



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. 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



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**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



**Adapters Art. 654 for capillary welding**

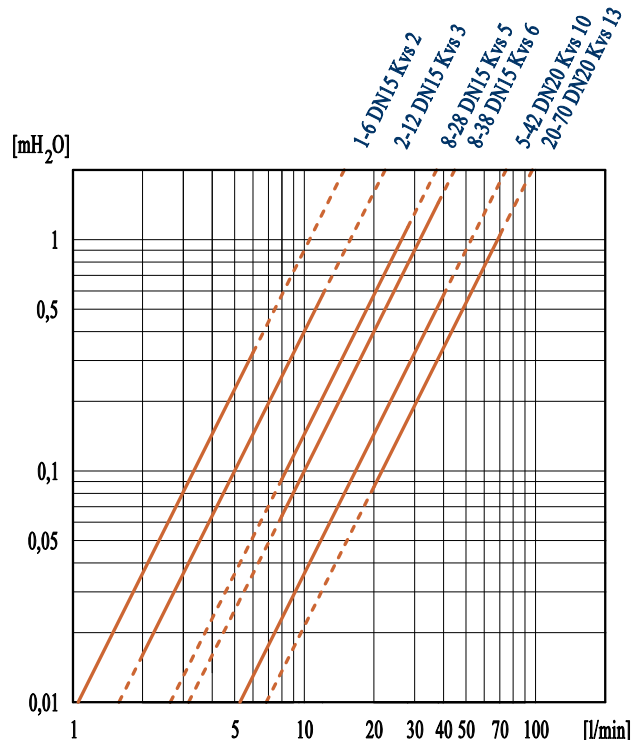
Copper pipe adapter kits: adapter 15 mm for 3/4" connection and 22 mm for 1" connection.

For more informations see the pages dedicated to ModvSol Equipments and Accessories.



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.