

MODVSOL Flowmeters

Art. 654 - Flow regulator / Flowmeter



Straight flow regulator and flowmeter, male threaded on both ends, from 3/4" to 1"1/2, for solar, heating and hydronic applications. Direct reading of the flowrate through the graduated scale. Ball valve for flow adjustment.

A careful sizing of the article provides very little headlosses.

PN 10. Constant temperature 120°C; (short time temperature: 160°C for 20 s).

External connections:

- ✓ DN15: 22 mm compression, 3/4" and 1".
- ✓ DN20: 1", 1"1/4 and 1"1/2.

Code 22 mm: 22654DN15-xx
 Code 3/4" Male: 03654DN15-xx
 Code 1" Male: 04654DN(15/20)-xx
 Code 1"1/4 Male: 05654DN20-xx
 Code 1"1/2 Male: 06654DN20-xx

PED 97/23/EC, art. 3.3



Flow rate ranges for DN15
 06 = 1-6 l/min 12 = 2-12 l/min
 28 = 8-28 l/min 38 = 8-38 l/min



Flow rate ranges for DN20
 42 = 5-42 l/min
 70 = 20-70 l/min

Art. 654P - Flow regulator / Flowmeter



Straight flow regulator and flowmeter, male threaded on one end and with swivel nut on the other, from 3/4" to 1"1/2, for solar, heating and hydronic applications.

Direct reading of the flowrate through the graduated scale. Ball valve for flow adjustment. A careful sizing of the article provides very little headlosses.

PN 10. Constant temperature 120°C; (short time temperature: 160°C for 20 s).

External connections:

- ✓ DN15: 3/4" and 1".
- ✓ DN20: 1"1/4 and 1"1/2.

Code 3/4" Male: 03654DN15P-xx
 Code 1" Male: 04654DN15P-xx
 Code 1"1/4 Male: 05654DN20P-xx
 Code 1"1/2 Male: 06654DN20P-xx

PED 97/23/EC, art. 3.3



Flow rate ranges for DN15
 06 = 1-6 l/min 12 = 2-12 l/min
 28 = 8-28 l/min 38 = 8-38 l/min



Flow rate ranges for DN20
 42 = 5-42 l/min
 70 = 20-70 l/min



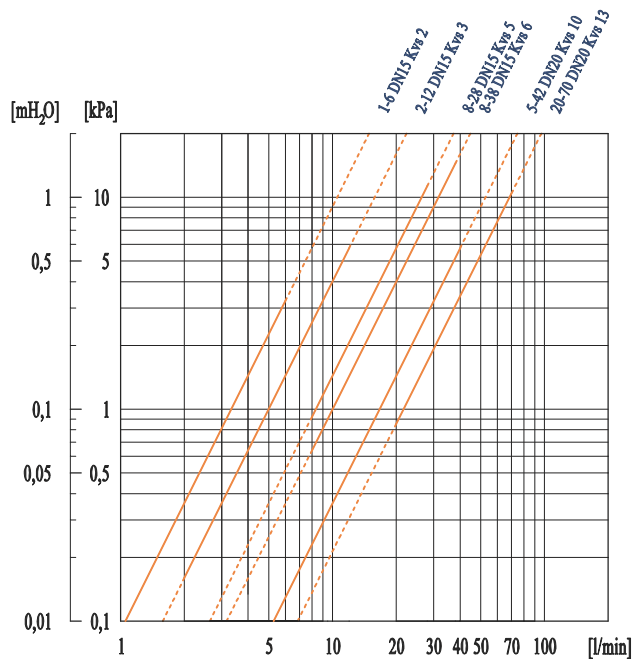
**Adapters Art. 654
 for capillary welding**

Copper pipe adapter kits: adapter 15 mm for 3/4" connection and 22 mm for 1" connection.
 For more informations see the pages dedicated to ModvSol Equipments.



To have the real flow with the use of low temperature glycol solutions, it is necessary to multiply the value indicated by the flowmeter by a corrective factor, that is:

- ✓ 0,9 for concentrations of 20-30%
- ✓ 0,8 for concentrations of 40-50%



Code composition: "xx" means the flow rate range to be read/set on the component.

MODVSOL Flowmeters



Adjustment:

The reading of the flow is done at the lower part of the mobile indicator.



Opening



Closing

The valve can be mounted in horizontal or vertical position with any sense of flow. For an accurate and stable reading please provide a straight pipe with an overall length of at least 5 times the diameter of the pipe.

Art. 654 GPM - Flow regulator/ Flowmeter gpm



Straight flow regulator and flowmeter, male threaded on both ends to ISO 228, for solar, heating and hydronic applications, special for the north-american market. Thanks to use of dedicated brass adapters (which can be purchased separately) it is possible the capillary welding connection with pipes in compliance with ASTM specifications.

Direct reading of the flowrate through the graduated scale. Ball valve for flow adjustment. A careful sizing of the article provides very little headlosses.

PN 10 (150 psi). Constant temperature 120°C (250°F).

Short time temperature: 160°C (320°F) for 20 s.

Available external connections:

✓ DN15: 3/4" and 1" ISO 228.

PED 97/23/EC, art. 3.3



Flow rate ranges for DN15

3 = 0,5-3 US gpm (gallons per minute)

8 = 2-8 US gpm (gallons per minute)

Code 3/4" Male: 03654DN15GPM-x

Code 1" Male: 04654DN15GPM-x



1 x

Adapters Art. 654 for capillary welding

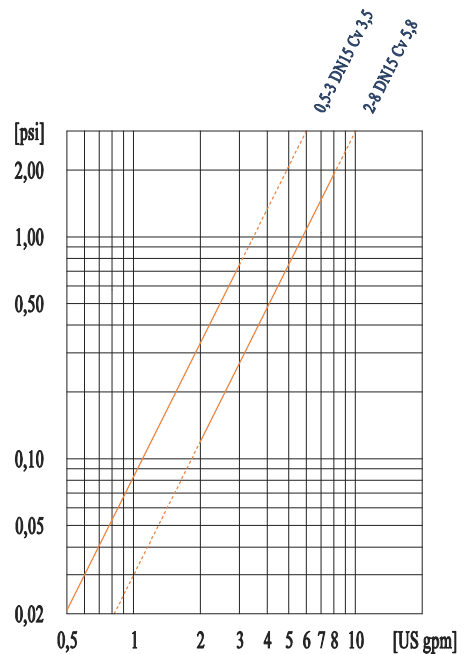
Copper pipe adapter kits: adapter 1/2 in. for 3/4" connection and 3/4 in. for 1" connection. For more informations see the page dedicated to ModvSol S2 Solar 3 for the North American market.



1 x

NPT to GAS adapter

F/F adapter to connect a 3/4" or 1" NPT pipe to flowmeters with 3/4" or 1" male connection. For more informations see the page dedicated to ModvSol S2 Solar 3 for the North American market.



flow
meters

Code composition: "x" means the flow rate range to be read/set on the component.