



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	25	0,26
1/2" (R401D-R402D)	R468C	150 kg/h	0,924		
3/4" (R401D)	R468C	240 kg/h	0,873		
3/4" (R402D)	R468C	240 kg/h	0,897	25	0,42
1/2" (R401D-R402D)	R468	150 kg/h	0,924		
3/4" (R401D)	R468	240 kg/h	0,873	26	1,2
3/4" (R402D)	R468	240 kg/h	0,897		
1/2" (R401D-R402D)	R470	150 kg/h	0,926		
3/4" (R401D)	R470	240 kg/h	0,873	26	1,2
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

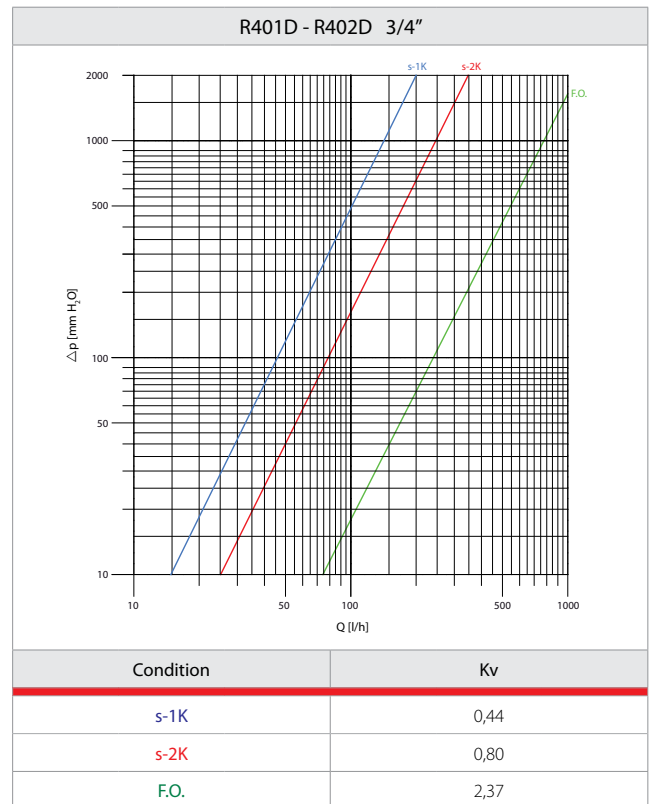
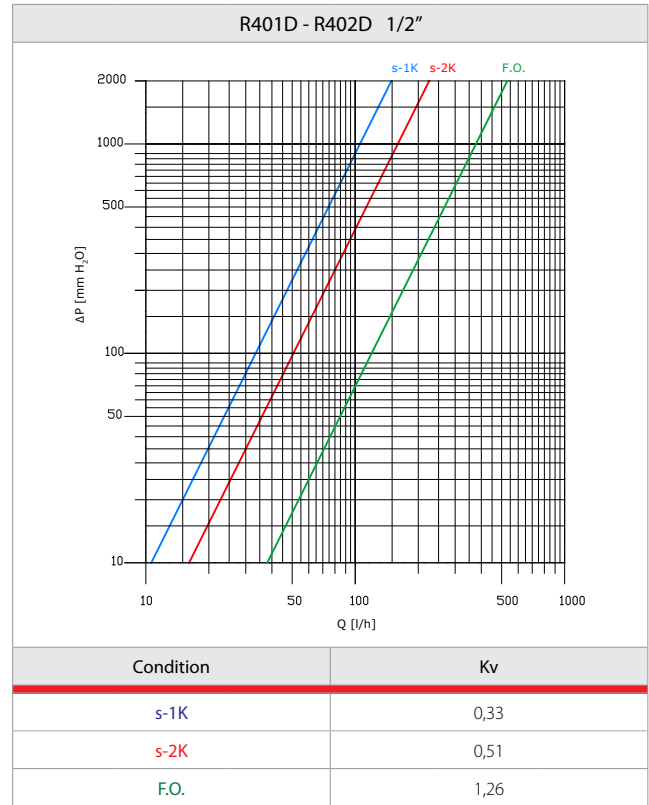
Min. calibration in combination with the thermostatic heads: 8 °C in * position

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°.

Testing

At the end of the assembly line, all valves are subjected to automatic dimensional controls and tightness tests, by using sophisticated electronic equipment. Moreover some samples are collected from the assembly dept. on statistics base and checked in the laboratory in order to guarantee the constancy of the features.

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
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