

9T1 series

Straight DZR Brass Automatic Thermostatic Balancing Valve



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DZR brass automatic thermostatic balancing valve
With threaded union F/F ends (ISO 7/1 Rp)
Wide range of setting temperature available

PN16 Valve housing Rating

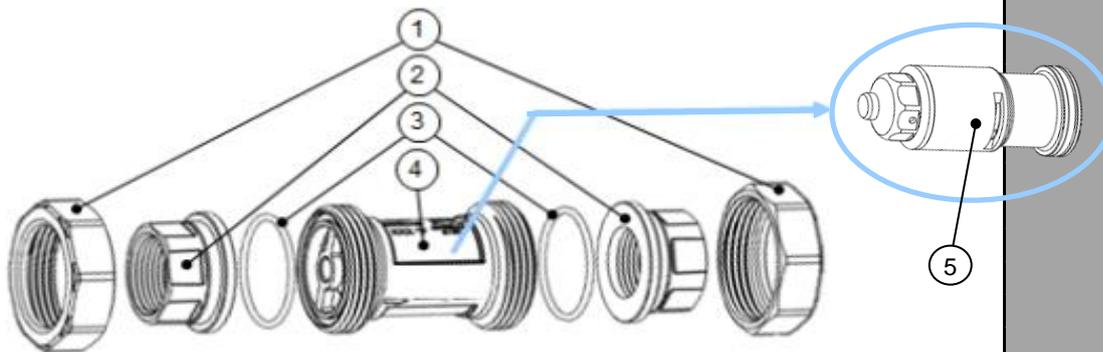
Working conditions

- Suitable for: water, 0°C to +90°C



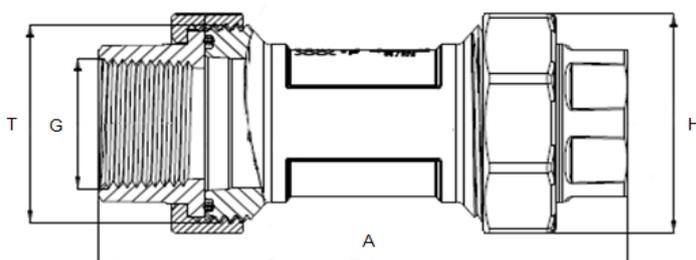
PARTLIST

| N. | Part | Material | Norm |
|----|-----------------|----------------------------------|-------------------|
| 1 | Union nut | Brass CW617N | EN12165 |
| 2 | Union | DZR Brass CW602N | EN12165 |
| 3 | Union O-ring | EPDM Perox | - |
| 4 | Body | Low lead DZR Brass CW511L | EN 12165 |
| 5 | Inner cartridge | Low lead Brass + Stainless steel | CW509L + AISI 301 |



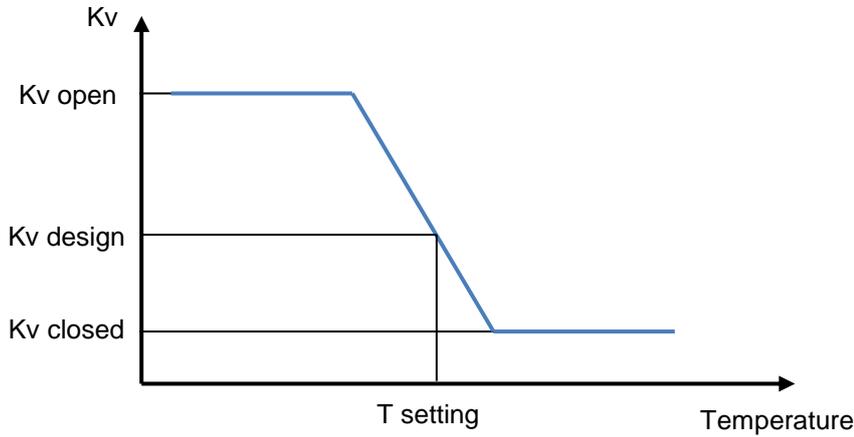
DIMENSIONS

| DN | G | T [mm] | H [mm] | A [mm] | Weight [g] |
|-----|------|-----------|-----------|-----------|---------------|
| 015 | 1/2" | 25 | 37 | 97,0 | 398 |
| 020 | 3/4" | 31 | 46 | 105,5 | 585 |
| 025 | 1" | 38 | 52 | 113,4 | 788 |



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 open [m ³ /h] | K _v design [m ³ /h] | K _v closed 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 |

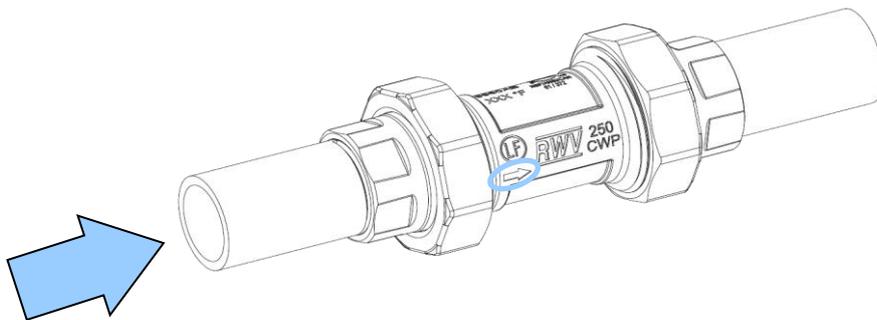
¹Valve never fully close, there will be always a bypass flow to avoid pump deadheading and guarantee thermal actuator correct sensitivity

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

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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