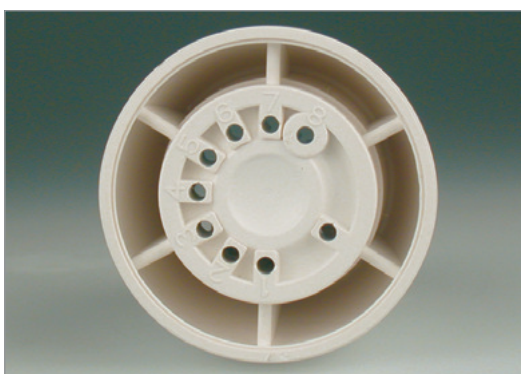


MICROMETRIC THERMOSTATIC VALVES

Micrometric adjustment

The series of micrometric thermostatic valves Giacotech features, in addition to a more comfortable operation handle and a series of parameters already widely described in the introduction, and the possibility of making the micrometric adjustment through which it is possible to separate the opening of the valve operating in manual. Removing the upper part of the handwheel access to the graduation scale is easy.



The adjustment can be made shifting the metal pin in the position that best suits one's needs, according to the specific diagrams reported in the Hydraulic Versions and Characteristics.

Technical Data


- Fluids: hot water
- Temperature range: 5 ÷ 110 °C
- Max operating pressure for manual applications: 16 bar
- Max operating pressure in association with thermostatic heads: 10 bar
- Max differential pressure:
 - 0,14 MPa (1,4 bar), 3/8" - 1/2" - 3/4" (except for F series)
 - 0,07 MPa (0,7 bar), 3/4" (only F series)
 - 0,04 MPa (0,4 bar), 1"

Materials

- Bodies, caps and pipe unions: brass UNI EN 12165 CW617N
- Operation handwheels: ABS
- Self-sealing: EPDM

Hydraulic versions and characteristics

In the following tables the values of Kv are reported according to the micrometric adjustment set positioning the metal pin (as described in the previous paragraph). $\Delta T=2K$ refers to the situation of valve with thermostatic head installed.



R431TG

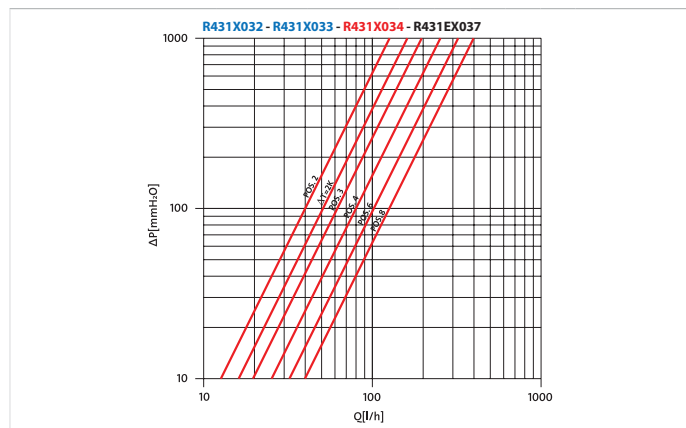
Micrometric angle valve with thermostatic option, chrome plated, adaptor connection and self-sealing tail piece.


PRODUCT CODE	SIZE	POSITION					$\Delta T=2K$
		2	3	4	6	8	
R431X032	3/8"x16	0,40	0,62	0,80	1,02	1,26	0,51
R431X033	1/2"x16	0,40	0,62	0,80	1,02	1,26	0,51
R431X034	1/2"x18	0,40	0,62	0,80	1,02	1,26	0,51
R431EX037	1/2"x3/4"E	0,40	0,62	0,80	1,02	1,26	0,51

NOTE

R178, R179 or R179AM adaptor connections to be used.

Use R178E, R179E adaptors for R431EX037





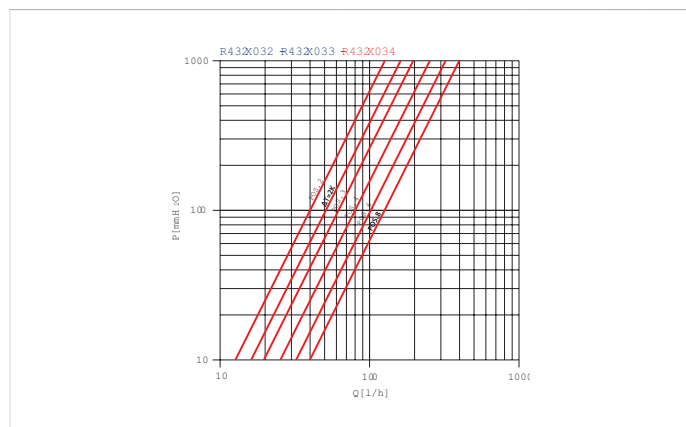
R432TG


Micrometric straight valve with thermostatic option, chrome plated, adaptor connection and self-sealing tail piece.

PRODUCT CODE	SIZE	POSITION					$\Delta T=2K$
		2	3	4	6	8	
R432X032	3/8"x16	0,40	0,62	0,80	1,02	1,26	0,51
R432X033	1/2"x16	0,40	0,62	0,80	1,02	1,26	0,51
R432X034	1/2"x18	0,40	0,62	0,80	1,02	1,26	0,51

NOTE

R178, R179 or R179AM adaptor connections to be used.





R421TG

Micrometric angle valve with thermostatic option, chrome plated, iron pipe connection and self-sealing tail piece.

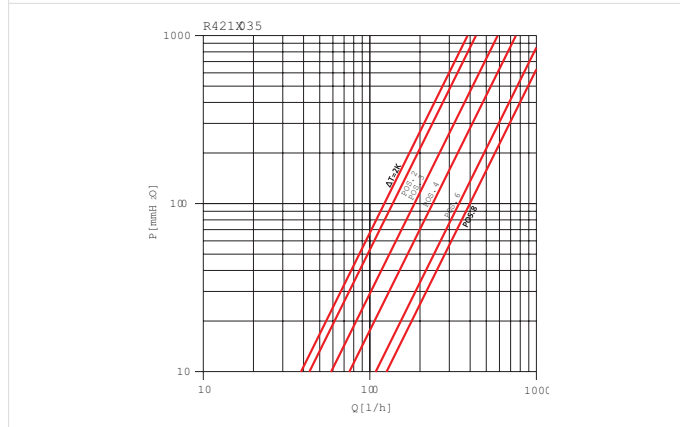
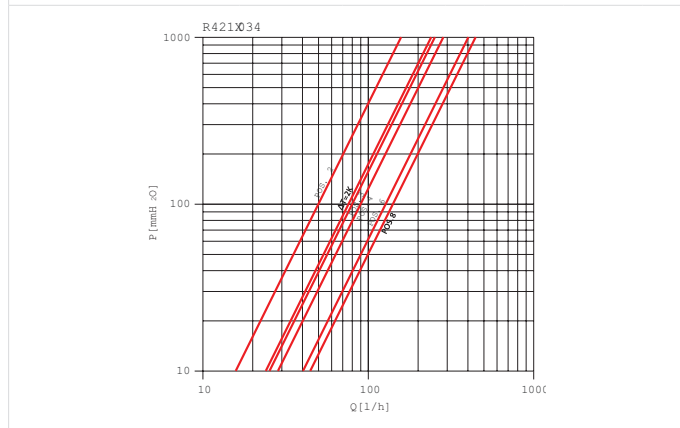
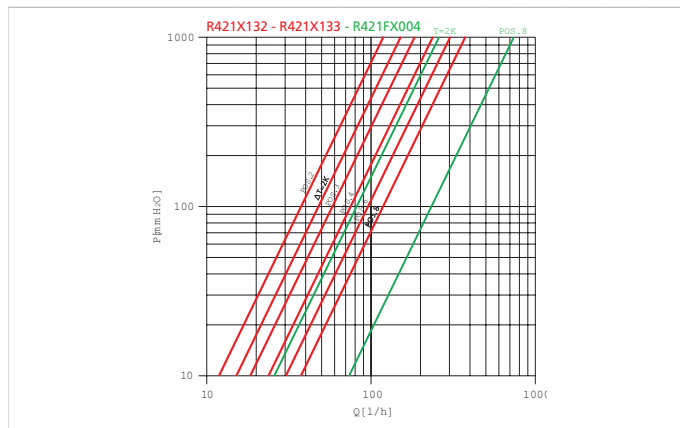
PRODUCT CODE	SIZE	POSITION					$\Delta T=2K$
		2	3	4	6	8	
R421X132	3/8"x3/8"	0,40	0,58	0,78	1,00	1,26	0,51
R421X133	1/2"x1/2"	0,42	0,62	0,80	1,02	1,26	0,51
R421FX004	3/4"x3/4"*	-	-	-	-	2,37	0,80
R421X034	3/4"x3/4"*	0,50	0,80	0,90	1,25	1,41	0,76
R421X035	1"x1"*	1,37	1,85	2,38	3,36	3,98	1,22

NOTE

* Tail pieces without self sealing

CERTIFICATION AND SYMBOLS R421X132-R421X133-R421FX004

028



LOCKSHIELDS

System adjustment.

In order to make available for the operator a complete installation system, the Giacotech series also includes lockshields, essential elements for proper system balancing.



This operation, to make according to design characteristics of the system and of hydraulic characteristics of the product at issue, is crucial to guarantee the proper operation of the system. Removing the upper cap you can reach easily the adjustment rod that should be operated with the help of a specific hexagonal wrench (R73). Starting from the position of all closed the shutter is opened according to what the system design provides for.

Technical data

- Fluids: hot water
- Temperature range: 5÷110 °C
- Max operating pressure for manual applications: 16 bar

Materials

- Bodies, caps and pipe unions: UNI EN 12165 CW617N brass
- Self-sealing: EPDM

R14TG

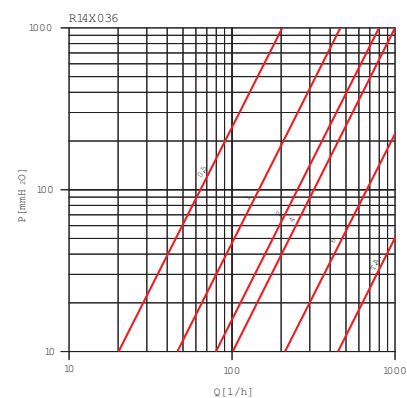
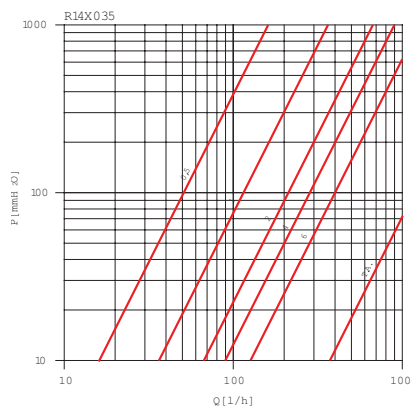
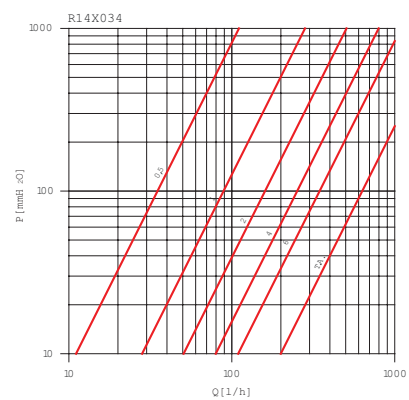
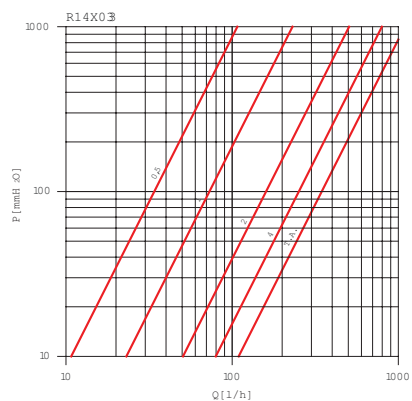
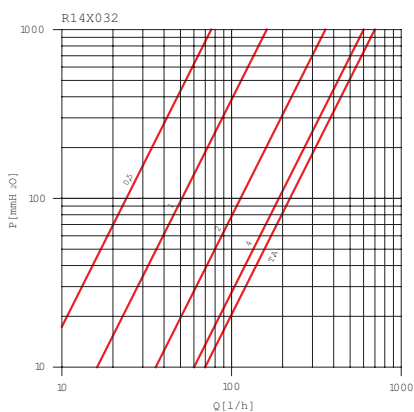
Angle lockshield valve, chrome plated, with iron pipe connection.



PRODUCT CODE	SIZE	NUMBER OF OPENING TURNS				T.A.
		0,5	1	2	4	
R14X032	3/8"x3/8"	0,24	0,51	1,13	-	2,21
R14X033	1/2"x1/2"	0,34	0,73	1,60	-	3,16
R14X034	3/4"x3/4"	0,35	0,89	1,60	3,46	6,32
R14X035	1"x1"	0,51	1,15	2,12	4,00	11,80
R14X036	1"x1/4x1"x1/4"	0,64	1,46	2,52	6,70	14,10

NOTE

*Tail pieces without self sealing - Brass caps.



R15TG

Straight lockshield valve, chrome plated, with iron pipe connection.



PRODUCT CODE	SIZE	NUMBER OF OPENING TURNS					T.A.
		0,5	1	2	4	6	
R15X032	3/8"x3/8"	0,21	0,46	0,89	0,98	-	1,33
R15X033	1/2"x1/2"	0,27	0,59	1,20	1,60	-	1,83
R15X034	3/4"x3/4"	0,35	0,94	1,76	2,50	3,46	4,71
R15X035	1"x1"	0,48	1,17	1,87	3,00	4,71	8,94
R15X036	1"x1/4x1"x1/4"	0,70	2,00	4,42	8,16	9,48	11,20

NOTE

*Tail pieces without self sealing - Brass caps.

