BRILLIANT CHROME PLATING MICROMETRIC VALVES WITH THERMOSTATIC OPTION FOR TOWELDRYERS
T431C - T432C

T431C | T432C

Description

The T431C and T432C micrometric valves with thermostatic option are designed with a particular focus on the aesthetics of the product, with rounded forms and brilliant chrome plating on the components.
Their principal use is in heating systems for toweldryers and heated towel rails, or wherever a particular look is desired.
The T431C and T432C micrometric valves with thermostatic option can be co-ordinated with the T29C and T31C brilliant chrome lockshield valves, which intercept and balance the circuits, leaving the manual valve with the sole task of intercepting the flow when the user does not wish to heat the toweldryer.

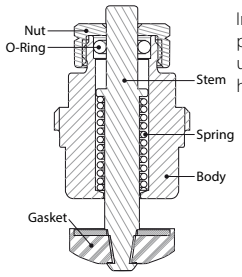
Versions and product codes

Product code	Connections	Type	Corresponding lockshield valve
T431CX003	1/2" x 16	angled	T29CX003
T432CX003	1/2" x 16	straight	T31CX003

Additional accessories

T470CX001: brilliant chrome thermostatic head with CLIP CLAP connection
For connection to the pipe use adaptors T178C and T179M.

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

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

Main features

Micrometric adjustment

The micrometric valves with thermostatic option are characterised by the fact that they allow micrometric adjustment, through which it is possible to partially open a manual function valve.
Removing the upper part of the handwheel provides easy access to the graduation scale.
Adjustment is carried out by moving the metal pin into the most appropriate position for requirements, in accordance with the dedicated diagrams shown in the section on losses of pressure.

Technical data

- Temperature range: 5÷110 °C
- Max. working pressure: 16 bar (10 bar with thermostatic head)
- Maximum differential pressure: 1,4 bar

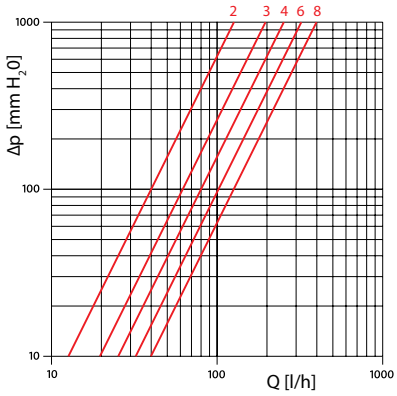
Materials

- Body and components: brass UNI EN 12165 CW617N, with brilliant chrome plating
- Integrated command stem: stainless steel
- Seal on command stem with O-ring: EPDM
- Handwheel: Chrome-plated ABS
- Self-sealing tail piece: EPDM

Losses of pressure

Losses of pressure of the valve in accordance with the **micrometric adjustment** made by positioning the metal pin (as described in the paragraph on main features).

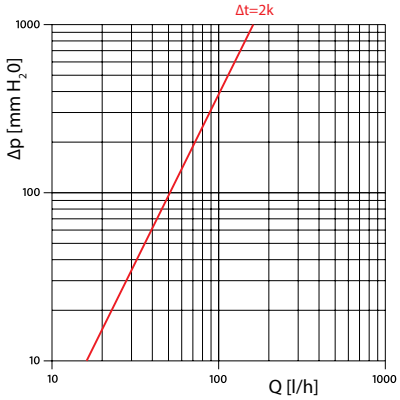
T431C - T432C



Nr. of opening turns	Kv
2	0,40
3	0,62
4	0,80
6	1,02
8	1,26

Losses of pressure in valve in the **thermostatic version** and opening corresponding to Δt=2K.

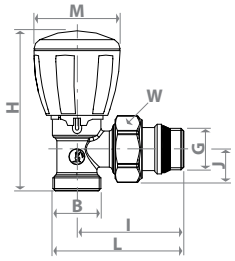
T431C - T432C



Position	Kv
Δt = 2K	0,51

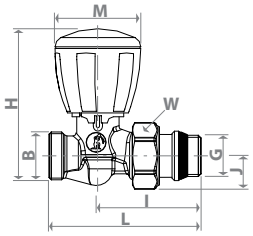
Dimensions

T431C



Product code	G x B	H [mm]	I [mm]	J [mm]	L [mm]	M [mm]	L [mm]
T431CX003	1/2" x 16	75	53	21	74	42	30

T27C



Product code	G x B	H [mm]	I [mm]	J [mm]	L [mm]	M [mm]	L [mm]
T432CX003	1/2" x 16	79	51	17	75	42	30

Product specifications

T431C

Angled valve for micrometric toweldryers with thermostatic option, brilliant chrome-plating, with connection for adaptor for copper / plastic / multilayer pipe. Body in brass UNI EN 12165 CW617N. Handwheel for manual command in ABS with brilliant chrome-plating. Integrated command stem in stainless steel. Seal on command stem with O-ring in EPDM. Temperature range 5÷110 °C. Max. working pressure 16 bar (10 bar with thermostatic head). 1/2"M radiator connection with self-sealing tail piece in EPDM and connection for T178C and T179M adaptors.

T432C

Straight valve for micrometric toweldryers with thermostatic option, brilliant chrome-plating, with connection for adaptor for copper / plastic / multilayer pipe. Body in brass UNI EN 12165 CW617N. Handwheel for manual command in ABS with brilliant chrome-plating. Integrated command stem in stainless steel. Seal on command stem with O-ring in EPDM. Temperature range 5÷110 °C. Max. working pressure 16 bar (10 bar with thermostatic head). 1/2"M radiator connection with self-sealing tail piece in EPDM and connection for T178C and T179M adaptors.