

ART. 218M



Supply and return booster unit for solar systems complete with:

- High-efficiency electronic pump with PWM modulation
- Shut-off temperature gauge holder valves
- Non-return valve
- Temperature gauge with 0÷160°C scale
- PPE insulation shell
- Adjustable flow meter
- System loading/washing taps with hose holder
- 0÷10 bar pressure gauge
- 6 bar safety valve
- Deaerator on the supply circuit with manual drain
- Electronic controller for modulating pump operation
- 100mm connections centre distance
- Connection for expansion tank
- **3/4" female connections**

ART. 218R



Return booster unit for solar systems complete with:

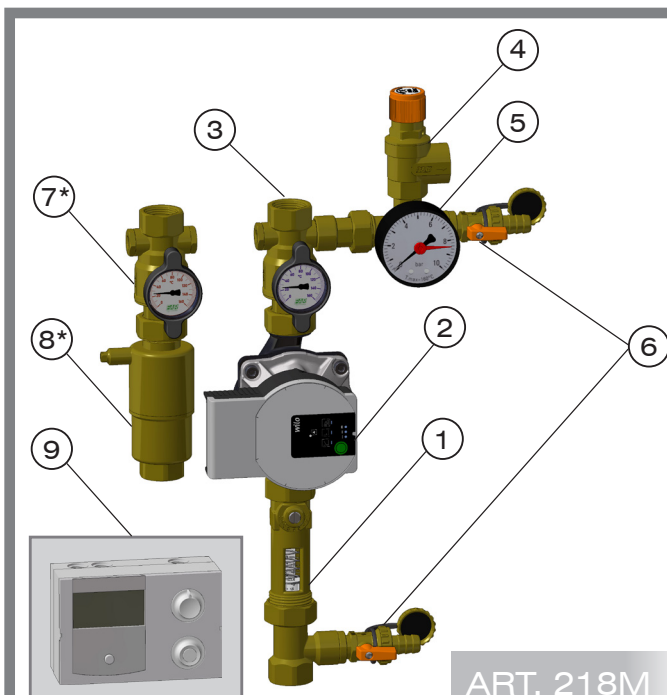
- High-efficiency electronic pump with PWM modulation
- Temperature gauge holder shut-off valve
- Non-return valve
- Temperature gauge with 0÷160°C scale
- PPE insulation shell
- Adjustable flow meter
- System loading/washing taps with hose holder
- 0÷10 bar pressure gauge
- 6 bar safety valve
- Electronic controller for modulating pump operation
- Connection for expansion tank
- **3/4" female connections**

1 DESCRIPTION

Booster units for solar thermal systems allow the automatic recirculation of water between the storage tank and the solar panel, according to the temperature difference set on the electronic controller.

The controller starts the circulation pump and modulates its operation to always maintain water in the storage tank at the chosen temperature, while ensuring completely safe operation.

2 CONSTRUCTION FEATURES



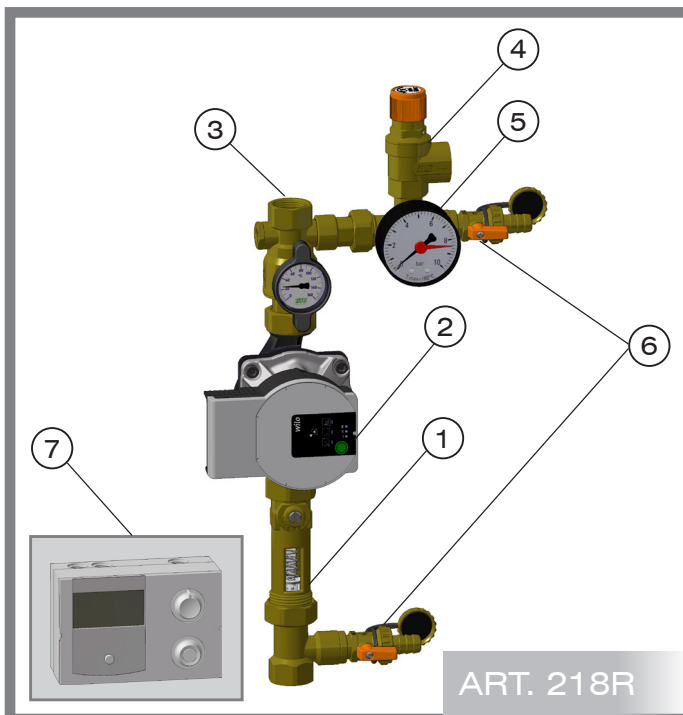
ART. 218M

1. Adjustable flow meter (available with 4-16 l/min or 8-28 l/min scale)
2. High-efficiency pump with PWM modulation
3. 3/4" return extension piece with ball valve, complete with 0-160°C temperature gauge and non-return valve
4. 6 bar safety valve
5. Pressure gauge and 3/4" connection for expansion tank
6. System filling and draining taps
7. 3/4" supply extension piece with ball valve, complete with 0-160°C temperature gauge
8. Deaerator on the supply circuit
9. Electronic controller for modulating pump, complete with boiler sensor and system sensor

(For all technical information, consult the instruction booklet for regulator art.9615 - www.far.eu)

*Components present exclusively on the booster unit art.218M

The booster units are supplied complete with insulation shell

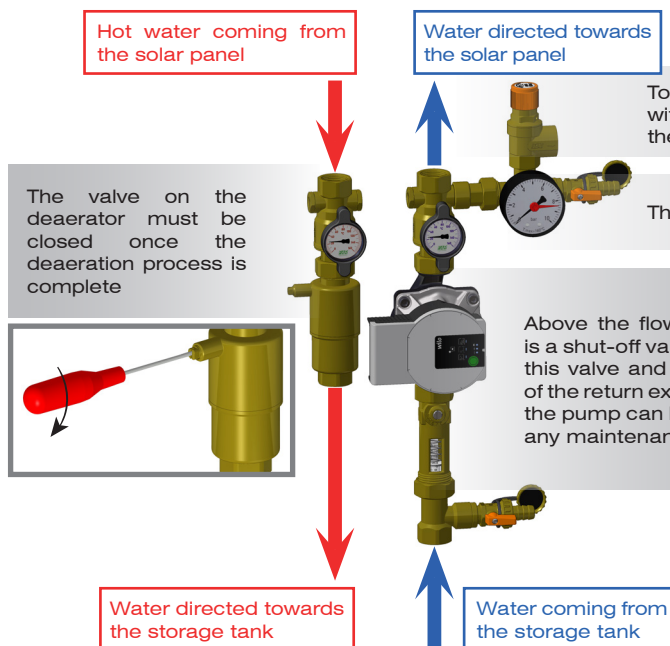


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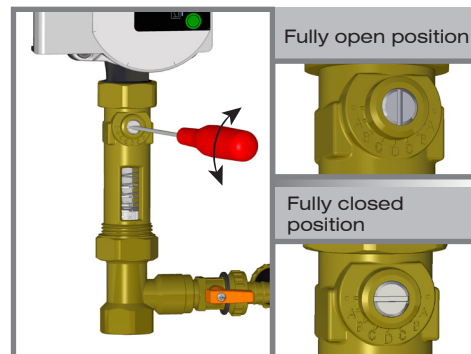
(For all technical information, consult the instruction booklet for regulator art.9615 - www.far.eu)

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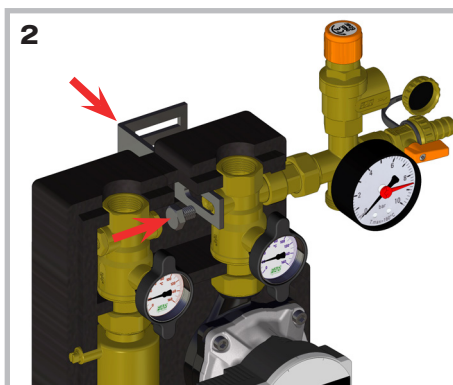
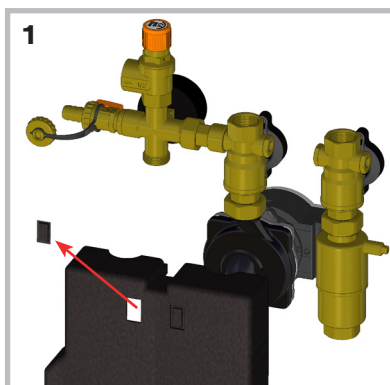
3 INSTALLATION



FLOW RATE ADJUSTMENT



3.1 WALL BRACKET INSTALLATION ART.7478



1. Remove the designated slot on the rear insulation by cutting it with a cutter.

2. Insert the fixing bracket art.7478 into the rear shell and screw it into the designated side connection on the temperature gauge holder valve.

3. Then proceed with wall mounting (plugs not supplied).

4 CONNECTION SCHEME

The scheme provides an example of how to install the booster unit in solar systems.

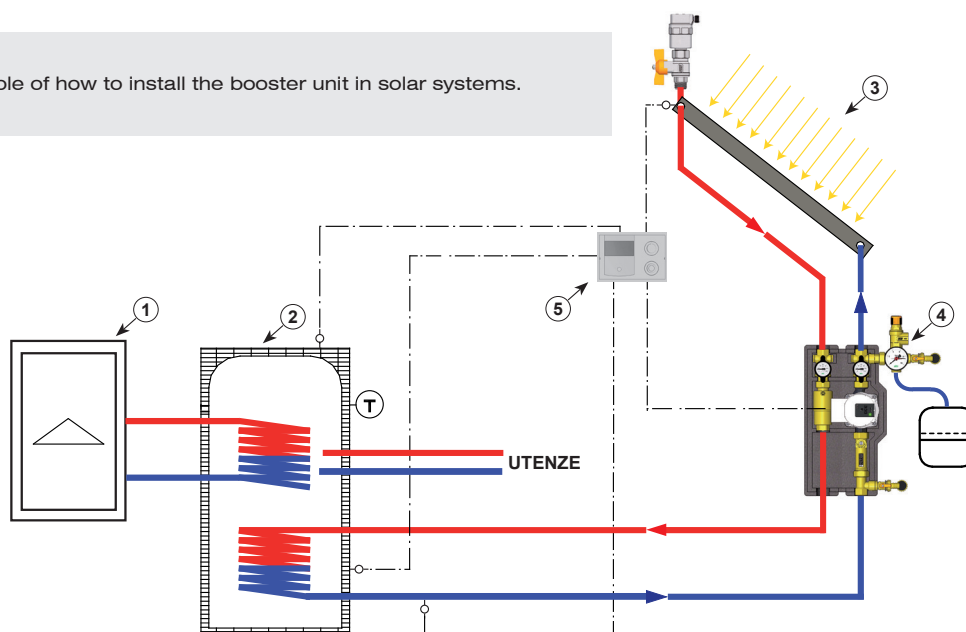
1- BOILER

2- SOLAR PANEL STORAGE TANK

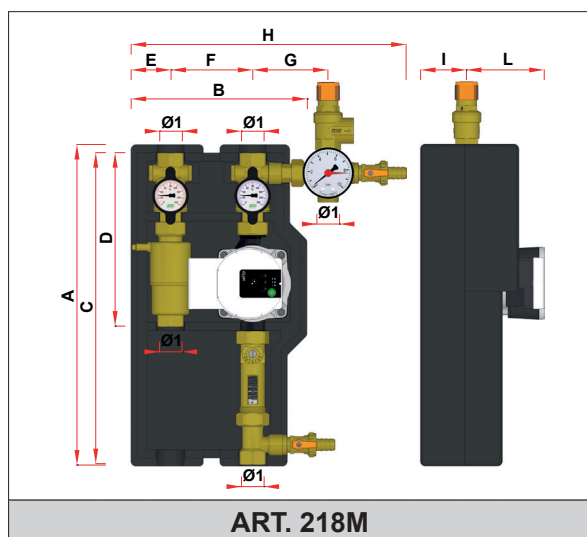
3- SOLAR THERMAL PANEL

4- SOLAR BOOSTER UNIT

5- ELECTRONIC CONTROLLER

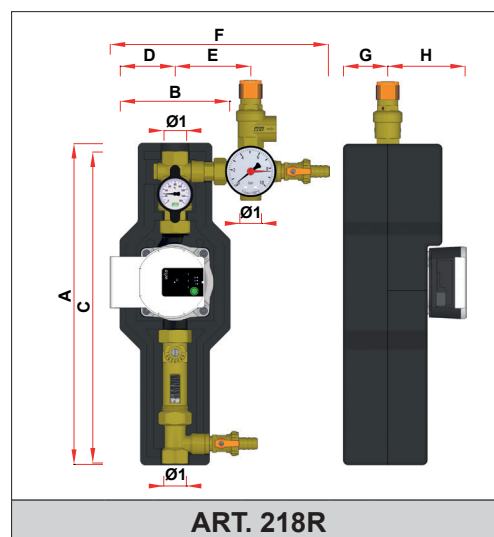


6 DIMENSIONAL FEATURES



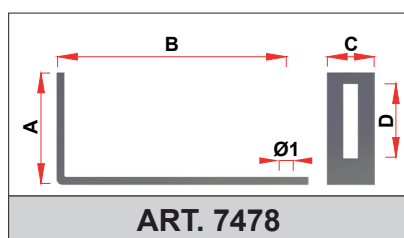
ART. 218M

| CODE | Ø1 | A | B | C | D | E | F | G | H | I | L |
|------|------|-----|-----|-----|-----|----|-----|----|-----|----|----|
| 218M | 3/4" | 391 | 214 | 380 | 212 | 48 | 100 | 92 | 336 | 54 | 95 |



ART. 218R

| CODE | Ø1 | A | B | C | D | E | F | G | H |
|------|------|-----|-----|-----|----|----|-----|----|----|
| 218R | 3/4" | 391 | 132 | 380 | 66 | 92 | 267 | 54 | 95 |



ART. 7478

| CODE | Ø1 | A | B | C | D |
|------|-----|----|-----|----|----|
| 7478 | Ø10 | 60 | 124 | 25 | 40 |

5 TECHNICAL FEATURES

Maximum temperature: 160°C

Usable media: water, water with glycol

Storage temperature: -15 + 55°C