

9TB1

Low Lead DZR Brass Thermostatic Balancing Valve



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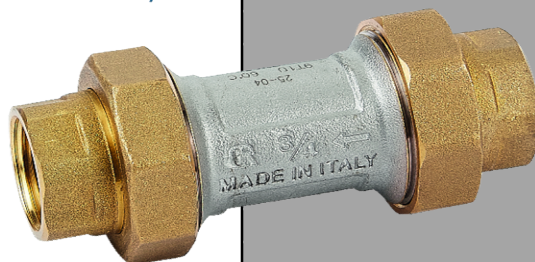


Low lead DZR brass automatic thermostatic balancing valve
With threaded union F/F ends (ISO 7/1 Rp)
Wide range of setting temperature available
NSF/ANSI/CAN 61 & 372 certified

PN16 Valve housing Rating

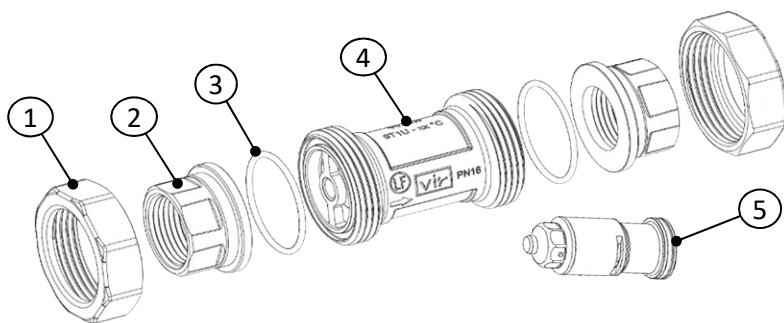
Working conditions

- Suitable for: water, 0°C to +90°C



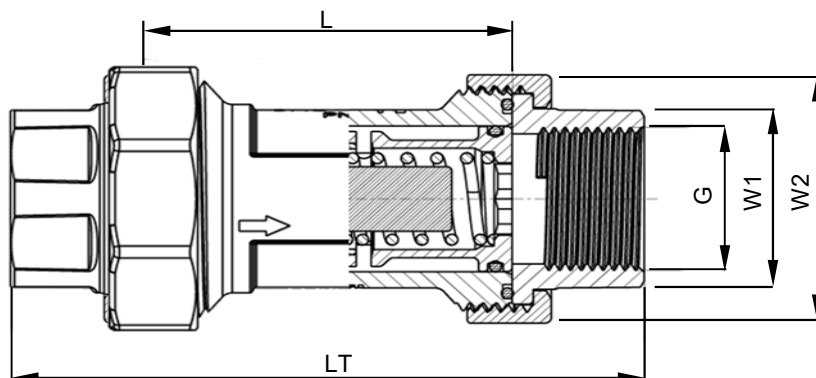
PARTLIST

N.	Part	Material	Norm
1	Union nut	Brass	CW617N
2	Union	Low lead DZR Brass	CW511L
3	Union O-ring	EPDM Perox	-
4	Body	Low lead DZR Brass	CW511L
5	Inner cartridge	Low lead Brass + Stainless steel	CW509L + AISI 302



DIMENSIONS

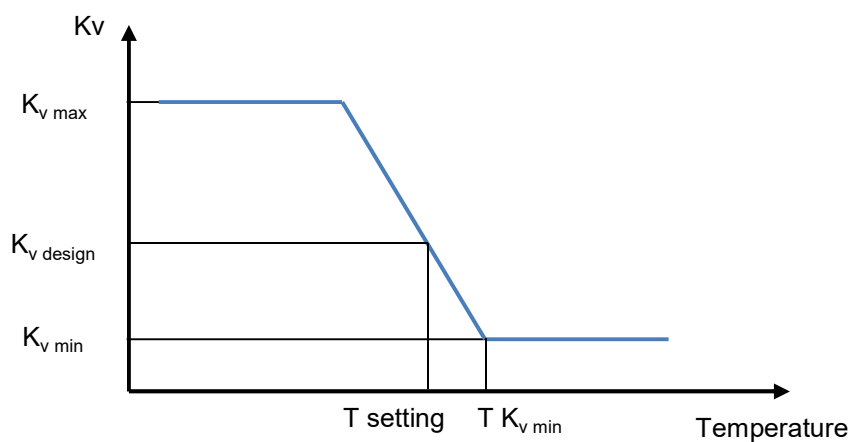
DN	G	W1 [mm]	W2 [mm]	L [mm]	L2 [mm]	Weight [g]
015	1/2"	25	37	57	97,0	398
020	3/4"	31	46	62	105,5	585
025	1"	38	52	63	113,4	788



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VALVE REGULATION DATA

Valves are available in different ranges of setting temperature. The Kv value of the valve change with the temperature variation according the following graph and table:



DN	K _v max [m ³ /h]	K _v design [m ³ /h]	K _v min ¹ [m ³ /h]
015	1,30	0,50	0,11
020	1,70	0,70	0,16
025	3,30	1,30	0,24

¹Valve never fully close, there will be always a bypass flow to avoid pump deadheading and guarantee thermal actuator correct sensitivity

T setting: 46, 49, 54, 60, 66 °C (laser marked on the body)

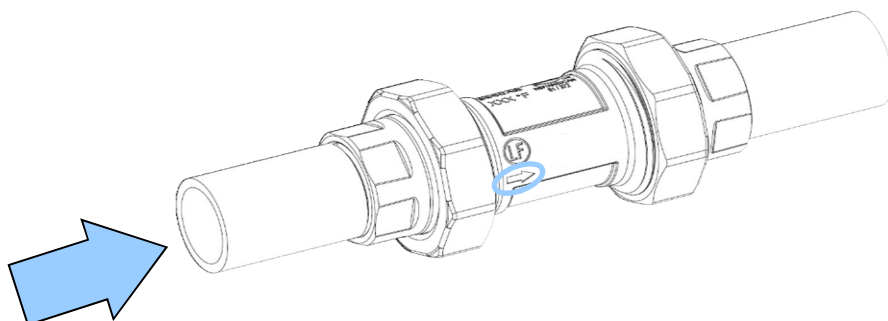
K_v min reached 1,5 °C above the T setting

K_v max reached 4,5 °C below the T K_v min

INSTALLATION

Install the valve so that the flow direction matches the direction of the arrow indicated on the body of the valve. Perform correct flushing of the plant before installing the cartridge.

In order to obtain the best correct flowrate regulation the valves should be installed using pipes of its same nominal size. Water quality should be according VDI 2035. Use at least one strainer for each installation.



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