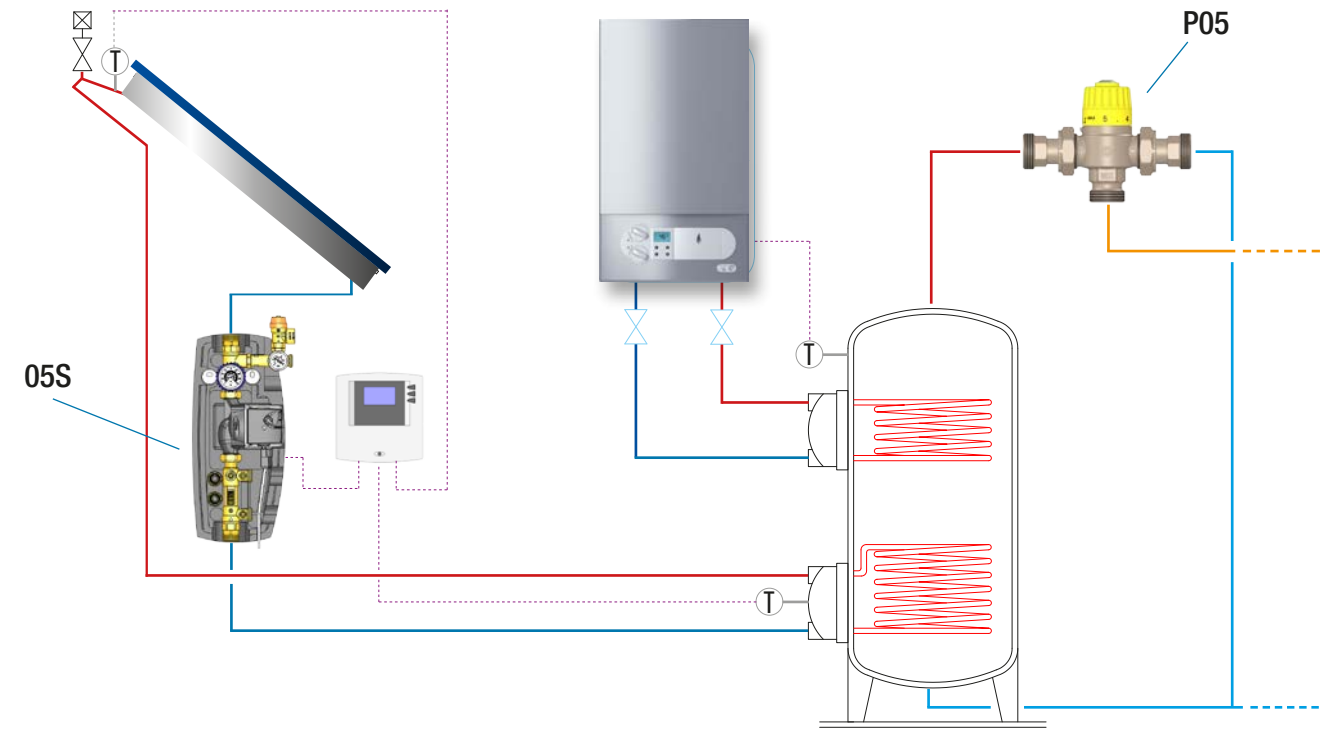
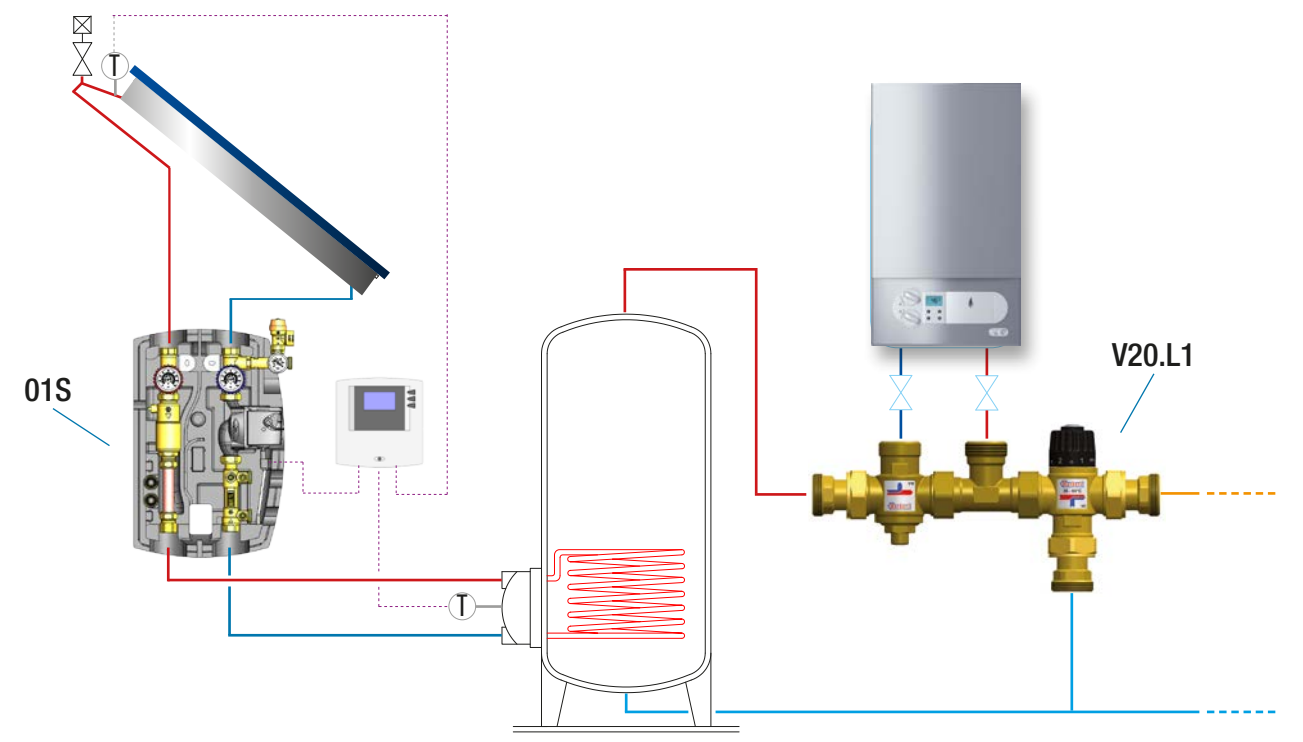


# SOLAR SYSTEM COMPONENTS

- Trolli Solar pump stations
- Flow regulators
- Solar controllers



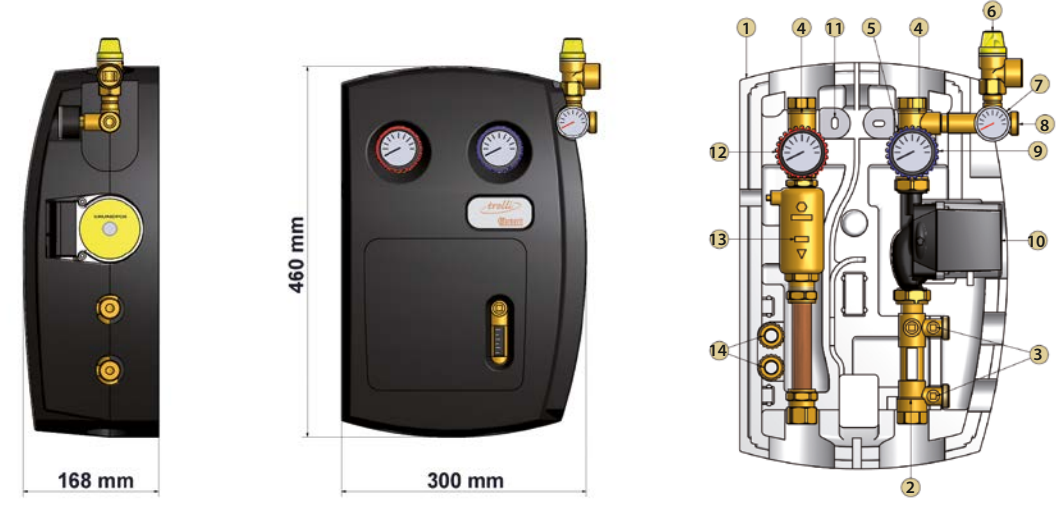
Complete range of articles dedicated to thermal solar division: thermal solar pump stations, flowmeters, controllers, thermostatic valves, expansion vessels and all the accessories



# SOLAR SYSTEM COMPONENTS

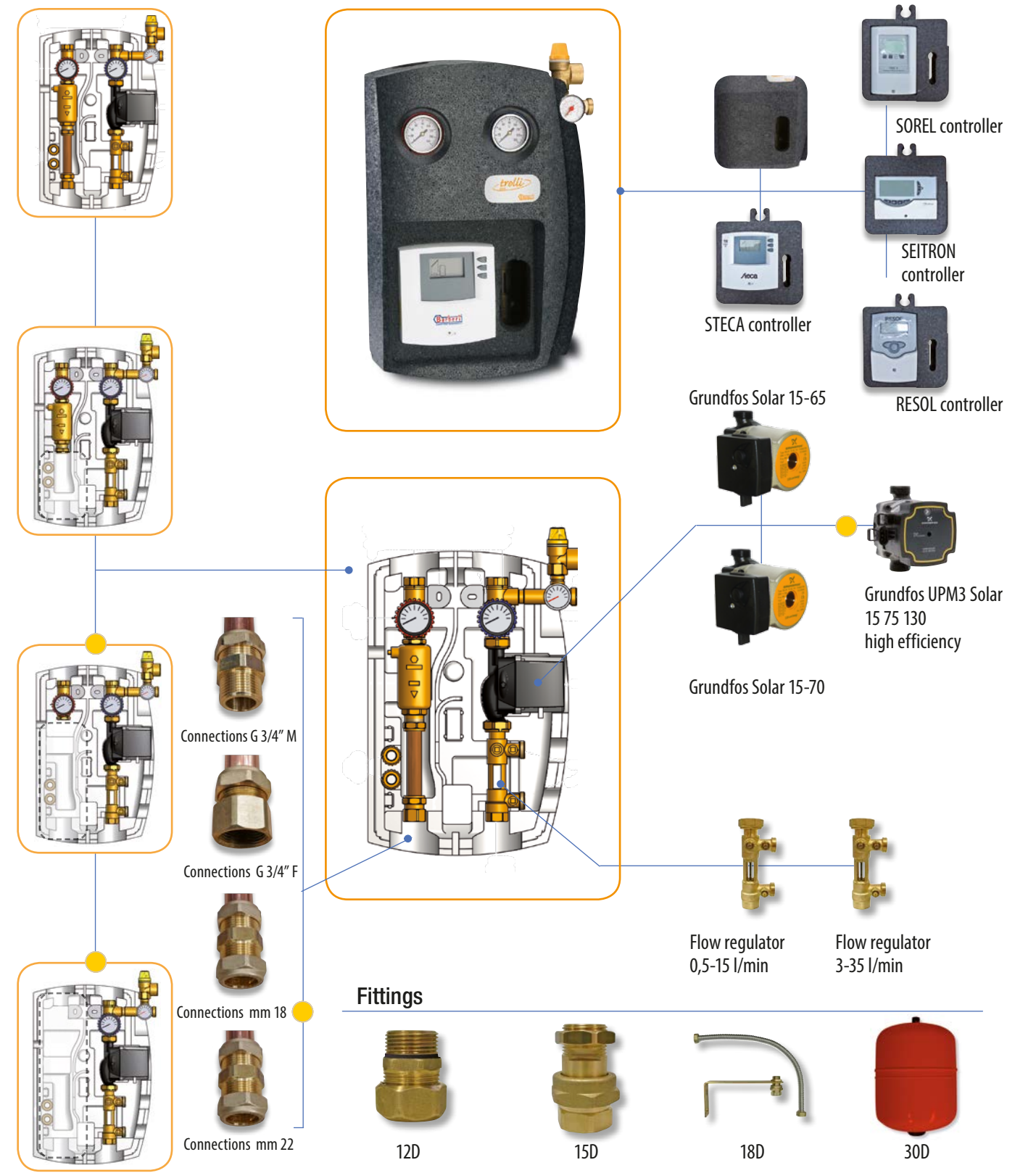


The trolli and trolli plus thermal solar pumping groups for thermal solar systems are used in the primary circuit of the forced thermal solar system to bring the hot fluid from solar panel to cylinder. The pumping group is composed by: flowmeter to measure and adjust the flow and to fill-in/flush the system, pump, supply and return ball valves with anti-thermosiphonic check insert and integrated temperature gauges, safety group with safety valve, pressure gauge and expansion vessel connection, manual de-aerator.

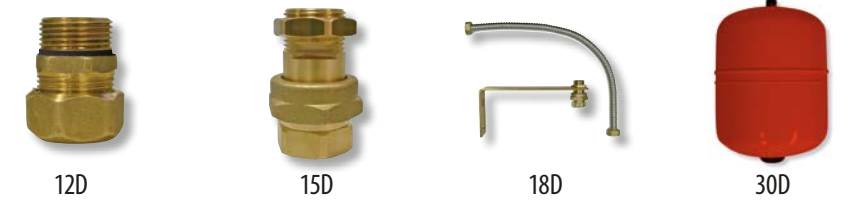


Dimensions and components

- |   |   |
|---|---|
| 1) EPP insulation box                                 | 8) Expansion Vessel connection                        |
| 2) Manual flow regulator                              | 9) Check valve drain                                  |
| 3) Fill & discharge valves                            | 10) Pump  |
| 4) Shut-off & check valve monobloc                    | 11) Bracket   |
| 5) Blue-handle with integrated thermometer (0-160 °C) | 12) Red Handle with integrated thermometer (0-160 °C) |
| 6) Safety valve for solar circuits                    | 13) Manual de-aerator                                 |
| 7) Pressure Gauge (0-10 bar)                          | 14) Hose connection                                   |



### Fittings



● Options on request when ordering



# SOLAR SYSTEM COMPONENTS

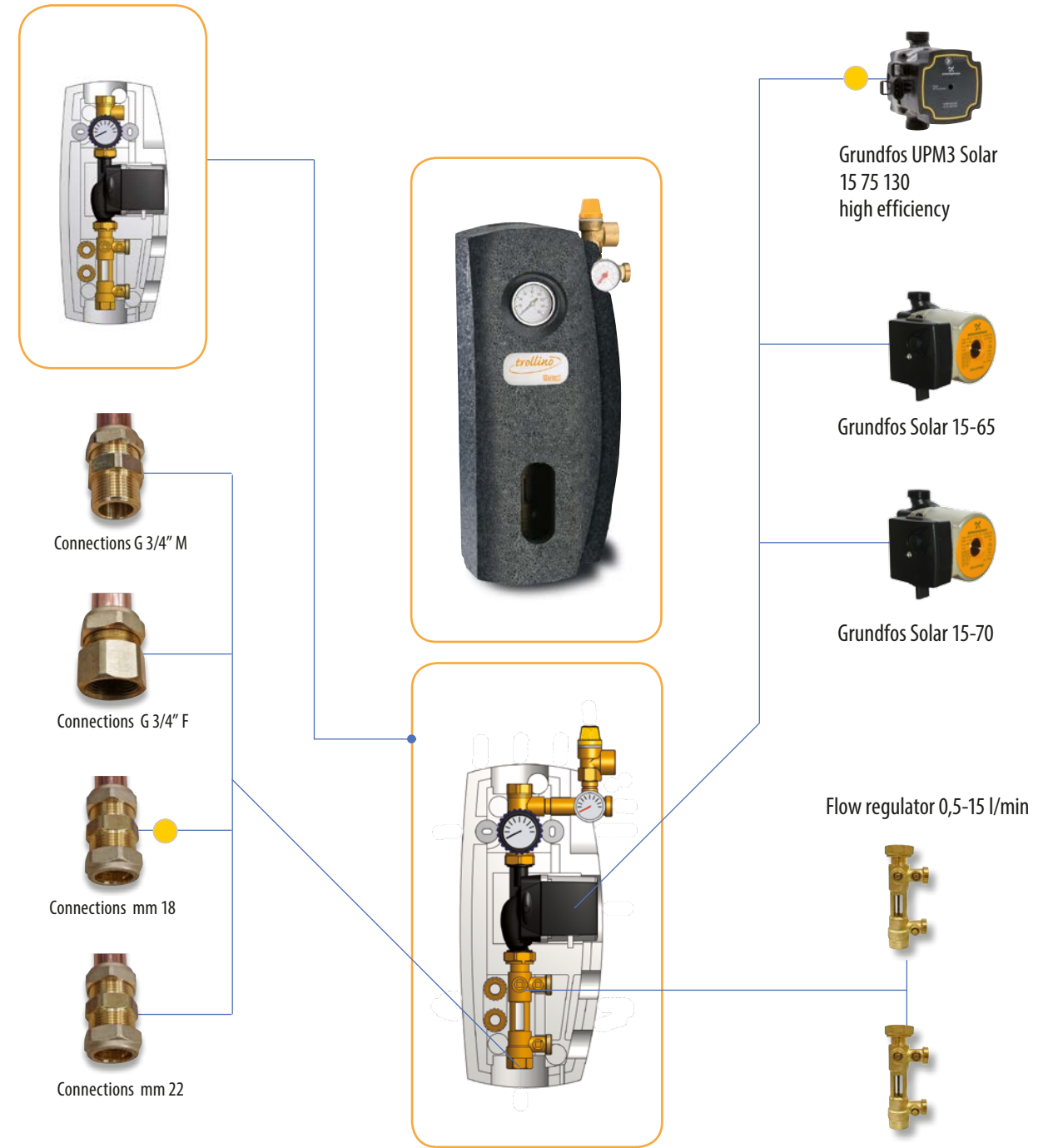


The **Trollino** thermal solar pumping groups for thermal solar systems are installed in the primary circuit of the forced thermal solar system to bring the hot fluid from solar panel to cylinder. The pumping group is composed by: flowmeter to measure and adjust the flow and to fill-in/flush the system, pump, return ball valve with anti-thermosiphonic check insert and integrated temperature gauges, safety group with safety valve, pressure gauge and expansion vessel connection.

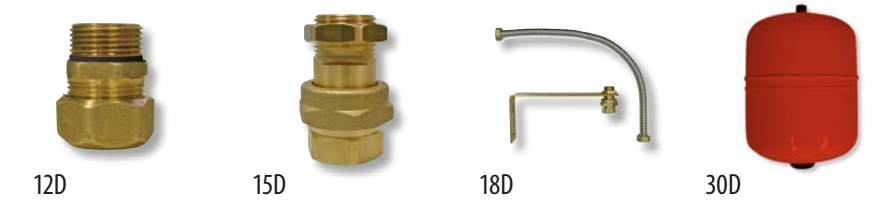


Dimensions and components

- 1) EPP insulation box
- 2) Manual flow regulator
- 3) Fill & discharge valves
- 4) Shut-off & check valve monobloc
- 5) Blue-handle with integrated thermometer (0-160 °C)
- 6) Safety valve for solar circuits
- 7) Pressure Gauge (0-10 bar)
- 8) Expansion Vessel connection
- 9) Check valve drain
- 10) Pump
- 11) Bracket
- 12) Hose connection



### Fittings



● Options on request when ordering

Grundfos UPM3 Solar  
15 75 130  
high efficiency

Grundfos Solar 15-65

Grundfos Solar 15-70

Flow regulator 0,5-15 l/min

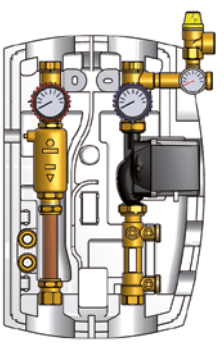
Flow regulator 3-35 l/min

## 01S

Solar pump station. Return and supply with copper pipe

Max working temperature	110 °C
Safety valve setting	6bar

cod.	size	pump	l/min	control	P [bar]	NPC	€
01S 020 0AU	G3/4" F - G3/4" F	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	X	6	1	
01S 020 0AG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	0.5 - 15	X	6	1	
01S 020 0AA	G3/4" F - G3/4" F	GRUNDFOS Solar 15-70 130	0.5 - 15	X	6	1	
01S 020 0BU	G3/4" F - G3/4" F	GRUNDFOS UPM3 Solar 15-75 130	3 - 35	X	6	1	
01S 020 0BG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	3 - 35	X	6	1	
01S 020 0BA	G3/4" F - G3/4" F	GRUNDFOS Solar 15-70 130	3 - 35	X	6	1	
01S 020 0AU M ●	G3/4" M - G3/4" M	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	X	6	1	
01S 020 0AG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	0.5 - 15	X	6	1	
01S 020 0AA M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-70 130	0.5 - 15	X	6	1	
01S 020 0BU M ●	G3/4" M - G3/4" M	GRUNDFOS UPM3 Solar 15-75 130	3 - 35	X	6	1	
01S 020 0BG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	3 - 35	X	6	1	
01S 020 0BA M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-70 130	3 - 35	X	6	1	
01S 022 0AU	mm22 - mm22	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	X	6	1	
01S 022 0AG	mm22 - mm22	GRUNDFOS Solar 15-65 130	0.5 - 15	X	6	1	
01S 022 0AA	mm22 - mm22	GRUNDFOS Solar 15-70 130	0.5 - 15	X	6	1	
01S 022 0BU	mm22 - mm22	GRUNDFOS UPM3 Solar 15-75 130	3 - 35	X	6	1	
01S 022 0BG	mm22 - mm22	GRUNDFOS Solar 15-65 130	3 - 35	X	6	1	
01S 022 0BA	mm22 - mm22	GRUNDFOS Solar 15-70 130	3 - 35	X	6	1	

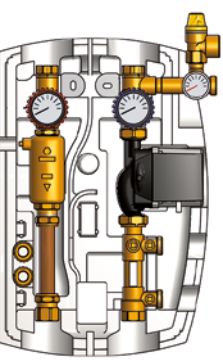


## 02S - 09S - 12S - 18S

Solar pump station with system control. Return and supply with copper pipe

Max working temperature	110 °C
Safety valve setting	6bar

cod.	size	pump	l/min	control	P [bar]	NPC	€
02S 020 0AU	G3/4" F - G3/4" F	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	Steca	6	1	
02S 020 0AG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	0.5 - 15	Steca	6	1	
02S 020 0AU M ●	G3/4" M - G3/4" M	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	Steca	6	1	
02S 020 0AG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	0.5 - 15	Steca	6	1	
02S 022 0AU	mm22 - mm22	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	Steca	6	1	
02S 022 0AG	mm22 - mm22	GRUNDFOS Solar 15-65 130	0.5 - 15	Steca	6	1	
09S 020 0AG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	0.5 - 15	Sorel	6	1	
09S 020 0AG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	0.5 - 15	Sorel	6	1	
09S 022 0AG	mm22 - mm22	GRUNDFOS Solar 15-65 130	0.5 - 15	Sorel	6	1	
12S 020 0AG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	0.5 - 15	Seitron	6	1	
12S 020 0AG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	0.5 - 15	Seitron	6	1	
12S 022 0AG	mm22 - mm22	GRUNDFOS Solar 15-65 130	0.5 - 15	Seitron	6	1	
18S 020 0AG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	0.5 - 15	Resol	6	1	
18S 020 0AG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	0.5 - 15	Resol	6	1	
18S 022 0AG	mm22 - mm22	GRUNDFOS Solar 15-65 130	0.5 - 15	Resol	6	1	

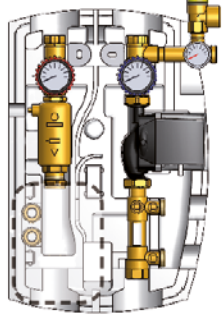


## 07S

Solar pump station. Return and supply without copper pipe

Max working temperature	110 °C
Safety valve setting	6bar

cod.	size	pump	l/min	control	P [bar]	NPC	€
07S 020 0AU	G3/4" F - G3/4" F	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	X	6	1	
07S 020 0AG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	0.5 - 15	X	6	1	
07S 020 0AA	G3/4" F - G3/4" F	GRUNDFOS Solar 15-70 130	0.5 - 15	X	6	1	
07S 020 0BU	G3/4" F - G3/4" F	GRUNDFOS UPM3 Solar 15-75 130	3 - 35	X	6	1	
07S 020 0BG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	3 - 35	X	6	1	
07S 020 0BA	G3/4" F - G3/4" F	GRUNDFOS Solar 15-70 130	3 - 35	X	6	1	
07S 020 0AU M ●	G3/4" M - G3/4" M	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	X	6	1	
07S 020 0AG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	0.5 - 15	X	6	1	
07S 020 0AA M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-70 130	0.5 - 15	X	6	1	
07S 020 0BU M ●	G3/4" M - G3/4" M	GRUNDFOS UPM3 Solar 15-75 130	3 - 35	X	6	1	
07S 020 0BG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	3 - 35	X	6	1	
07S 020 0BA M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-70 130	3 - 35	X	6	1	
07S 022 0AU	mm22 - mm22	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	X	6	1	
07S 022 0AG	mm22 - mm22	GRUNDFOS Solar 15-65 130	0.5 - 15	X	6	1	
07S 022 0AA	mm22 - mm22	GRUNDFOS Solar 15-70 130	0.5 - 15	X	6	1	
07S 022 0BU	mm22 - mm22	GRUNDFOS UPM3 Solar 15-75 130	3 - 35	X	6	1	
07S 022 0BG	mm22 - mm22	GRUNDFOS Solar 15-65 130	3 - 35	X	6	1	
07S 022 0BA	mm22 - mm22	GRUNDFOS Solar 15-70 130	3 - 35	X	6	1	

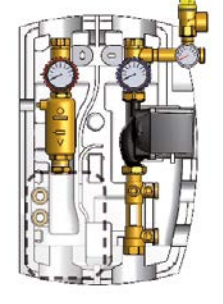


## 08S - 19S - 26S - 27S

Solar pump station with system control. Return and supply without copper pipe

Max working temperature	110 °C
Safety valve setting	6bar

cod.	size	pump	l/min	control	P [bar]	NPS	NPC	€
08S 020 0AU	G3/4" F - G3/4" F	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	Steca	6	-	1	
08S 020 0AG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	0.5 - 15	Steca	6	-	1	
08S 020 0AU M ●	G3/4" M - G3/4" M	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	Steca	6	-	1	
08S 020 0AG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	0.5 - 15	Steca	6	-	1	
08S 022 0AU	mm22 - mm22	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	Steca	6	-	1	
08S 022 0AG	mm22 - mm22	GRUNDFOS Solar 15-65 130	0.5 - 15	Steca	6	-	1	
28S 020 0AG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	0.5 - 15	Sorel	6	-	1	
28S 020 0AG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	0.5 - 15	Sorel	6	-	1	
28S 022 0AG	mm22 - mm22	GRUNDFOS Solar 15-65 130	0.5 - 15	Sorel	6	-	1	
27S 020 0AG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	0.5 - 15	Seitron	6	-	1	
27S 020 0AG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	0.5 - 15	Seitron	6	-	1	
27S 022 0AG	mm22 - mm22	GRUNDFOS Solar 15-65 130	0.5 - 15	Seitron	6	-	1	
19S 020 0AG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	0.5 - 15	Resol	6	-	1	
19S 020 0AG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	0.5 - 15	Resol	6	-	1	
19S 022 0AG	mm22 - mm22	GRUNDFOS Solar 15-65 130	0.5 - 15	Resol	6	-	1	



P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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05S

Solar pump station - only return line

Max working temperature	110 °C
Safety valve setting	6bar

cod.	size	pump	l/min	control	P [bar]	NPC	€
05S 020 0AU	G3/4" F - G3/4" F	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	X	6	1	
05S 020 0AG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	0.5 - 15	X	6	1	
05S 020 0AA	G3/4" F - G3/4" F	GRUNDFOS Solar 15-70 130	0.5 - 15	X	6	1	
05S 020 0BU	G3/4" F - G3/4" F	GRUNDFOS UPM3 Solar 15-75 130	3 - 35	X	6	1	
05S 020 0BG	G3/4" F - G3/4" F	GRUNDFOS Solar 15-65 130	3 - 35	X	6	1	
05S 020 0BA	G3/4" F - G3/4" F	GRUNDFOS Solar 15-70 130	3 - 35	X	6	1	
05S 020 0AU M ●	G3/4" M - G3/4" M	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	X	6	1	
05S 020 0AG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	0.5 - 15	X	6	1	
05S 020 0AA M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-70 130	0.5 - 15	X	6	1	
05S 020 0BU M ●	G3/4" M - G3/4" M	GRUNDFOS UPM3 Solar 15-75 130	3 - 35	X	6	1	
05S 020 0BG M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-65 130	3 - 35	X	6	1	
05S 020 0BA M ●	G3/4" M - G3/4" M	GRUNDFOS Solar 15-70 130	3 - 35	X	6	1	
05S 022 0AU	mm22 - mm22	GRUNDFOS UPM3 Solar 15-75 130	0.5 - 15	X	6	1	
05S 022 0AG	mm22 - mm22	GRUNDFOS Solar 15-65 130	0.5 - 15	X	6	1	
05S 022 0AA	mm22 - mm22	GRUNDFOS Solar 15-70 130	0.5 - 15	X	6	1	
05S 022 0BU	mm22 - mm22	GRUNDFOS UPM3 Solar 15-75 130	3 - 35	X	6	1	
05S 022 0BG	mm22 - mm22	GRUNDFOS Solar 15-65 130	3 - 35	X	6	1	
05S 022 0BA	mm22 - mm22	GRUNDFOS Solar 15-70 130	3 - 35	X	6	1	



21S

Solar pump station - only return line without safety group - with pipe for East/ Ovest or double tank regulation

Max working temperature	110 °C
Safety valve setting	6bar

cod.	size	pump	l/min	control	P [bar]	NPC	€
21S 022 0AG ●	mm22 - mm22	GRUNDFOS Solar 15-65 130	0.5 - 15	X	6	1	



V20

Mixing solar kit with thermostatic diverting valve for thermal integration

Max working temperature	95 °C
Working range	35 -60 °C
Diverting valve setting	45 °C
Flow	KV 2

cod.	size	P [bar]	NPS	NPC	€
V20 M25 001	G 1" M	10	1	10	



V20.L1

Mixing solar kit with thermostatic diverting valve for thermal integration - 3 fittings and 2 check valves insert

Max working temperature	95 °C
Working range	35 -60 °C
Diverting valve setting	45 °C
Flow	KV 2

cod.	size	P [bar]	NPS	NPC	€
V20 M25 001 L1	G1" M	10	1	6	



V20.L2

Mixing solar kit with thermostatic diverting valve for thermal integration - 5 fittings P93

Max working temperature	95 °C
Working range	35 -60 °C
Diverting valve setting	45 °C
Flow	KV 2

cod.	size	P [bar]	NPS	NPC	€
V20 M25 001 L2	G3/4" M	10	1	6	



P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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V20.1

Insulation for mixing solar kit

Max working temperature	140 °C
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cod.	size	NPS	NPC	€
V20 000 001	225mm x 100mm	-	-	



P04

Solar systems thermostatic mixing valve - antiscald - KV1,8 - 30/65°C.



Max working temperature	110 °C	 KV1,8
Working range	30-65 °C	
Flow	KV 1,8	

cod.	size	P [bar]	NPS	NPC	€
P04 A20 N00	G 3/4" M	10	1	20	
P04 A25 N00	G1" M	10	1	20	

P05.L2

Solar systems thermostatic mixing valve - antiscald - KV2,3 - 30/65°C. Fittings and check valves insert unassembled (V38.04)



Max working temperature	110 °C	 KV2,3
Working range	30-65 °C	
Flow	KV 2,3	

cod.	size	P [bar]	NPS	NPC	€
P05 A20 N00 L2	G 3/4" M	10	1	20	
P05 A25 N00 L2	G 1" M	10	1	20	

P04.L2

Solar systems thermostatic mixing valve - antiscald - KV1,8 - 30/65°C. Fittings and check valves insert unassembled (V38.04)



Max working temperature	110 °C	 KV1,8
Working range	30-65 °C	
Flow	KV 1,8	

cod.	size	P [bar]	NPS	NPC	€
P04 A20 N00 L2	G 3/4" M	10	1	20	
P04 A25 N00 L2	G1" M	10	1	20	

P04.L4 new

Solar systems thermostatic mixing valve - antiscald - KV1,8 - 30/65°C. With compact fittings and check valves insert unassembled (V38.02)



Max working temperature	110 °C	 KV1,8
Working range	30-65 °C	
Flow	KV 1,8	

cod.	size	P [bar]	NPS	NPC	€
P04 A20 N00 L4	G 3/4" M	10	1	20	

P05

Solar systems thermostatic mixing valve - antiscald - KV2,3 - 30/65°C.



Max working temperature	110 °C	 KV2,3
Working range	30-65 °C	
Flow	KV 2,3	

cod.	size	P [bar]	NPS	NPC	€
P05 A20 N00	G 3/4" M	10	1	20	
P05 A25 N00	G 1" M	10	1	20	

P05.L4 new

Solar systems thermostatic mixing valve - antiscald - KV2,3 - 30/65°C. With compact fittings and check valves insert unassembled (V38.02)



Max working temperature	110 °C	 KV2,3
Working range	30-65 °C	
Flow	KV 2,3	

cod.	size	P [bar]	NPS	NPC	€
P05 A20 N00 L4	G 3/4" M	10	1	20	

P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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**06D**

Monobloc with pump connection (ball valve +thermometer +check valve+holes for brackets) - thermometer 0-160°C(32 - 320°F) - red handle



Max working temperature 140 °C

cod.	size	handle colour	P [bar]	NPS	NPC	€
06D 020 000 R	G1" F - G3/4 F	red	10	-	24	

**07D**

Monobloc with pump connection (ball valve + thermometer+check valve+holes for brackets+check valve disconnection+side connection) - thermometer 0-160°C(32 - 320°F) - blue handle



Max working temperature 140 °C

cod.	size	handle colour	P [bar]	NPS	NPC	€
07D 020 000	G1" F - G3/4 F	blue	10	-	24	

**P71**

Vertical manual de-aerator



Max working temperature 140 °C

cod.	size	P [bar]	NPS	NPC	€
P71 020 000	G1" M - G3/4" F	10	1	20	
P71 020 000 M	G1" M - G3/4" M	10	1	20	
P71 022 000	G1" M - mm22	10	1	20	

**02D-28D-31D-32D**

Flow regulator DN15 with glass measurement zone, filling and flushing connections with ball valves - flow regulation ball valve



Max working temperature 140 °C

cod.	size	l/min	P [bar]	NPS	NPC	€
02D 015 000 PT	G3/4" F - G1" F - G3/4"	0.5 - 15	10	1	20	
02D 018 000 PT	Gmm18 - G 1" F - G3/4"	0.5 - 15	10	1	20	
02D 020 000 PTM	G3/4" F - G 1" F - G3/4"	0.5 - 15	10	1	20	
02D 022 000 PT	Gmm22 - G1" F - G3/4"	0.5 - 15	10	1	20	
28D 015 000 PT	G3/4" F - G1" 1/2 F - G3/4"	0.5 - 15	10	1	20	
31D 015 000 PT ●	G3/4" F - G1" F - G3/4"	3 - 35	10	1	20	
32D 015 000 PT	G3/4" F - G1" 1/2 F - G3/4"	3 - 35	10	1	20	

**04D**

Safety valve for solar system



Max working temperature 160 °C  
 Allowed fluids water, mix water and glycol(max 50%), air, group 1 fluids,  
 Discharge coefficient K=0,05

cod.	size	Calibration [bar]	P [bar]	NPS	NPC	€
04D 015 000 3	G1/2" F - G3/4" F	3	10	-	40	
04D 015 000 6	G1/2" F - G3/4" F	6	10	-	40	

**03D**

Safety group with safety valve, pressure gauge (0-10bar), expansion vessel connection, connection with O-ring and locknut



Max working temperature 140 °C

cod.	size	Calibration [bar]	P [bar]	NPS	NPC	€
03D 015 000 3	G1/2" M - G3/4" M	3	10	-	20	
03D 015 000 6	G1/2" M - G3/4" M	6	10	-	20	

**30D**

Solar expansion vessel. Versions with P 8bar have interchangeable membrane



Max working temperature 130 °C

cod.	size	P [bar]	NPC	€
30D 020 006 12	G 3/4" M - 12[l]	8	1	
30D 020 006 18	G 3/4" M - 18[l]	8	1	
30D 020 006 25	G 3/4" M - 25[l]	8	1	
30D 020 006 40	G 3/4" M - 40[l]	8	1	
30D 020 008 12	G 3/4" M - 12[l]	10	1	
30D 020 008 18	G 3/4" M - 18[l]	10	1	
30D 020 008 25	G 3/4" M - 25[l]	10	1	
30D 020 008 40	G 3/4" M - 40[l]	10	1	

**18D**

Expansion vessel kit (hose, bracket, wall plugs and automatic shut-off valve 15D) - pipe length 500mm



Max working temperature 140 °C

cod.	size	P [bar]	NPS	NPC	€
18D 020 000	G 3/4" F	10	-	15	

**18D.1**

Expansion vessel kit (hose, bracket, wall plugs and automatic shut-off valve 15D) - pipe length 730mm



Max working temperature 140 °C

cod.	size	P [bar]	NPS	NPC	€
18D 020 000 1	G 3/4" F	10	-	15	

**15D**

Automatic shut-off valve for expansion vessel replacement



Max working temperature 140 °C

cod.	size	P [bar]	NPS	NPC	€
15D 020 000	G3/4" M - G3/4" F	10	10	40	

P Max working pressure  
 N°P/S Pieces per box  
 N°P/C Pieces per carton



● Article on request

P Max working pressure  
 N°P/S Pieces per box  
 N°P/C Pieces per carton



● Article on request

## P32

Drain cock for solar system - with hose connection and plug



Max working temperature 150 °C

cod.	size	P [bar]	NPS	NPC	€
P32 015 000	G1/2" M	16	10	40	

## 12D-47D.A

Connection 3/4" coupling and compression end with assembled nut, olive and O-ring



Max working temperature 140 °C

cod.	size	P [bar]	NPS	NPC	€
12D 015 000	mm15 - G3/4" M	16	-	-	
12D 015 000 M	G1/2" M - G3/4" M	16	-	-	
12D 018 000	mm18 - G3/4" M	16	-	-	
12D 020 000 M	G3/4" M - G3/4" M	16	-	-	
12D 022 000	mm22 - G3/4" M	16	-	-	
12D 025 000 M	G1" M - G3/4" M	16	-	-	
47D 020 004 A	mm22 - G3/4" F	16	-	-	

## 005KV

Universal check valve - F.F. - brass insert - viton washer



Temperatura massima di esercizio 150 °C

cod.	size	P [bar]	NPS	NPC	€
005 008 000 KV	G1/4"	35	30	240	
005 010 000 KV	G3/8"	35	30	240	
005 015 000 KV	G1/2"	35	30	240	
005 020 000 KV	G3/4"	35	18	144	
005 025 000 KV	G1"	35	14	84	
005 032 000 KV	G1"1/4	25	12	72	
005 040 000 KV	G1"1/2	25	10	40	
005 050 000 KV	G2"	25	6	36	
005 065 000 KV	G2"1/2	12	-	15	
005 080 000 KV	G3"	12	-	12	
005 100 000 KV	G4"	12	-	5	

## 11D.160

Axial thermometer



Range 0-160 °C

cod.	size	NPS	NPC	€
11D 015 000 160	Ø 51 mm	-	10	

## V38.05

new

Y fitting and probe holder with closed well



Max working temperature 110 °C  
Probe diameter 6mm

cod.	size	P [bar]	NPS	NPC	€
V38 015 000 05	G 1/2" M	16	-	-	
V38 020 000 05	G 3/4" M	16	-	-	
V38 025 000 05	G 1" M	16	-	-	

## 47D

Copper pipe for two solar pump installation for east/west regulation or double tank use. Pipe distance 230mm



Max working temperature 140 °C

cod.	size	P [bar]	NPS	NPC	€
47D 020 000 M ●	G3/4" M - mm22 M	10	-	10	
47D 022 000 K ●	mm22 M - mm22 M	10	-	10	
47D 020 000 K ●	G3/4" M - G3/4" M	10	-	10	
47D 020 000 MK ●	G3/4" M - G3/4" F	10	-	10	

## 020KV

Universal check valve - F.F. - brass insert - viton washer - suitable for high pressure application



Temperatura massima di esercizio 150 °C

cod.	size	P [bar]	NPS	NPC	€
020 010 000 KV	G3/8"	50	24	192	
020 015 000 KV	G1/2"	50	20	160	
020 020 000 KV	G3/4"	50	12	96	
020 025 000 KV	G1"	50	8	64	
020 032 000 KV	G1"1/4	35	8	48	
020 040 000 KV	G1"1/2	35	6	36	
020 050 000 KV	G2"	35	5	20	

## 14D

3 poles cable with rapid connector for UPS solar pump



cod.	N° poles	cable	€
14D 100 000	3	2m	

P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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## 22A

Grundfos Pump UPM3 Solar 25-75 130 with high efficiency (EEI < 0.23 in accordance with EuP directive)



Max working temperature	100 °C
Max head	7,5m
Connection distance	180 mm

cod.	size	P [bar]	€
22A 025 075 BC	G 1" M	10	

## 04A.65

Grundfos Type Solar Pump with 3 constant speed



Max working temperature	110 °C
Max head	6,5m
Connection distance	130 mm

cod.	size	P [bar]	€
04A 025 065 BM	G 1" M	10	

## 33D

Solar system controllers with temperature sensors - 3 In NTC, 2 Out on/off, 1 Out Alarm



cod.	size	control	NPS	NPC	€
33D 000 000	L - H - D 155 - 110 - 30	SeitronTDST04M	-	-	

## 14D.2

3 poles 90° cable with rapid connector for UPM3 AUTO, UPM3 AUTO L and UPM3 solar



cod.	N° poles	cable	€
14D 100 002	3	1m	

## 04A.70

Grundfos Type Solar Pump with 3 constant speed



Max working temperature	110 °C
Max head	7m
Connection distance	130 mm

cod.	size	P [bar]	€
04A 250 70B M	G 1" M	10	

## 34D

Solar system controllers with temperature sensors - 3 In Pt1000, 1 Out on/off, 1 Out variable speed



cod.	size	control	NPS	NPC	€
34D 000 001	L - H - D 106 - 157 - 31	SorelTDC3	-	-	

## 14D.3

Cable for PWM signal with rapid connector(Superseal type) for UPM3 solar pump



cod.	N° poles	cable	€
14D 100 003	3	2 m	

## 23D

Solar system controllers with temperature sensors - 3 In Pt1000, 1 Out on/off



cod.	size	control	NPS	NPC	€
23D 000 000	L - H - D 130 - 140 - 30	StecaTR0301	-	-	

## 22D

Solar system controllers with temperature sensors - 4 In Pt1000, 2 Out on/off



cod.	size	control	NPS	NPC	€
22D 000 000	L - H - D 110 - 172 - 49	Resol DELTASOL BS/4	-	-	

P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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