

Function

The NOVASOL DUO 7600 solar circulation unit is the top of the range. Capable of ensuring the correct flow rate and adequate head pressure of the heat transfer fluid in solar panel systems, it consists of the supply and return branches while also integrating additional features such as thermometers, a non-return valve, safety functions, flow rate reading/regulation, and an air vent. The unit is characterized by its customizable design. Compact and functional, it offers the possibility to choose the connection sizes, flow meter calibration, circulators of 130mm or 180mm, and can integrate the most common control units available on the market.

Technical data

Nominal Diameter	DN15
Maximum Pressure	Safety Valve 6 bar
Maximum Operating Temperature	130° - 150° peak
Minimum Operating Temperature	+5°
Fluid	Water-water+glycol max 50%
Thermometer	0-160°C
Op. Pressure Non-Return Valve	$\Delta P: 2 \text{KpA} (\text{approx. } 200 \text{mm})$
Overall Dimensions	480x280x180 mm
Protection Rating	IPX0D
Pipes	Copper $\varnothing 18 \text{ mm}$
Panel Side Connection	3/4" M*
Storage Tank Side Connections	3/4" M*
Center Distance	125 mm
Expansion Vessel Connection	3/4" M*
Filling/Drain Connection	3/4" M - Hose connection $\varnothing 15 \text{ mm}$
Flow Meter Adjustment Range	2 - 12 l/min*
Circulator Pump	Grundfos UPM3 Solar 15-70 Erp ready*
Circulator Connections	1" M / 1 1/2" M - 130/180 mm*
Maximum Flow Rate	720 l/h**
Power Supply	230V - 50Hz

* Other values available upon request

** Ref. with residual pressure 2 m.c.a

Without control unit window on the cover
Circulator center distance: 130mm - G 1"

Available connections

Olive connection 15 - 18 - 22

3/4" M - 3/4" F - 1" M - 1" F

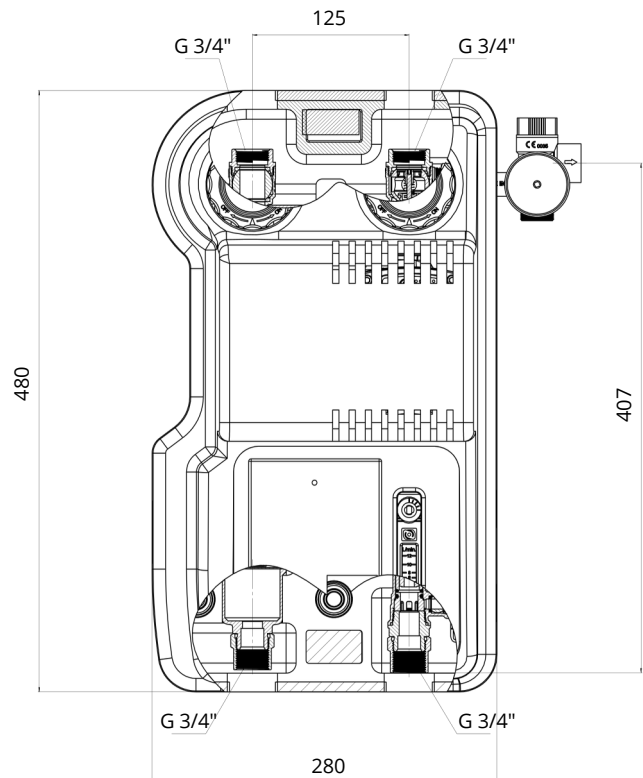
Flow meters

1-6, 2-12, 8-28, 8-38 l/min.

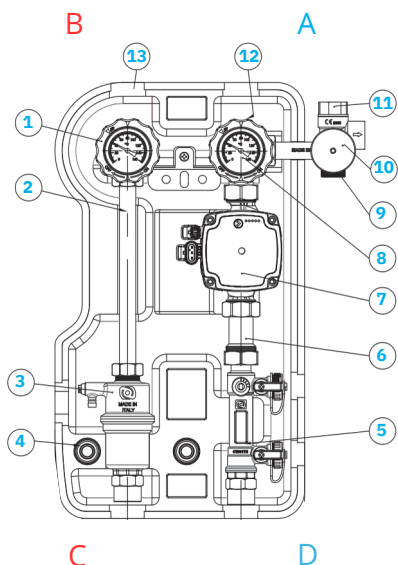
Materials

Pipes	Copper
Insulation	EPP
Circulators	Cast iron
Components	Brass/CW617N

Dimensions



Composition



- 1) Supply valve with thermometer
- 2) Supply pipe
- 3) Manual air vent
- 4) Hose connection for filling/draining
- 5) Flow meter with filling/draining system
- 6) Adapter for circulator 130mm
- 7) Circulator pump
- 8) Return valve with thermometer
- 9) Non-return valve
- 10) Expansion vessel connection
- 11) Pressure gauge
- 12) Solar safety valve
- 13) Insulating cover

- A) Collector field flow
- B) Collector field return
- C) Tank flow
- D) Tank return

Certifications

- Product compliant with:
- EN 16297-2 / EN 16297-3:2012 ErPReady
 - PED Directive – 2014/68/EU



Accessories



FLOWMETER
FLOW METER 1490
(Cod.10405595)



SAFETY KIT 3098/N
SAFETY KIT
(Cod.C0105110)



GRUNDFOS SOLAR PUMP
SOLAR PUMP 15-75-130
(Cod.R0105078)