with stainless steel termination, 1 m	A2011008	2100
	Flue pipe with stainless steel term., 1 m, 1.5 mm thick	A2011526	4118
	Flue pipe with stainless steel termination, 0.5 m	A2011026	2099
	Intake pipe with plastic termination, 1 m	A2011012	2101
	90° Elbow	A2011712	2096
	90° Elbow with tap hole	A2011657	7304
	90° Elbow with inspection hole	A2011684	2009
	45° Elbow	A2011131	2095
	T-piece, diam. 80, with condensate discharge - for chimney	A2012053	2191
	Chimney support bracket for T-piece	A5012034	8202
	Reducing piece inner diam. 57 to inner diam. 80	A2011314	7307
	Section with condensate discharge, vertical	A2011082	3691
	Section with condensate discharge, horizontal	A2011198	2197
	Sleeve and clamp	A2011151	2158

Twin flue ducts, diam. 80, A2-white varnish			Code
	Twin flue adaptor kit with tap holes, screw connection	A2011097	2098
	Twin flue adaptor kit with upsized rotating flange and tap holes (DAGAS)	A2011040	7474
	Flange diam. 60/100 for indoor air intake x diam. 80 out	A2001108	4679
	Sealing ring, diam. 80, 2 lips, red	A1011905	1448
	Sealing O-ring, diam. 80 mm, 3 lips, for elbows 2095,2096	A1011889	9699
	Inner wall sealing collar	A1011403	1020
	Outer wall sealing collar	A1011408	1021
	Termination, diam. 80, exhaust, stainless steel	A1011902	4754
	Termination, diam. 80, exhaust only	A5023012	8167
	Air/Flue chimney 2x80 mm, diam. 125 mm	A5021002	3777
	1x 80 mm Chimney for exhaust, diam. 125 mm	A5021003	1303
	1x 80 mm Chimney for exhaust, diam. 125 mm, with flashing	A5023158	10502
	Chimney reducer 125/80	A5025004	4113
	Chimney reducer 125/2x80	A5025006	3136

Roof flashings and other common accessories now on page 108.

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Single flue ducts, diam. 60, 1.5 mm thick		Code
	A1013027 1 m Extension	2193
	A1013002 90° Elbow	2093
	A1013004 Coupler	1573
	A2013017 Condensate discharge section, horizontal	2198
Single flue ducts, diam. 100, 1,5 mm thick		Code
	A2015006 1 m Extension	2092
	A2015003 0.5 m Extension	2090
	A2015011 90° Elbow	2088
	A2015061 Flange with tap hole	7120
	A2015000 Flange for boiler	67
	A1015064 Sealing O-ring, diam. 100 mm, 2 lips	1852
Concentric flue ducts, diam. 60/100, outer pipe plast, inner AL		Code
	BB002002 pipe with plastic conical termination	K 3213
	BB002023 thru-wall section, 60/100, PVC	203
	BB002052 1 m Extension, inner pipe 1.5 mm thick	K 3404
	BB002007 0.5 m Extension	2138
	BB002009 90° Elbow, flanged	K 711
	BB002005 45° Elbow	2021

K - inner pipe 1.5 mm thick

 REGOFLEX Flexible Flue Gas System for condensing boilers, diam. 80			Code
	REGOFLEX Flexible PP Flue Pipe, diam. 80 – sold by the meter, with mark every 1 meter	REG16666	16666
	REGOFLEX Flexible PP Flue Pipe, diam. 80 – 20m	BB011515	16115
	REGOFLEX Flexible PP Flue Pipe, diam. 80 – sold by the meter (80 m max.)	BB011524	16062
	REGOFLEX Chimney Kit, diam. 80 - 60/100 (chimney cowl 15836, chimney elbow 17229 and 5 chimney spacers 7419)	REG17243	17243
	REGOFLEX Chimney Kit, diam. 80 - 80/125 (chimney cowl 15836, chimney elbow 16817 and 5 chimney spacers 7419)	REG16904	16904
	REGOFLEX Chimney Kit, diam. 80 (chimney cowl 15836, elbow 11954 and 5 chimney spacers 7419)	REG16176	16176
	REGOFLEX Chimney Elbow, diam. 80/60 incl. chimney plate with 60/100 transition	A1012248	17229
	REGOFLEX Chimney Elbow, diam. 80 incl. chimney plate with 80/125 transition	A1012243	16817
	Chimney elbow, diam. 80 + its support bracket	A1012121	11954
	Chimney spacer for flexible ducts only	BN011091	7419
	Flue pipe section with round inspection hole	BB011094	11511
	Termination Kit for flexible ducts - 1 socket and 1 flue pipe diam. 80	BB011521	15441
	Chimney Cowl w. chimney plate (35x35 cm) incl. termination kit for flexible duct	A5025058	15836
	Sealing O-ring for Regoflex flexible flue gas system	A10111192	15952

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REGOFLEX		REGOFLEX Flexible Flue Gas System for condensing boilers, diam. 60		Code
	Regoflex Flexible PP Flue Pipe – 20m	BB004241	16114	
	Regoflex Flexible PP Flue Pipe – sold by the meter (50 m max.)	BB004243	16058	
	REGOFLEX Chimney Kit (chimney cowl, elbow and chimney spacers)	REG16543	16543	
	Chimney spacer for flexible ducts only	BN004072	15428	
	Termination Kit for flexible ducts - 1 socket and 1 flue pipe	BB004240	15440	
	Chimney Cowl w. chimney plate (35x35 cm) incl. termination kit for flexible duct	A5025057	15835	
	Sealing O-ring for Regoflex flexible flue gas system	A1013355	15951	
	Chimney elbow + its support bracket	A1012120	12108	
REGOFLEX Flexible Flue Gas System for condensing boilers, diam. 100			Code	
	Regoflex Flexible PP Flue Pipe – 20m	BB005189	16116	
	Regoflex Flexible PP Flue Pipe – sold by the meter (50 m max.)	BB005191	16063	
	REGOFLEX Chimney Kit (chimney cowl, elbow and chimney spacers)	REG16840	16840	
	Chimney spacer for flexible ducts only	BN005024	7001	
	Termination Kit for flexible ducts - 1 socket and 1 flue pipe	BB005193	15442	
	Chimney Cowl w. chimney plate (35x35 cm) incl. termination kit for flexible duct	A5025059	15837	
	Sealing O-ring for Regoflex flexible flue gas system	A1015322	15953	
	Chimney elbow + its support bracket	A1012145	12409	
	Flue pipe section with round inspection hole	BB005129	14988	
REGOFLEX Flexible Flue Gas System for condensing boilers, diam. 125			Code	
	REGOFLEX Flexible PP Flue Pipe – 20m	BB015115	16117	
	REGOFLEX Chimney Kit (chimney cowl, elbow and chimney spacers)	REG16841	16841	
	Chimney spacer for flexible ducts only	PPFR60	8869	
	Termination Kit for flexible ducts - 1 socket and 1 flue pipe	BB015116	15443	
	Chimney Cowl w. chimney plate (35x35 cm) incl. termination kit for flexible duct	A5025060	15838	
	Sealing O-ring for Regoflex flexible flue gas system	A1018098	15954	
	Chimney elbow + its support bracket	A1012169	14546	

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	4677
	0.25 m Extension	A2008205	9595
	0.5 m Extension	A2008206	9596
	1 m Extension	A2008207	9597
	2 m Extension	A2008147	8514
	Section with inspection hole, 0.31m long	A2002162	13835
	90° Elbow with flange	A2002025	6384
	90° Elbow with flange and tap holes, rotating	A2008164	7216
	90° Elbow	A2008163	6653
	90° Elbow with inspection hole	A2008182	12756
	45° Elbow	A2002160	6140
	Flanged section with tap holes	A2002007	4673
	Boiler coupling with tap holes	A2002091	7807
	Inner wall sealing collar	A1015160	1081
	Outer wall sealing collar	A1015082	1184
	Sealing O-ring, diam. 100 mm, 2 lips, grey silicone - intake only	A1015165	6434
	Termination diam. 60/100, intake/exhaust, conical	BB002098	14692
	Vertical Concentric Flue Terminal, 60/100, diam. 125 out, black	A5023165	11253
	Vertical Concentric Flue Terminal, 60/100, diam. 125 out, red	A6023165	11254

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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	7003
	0.25 m Extension	A2010038	9598
	0.5 m Extension	A2010057	4675
	1 m Extension	A2010058	7004
	2 m Extension	A2010059	8513
	Section with inspection hole	A2006086	11265
	90° Elbow	A2006105	4676
	90° Elbow, with tap holes	A2006108	7649
	90° Elbow, with inspection hole	A2006107	7648
	45° Elbow	A2006106	6432
	Boiler adapter, with tap holes, 60/100 - 80/125	A2006069	7806
	Boiler adapter, with sleeve clamp, 60/100 - 80/125	A2006070	7808
	Flanged adapter, diam. 60/100 - 80/125, with tap holes	A2006010	4678
	Flanged adapter, diam. 80/105 - 80/125, with tap holes	A2006107	7468
	Inner/outer wall sealing collar	A1018027	3776
	Sealing O-ring, diam. 125 mm, 2 lips, with protrusions - intake only	A1018071	10601
	Sealing O-ring, diam.125 mm, 2 lips, grey silicone - intake only	A1018041	6462
	Vertical Concentric Flue Terminal, 80/125, black	A5023166	11255
	Vertical Concentric Flue Terminal, 80/125, red	A6023166	11256

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Coaxial Flue Pipes, diam. 60/100 PP/PP for condensing boilers			Code
	Horizontal flue terminal, plastic termination	BB012106	14613
	0.25 m Extension	BB012092	14609
	0.5 m Extension	BB012009	14610
	1 m Extension	BB012010	14611
	2 m Extension	BB012105	14612
	Section with inspection hole, 0.31m long	BB012107	14616
	90° Elbow	BB012095	14608
	90° Elbow with inspection hole	BB012099	14615
	45° Elbow	BB012097	14607
Flue ducts, diam. 80/125 PP, for condensing boilers			Code
	Horizontal flue pipe, plastic termination	BB013042	14666
	0.5 m Extension	BB013039	14661
	1 m Extension	BB013040	14662
	2 m Extension	BB013041	14663
	Section with inspection hole, 0.31m long	BB013046	17007
	90° Elbow	BB013045	14665
	90° Elbow with inspection hole	BB013043	17008
	45° Elbow	BB013044	14664

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Flue ducts, diam. 60, for condensing boilers, polypropylene			Code
	0.5 m Extension	BB004157	8813
	1 m Extension	BB004156	8814
	2 m Extension	BB004155	11251
	0.5 m Extension, UV resistant	BN004157	14561
	1 m Extension, UV resistant	BN004156	14562
	2 m Extension, UV resistant	BN004155	14563
	Chimney T-piece, M-M-F	BB004007	8807
	Plug with condensate trap, for T-piece	BB004010	8811
	Chimney support bracket for T-piece	A5012034	8202
	90° Chimney elbow + its support bracket	A1012120	12108
	90° Elbow	BB004153	8815
	45° Elbow	BB004154	8816
	Reducing coupler, diam. 60/80 M/F, l=134 mm	BB011012	7943
	Reducing coupler, diam. 60/80 M/F, asymmetric, for horizontal installation	BB011519	16023
	Reducing piece, diam. 80/60 M/F, PP	BB011084	7470
	Chimney Locking Band, wire	A1013314	15444
	Chimney Spacer, for rigid pipes only	BN004187	15418
	Sealing O-ring, 2 lips, for flexible extension	A1013310	9058
	Sealing ring, diam. 60, 3 blades	A1013020	4671
	Sealing O-ring, diam. 60, 3 lips, with protrusions	A1013184	4672
	Chimney Cowl with 35x35cm chimney plate, incl. locking band, for rigid pipes	A5025063	16127

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Flue ducts, diam. 80, for condensing boilers, polypropylene			Code
	Horizontal flue terminal, 1 m, exhaust	BB011017	6144
	Horizontal air intake with termination, 0.94 m	BB011016	6435
	0.11 m Extension	BB011136	7469
	0.25 m Extension	BB011004	9600
	0.5 m Extension	BB011005	4666
	1 m Extension	BB011006	6141
	2 m Extension	BB011061	7885
	0.5m Extension, UV resistant	BN011005	13902
	1m Extension, UV resistant	BN011006	13903
	2m Extension, UV resistant	BN011061	13904
	Flue pipe section with round inspection hole	BB011094	11511
	Chimney T-piece, M-M-F	BB011093	7424
	Plug with condensate trap, for T-piece	A1012064	7425
	Chimney support bracket for T-piece	A5012034	8202
	Chimney T-piece with plug and support bracket	A1012097	11955
	Chimney elbow + its support bracket	A1012121	11954
	90° Chimney elbow + its metal support bracket	A5012123	8201
	Twin flue adaptor, 80/125 in	BB011265	12110
	Twin flue adaptor with sleeve clamp, 60/100 in, O-rings	BB011475	12111
	Twin flue adaptor with tap holes, 60/100 in, O-rings	BB011474	12109
	Flange diam. 60/100-80, with indoor air intake	A2002044	7471
	Boiler flanges, diam. 80, air+flue, set	BB011053	6383

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Flue ducts, diam. 80, for condensing boilers, polypropylene			Code
	90° Elbow	BB011371	6143
	90° Elbow, with tap hole	BB011373	7652
	90° Elbow, with inspection hole	BB011374	12755
	45° Elbow	BB011372	6142
	Reducing coupler, diam. 80/60 M/F, l=134 mm	BB011012	7943
	Reducing coupler, diam. 60/80 M/F, asymmetric, for horizontal installation	BB011519	16023
	Reducing coupler, diam. 680/100 M/F, asymmetric, for horizontal installation	BB005195	16034
	Reducing piece, diam. 80/60 M/F, PP	BB011084	7470
	Chimney spacer	A1012005	1961
	Chimney bracket, stainless steel	A1012006	2189
	Chimney Locking Band, wire	A1011133	15421
	Chimney spacer for rigid pipes only	BN011385	15419
	Inner wall sealing collar	A1011403	1020
	Outer wall sealing collar	A1011408	1021
	Sealing ring, diam. 80, 1 lip	MGN08014	13047
	Sealing O-ring, 3 lips	A1011883	7449
	Sealing ring, diam. 80, 3 lips, with protrusions	A1011501	4668
	Termination, diam. 80, exhaust, stainless steel	A1011902	4754
	Termination, diam. 80, exhaust only	A5023138	14693
	Chimney Cowl with 35x35cm chimney plate, incl. locking band, for rigid pipes	A5025064	16128
	Flue terminal 2x80, outer diam. 125 mm	A5023167	11257
	Flue terminal 1x80, outer diam. 125 mm	A5023168	11258
	1x 80 mm flue terminal, diam. 125 mm, with flashing (50x50xcm)	A5023169	11259

Roof flashings and other common accessories now on page 108.

Almeva Flue ducts, diam. 80, for condensing boilers, polypropylene, bulk package			Code
	0.25 m Extension	PPRM08	8654
	0.5 m Extension	PPRM58	8547
	1 m Extension	PPRM18	8548
	2 m Extension	PPRM28	8549
	Section with inspection hole	PPRTD8	8550
	90° Elbow	PPSB98	8567
	45° Elbow	PPSB48	8566
	90° Elbow with inspection hole	PPRB98	8551
	45° Elbow with inspection hole	PPRB98	8659
	90° Chimney elbow + its support bracket	PPTU08	8554
	Round gasket, black, diam. 80, for PPH-A only	ZUMD08	8810
	Chimney spacer (6 segments in pack – no. of segments per diam: 3x 60mm, 4x 80mm, 5x 100mm, 6x 125mm)	PPFR60	8869
	Grate with opening, diam. 80	ZUBL08	8579
	Termin. pipe 80 mm diam., l=500, UV resistant, PPH-A	PPRS58	11302
	Chimney termination, diam. 80 mm	PPSAS8	8555
	Intake termination, black, diam. 80-100 mm	ZUAV52	12120

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Flue ducts, diam. 100 PP, for condensing boilers, polypropylene			Code
	Flue pipe with termination	BB005034	7121
	0.5 m Extension	BB005019	8211
	1 m Extension	BB005020	8212
	1 m Extension, UV resistant	BN005020	15405
	Flue pipe section with round inspection hole	BB005129	14988
	90° Chimney elbow + its support bracket	A1012145	12409
	Chimney T-piece, M-M-F	BB005022	8214
	Plug with condensate trap, for T-piece	BB005028	7005
	Chimney support bracket for T-piece	A5012034	8202
	Chimney Locking Band, wire	A1015294	15422
	Chimney spacer for flexible ducts only	BN005024	7001
	Chimney spacer for rigid pipes only	BN005143	15420
	90° Elbow	BB005018	8210
	90° Elbow with inspection hole	BB005073	12472
	45° Elbow	BB005017	8209
	Reducing coupler, diam. 80/100 M/F, l = 120 mm	BB005029	8441
	Reducing coupler, diam. 80/100 M/F, asymmetric, for horizontal installation	BB005195	16034
	Reducing coupler, diam. 100/125 M/F, asymmetric, for horizontal installation	BB015118	16035
	Sealing O-ring, 2 lips, for flexible extension	A1015200	9616
	Sealing ring, diam. 100, 3 blades, with protrusions	A1015208	9615
	Chimney Cowl with 35x35cm chimney plate, incl. locking band, for rigid pipes	A5025065	16129
	Vertical Exhaust Flue Terminal, diam. 100, for roof tile with 100 mm opening	A5023177	12410

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Flue ducts, diam. 125 PP, for condensing boilers, polypropylene			Code
	0.5 m Extension	BB015005	9683
	1 m Extension	BB015001	9684
	2 m Extension	BB015014	14547
	1 m Extension, UV resistant	BN015001	15406
	Elbow diam. 125, 45°, PP	BB015006	9672
	Elbow diam. 125, 90°, PP	BB015000	9671
	90° Elbow with inspection hole	BB015037	14553
	90° Elbow incl. chimney support	A1012169	14546
	Chimney T-piece, MMF	BB015018	14548
	T-piece lid for condensate discharge	BB015041	14574
	Chimney support bracket for T-piece	A5012034	8202
	Reducing coupler, diam. 100/125 MF	BB015032	14550
	Reducing coupler, diam. 100/125 M/F, asymmetric, for horizontal installation	BB015118	16035
	Reducing coupler, diam. 125/160 M/F, asymmetric, for horizontal installation	BB016072	16024
	Chimney Locking Band, wire	A1018086	15423
	Sealing O-ring, 2 lips	A1018063	14604
	Sealing O-ring, 3 lips with protrusions	A1018064	14605
	Extension for cascades diam. 125, 45° wye and elbow diam. 100, PP	BB015010	9675
	Insert - adapter diam. 80/100 for cascades, 3-piece set incl. non-return flap, PP	BB005065	9682
	Non return flap, diam. 80, for boiler series	BB011377	14567
	Lid for diam. 125 for cascades, condensate discharge and plug	BB015015	10218
	Chimney Cowl with 35x35cm chimney plate, incl. locking band, for rigid pipes	A5025066	16130

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Cascades diam. 160mm, PP for cond. Boilers			Code
	Extension for cascades ø 160, 45° wye and elbow diam. 100, PP	BB016052	9676
	Insert - adapter diam. 80/100 for cascades, 3-piece set incl. non-return flap, PP	BB005065	9682
	Extension diam. 160, l=1000, PP	BB016001	9686
	Extension diam. 160, l=500, PP	BB016005	9685
	90° elbow, diam. 160 - PP	BB016017	9673
	45° elbow, diam. 160 - PP	BB016018	9674
	Reducing coupler, diam. 125/160 M/F, asymmetric, for horizontal installation	BB016072	16024
	Non return flap, diam. 80, for boiler series	BB011377	14567
	Lid for cascades, diam. 160, condensate discharge and plug	BB016020	10219
	Condensate siphon, with floater, incl. hose	B1003070	9689
	Sealing gasket diam. 160, 2 blades, black - PP	B1016016	12778

Stainless-steel outdoor ducts, 80/125 mm, PP for cond.boilers			Code
	Extension diam. 80/125, l = 1000 mm, PPH-A/Inox	APRB18	8641
	Extension diam. 80/125, l = 500 mm, PPH-A/Inox	APRB58	8640
	Extension diam. 80/125, l = 250 mm, PPH-A/Inox	APRB08	8639
	Socket for cut ducts, diam. 80/125	APMKB8	9382
	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	9381
	45° elbow diam. 80/125, PPH-A/Inox	APBB48	8643
	T-piece diam. 80/125 with inspection, PPH-A/Inox	APRTB8	8642
	90° Chimney elbow, diam. 80/125, with aspiration, PPH-A/Inox + its support bracket	APWKB8	8645
	90° Chimney elbow diam. 80/125, PPH-A/Inox with 0.5 m extension	APSBB8	15209
	Wall bracket (8645) extension, 50-150 mm	APW1B8	8669
	Wall bracket (8645) extension, 150-235 mm	APW2B8	8670
	Wall bracket (8645) extension, 230-330 mm	APW3B8	8694
	Bracket for pipe 80/125, PPH-A/Inox	APWHB8	8668
	Extension for bracket 8668	APVUBU	8649
	Thru-wall pipe extension, 80/125, l = 400 mm, PPH-A/Inox	APWDB8	9457
	Termination diam. 80/125, PPH-A/Inox, for code 8647	APMSB8	8648
	Chimney diam. 81/125, no termination, PPH-A/Inox	APDA48	8647

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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		13899
	Spare cartridge for neutralization filter		13898
	Condensate Neutralization Box – for hose diam. 38 mm, incl. filling		14432
	Condensate Neutralization Box – for hose diam. 38 mm, incl. filling - incl. condensate discharge pump to 3.5m elevation max.		14506
	Neutralization Box Refill		12490
	Plavis 013-C Condensate Pump		16112
	Condensate siphon with ball float	B1003057	6123
	Condensate hose, for T-piece, 1.5 m	A1050012	8204
	Silicon paste 250 g	SCIVTU0250	10280
	Chimney door, for diam. 60, 80, 100, 125 mm	A2012233	15849
	Pitched-roof flashing, malleable Al sheet, diam. 125 mm, black, 18°- 44°	A5025036	8014
	Pitched-roof flashing, malleable Al sheet, diam. 125 mm, red, 18°- 44°	A6025036	10489
	Flat-roof flashing, diam. 125 mm	A5025001	363
	Flange diam. 100 for boiler, upsized, plastic, alone	BB005035	8459
	Gasket for plastic flange, 100 mm diam.	GNE10011	10067
	Gasket for upsized flange, 100 mm diam.	GNE10019	10071
	Gasket for boiler flange, diam. 100 mm	A1015089	783

For detailed information, ask for our flue duct catalogue.

