



Description

The valves with thermostatic option, with building site protection are suitable for assemblies where the installation of thermostatic heads is expected to control the room temperature, targeted to the consumption optimization. The protection with deeply closed handwheel allows to exceed abundantly differential pressures of 10 bar, with switched-off system. It is anyway recommended to make system tightness tests under pressure, only after the connection to heat sources in order to avoid flooding in case of damages occurred to the mechanism.

Technical data

- 1/2", 3/4" iron connection
- Temperature range: 5÷110 °C
- Maximum working pressure in combination with thermostatic heads: 10 bar (16 bar with building site protection handwheel)

Valve size	Thermostatic head	Nominal flow q_{noms} in combination with the heads	α authority of the obturator	Z (min)	W (K)
1/2" (R401D-R402D)	R460	150 kg/h	0,924	26	0,9
3/4" (R401D)	R460	240 kg/h	0,873		
3/4" (R402D)	R460	240 kg/h	0,897		
1/2" (R401D-R402D)	R468C	150 kg/h	0,924	25	0,26
3/4" (R401D)	R468C	240 kg/h	0,873		
3/4" (R402D)	R468C	240 kg/h	0,897		
1/2" (R401D-R402D)	R468	150 kg/h	0,924	25	0,42
3/4" (R401D)	R468	240 kg/h	0,873		
3/4" (R402D)	R468	240 kg/h	0,897		
1/2" (R401D-R402D)	R470	150 kg/h	0,926	26	1,2
3/4" (R401D)	R470	240 kg/h	0,873		
3/4" (R402D)	R470	240 kg/h	0,897		

C – declared hysteresis: 0,35 K (R460); 0,23 K (R468C, R468); 0,4 K (R470)
D – influence of the declared differential pressure: 0,4 K (R460); 0,15 K (R468C, R468); 0,55 K (R470)

W – influence of the declared water temperature: refer to table

Z – declared response times: refer to table

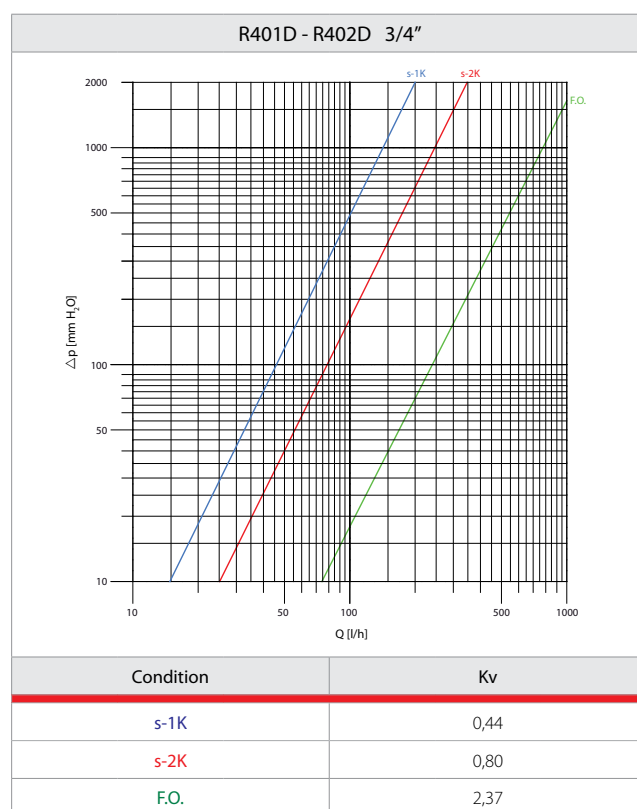
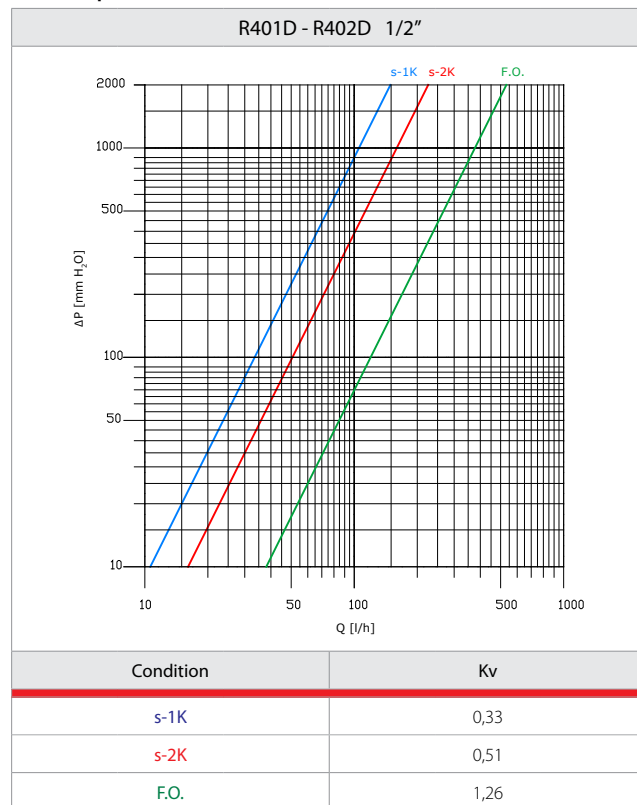
Min. calibration in combination with the thermostatic heads: 8 °C in * position

Max. working pressure in combination with the thermostatic heads: 10 bar

Max. differential pressure: 1,4 bar (1/2")

0,7 bar (3/4")

Losses of pressure

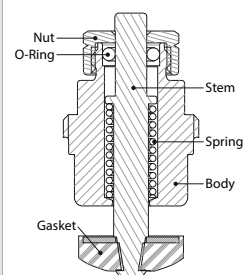


Mounting of the thermostatic heads

Giacomini's valves with thermostatic option with building site protection handle are particularly suitable for those applications, where the installation of thermostatic heads or electrical actuators for the control of room temperature is expected, finalized to the keeping of the comfort conditions in addition to the consumption optimization. The building site protection anyway allows to limit the valve flow rate, by turning the red cap counter clockwise to open it and vice versa clockwise to close it. Temperature changes equal to 1°C correspond to rotations of the red cap equal to 36°.

Warning.

With thermostatic head installed on the valve body, to avoid excessive loads on the seal gasket of the thermostatic bonnet (with the resulting risk of jamming and locking) during the summer, it is recommended to place the handwheel of the thermostatic head in the fully open position, marked by the symbol ☀.



In case of malfunction of the valve it is possible to replace the O-ring, by unscrewing the nut using an hexagonal wrench 11 mm



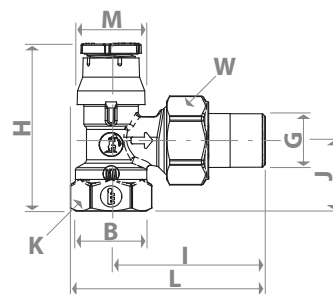
R400

If the problem persists is also possible to replace the complete bonnet using the appropriate key R400.

The bonnet replacement using the R400 key, is not possible for 3/4" valves.

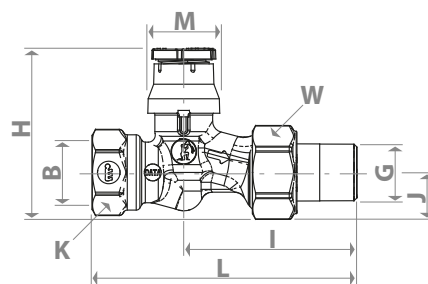
Dimensions

R401D



G x B	H [mm]	I [mm]	J [mm]	K [mm]	L [mm]	M [mm]	W [mm]
1/2"x1/2"	63	58	27	27	73	51	30
3/4"x3/4"	72	67	29	32	85	51	37

R402D



G x B	H [mm]	I [mm]	J [mm]	K [mm]	L [mm]	M [mm]	W [mm]
1/2"x1/2"	61	62	17	27	94	51	30
3/4"x3/4"	70	70	21	32	108	51	37

Product specifications

R401D

Valve with thermostatic option, angle type, chrome plated with iron pipe connection. Body made of brass UNI EN 12165 CW617N. Building site protection handle made of PP-H. Monobloc control stem made of stainless steel. Tightness on the control stem with EPDM o-ring. Temperature range 5÷110°C. Maximum working pressure 16 bar (10 bar with thermostatic head). Available with 1/2"M and 3/4"M radiator connections with tailpiece without self-sealing. KEYMARK certification.

R402D

Valve with thermostatic option, straight type, chrome plated with iron pipe connection. Body made of brass UNI EN 12165 CW617N. Building site protection handle made of PP-H. Monobloc control stem made of stainless steel. Tightness on the control stem with EPDM o-ring. Temperature range 5÷110°C. Maximum working pressure 16 bar (10 bar with thermostatic head). Available with 1/2"M and 3/4"M radiator connections with tailpiece without self-sealing. KEYMARK certification.

Additional information

For additional information please check the website www.giacomini.com or contact the technical service: ☎ +39 0322 923372 ☎ +39 0322 923255 ✉ consulenza.prodotti@giacomini.com
 This pamphlet is merely for information purposes. Giacomini S.p.A. retains the right to make modifications for technical or commercial reasons, without prior notice, to the items described in this pamphlet. The information described in this technical pamphlet does not exempt the user from following carefully the existing regulations and norms on good workmanship.
 Giacomini S.p.A. Via per Alzo, 39 - 28017 San Maurizio d'Opaglio (NO) Italy