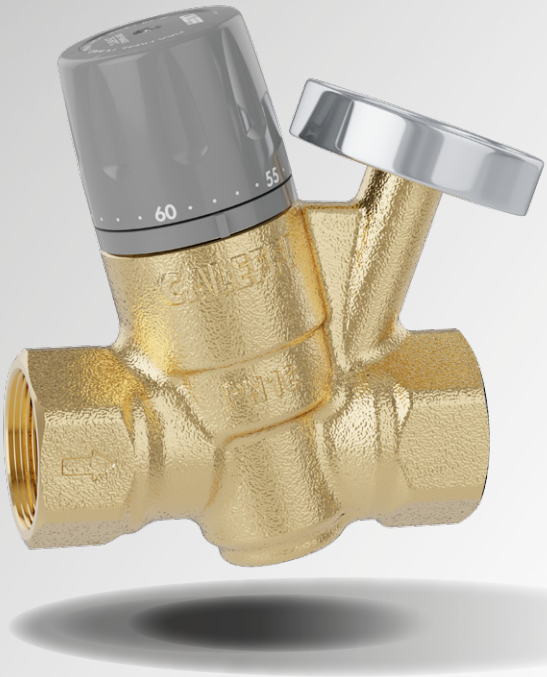
THERMOSTATIC BALANCING VALVE

20MM

CALEFFI Hydronic Solutions

ATS 5200.468
C of C 040195

Pb LOW LEAD



AUTOMATIC BALANCING OF HOT WATER FLOW AND RETURN SYSTEMS

FUNCTION AND FEATURES

- **Accurate balancing of each circuit**
  No ‘trial and error’ or guessing of flow rates. The ideal flow is always achieved.
- **Reduced commissioning cost.**
  Just ‘set and forget’ the temperature with no experience or expensive equipment required.
- **Dynamically balances each circuit**
  The valve automatically adjust to fluctuating demands and system changes.
- **Dry fit thermometer**
  Easily adjustable betwen 40 - 65ºC and can be verified on the supplied temperature gauge.

PRODUCT DETAILS

The thermostatic regulator, installed on each return branch of the recirculation circuit, automatically maintains the set temperature. This device modulates the flow rate in accordance with the water inlet temperature by means of the action of a dedicated internal thermostatic cartridge. When the water temperature approaches the set value, the obturator progressively reduces the passage. The flow rate supplied by the recirculation pump is thus distributed to the other network branches, resulting in effective automatic thermal balancing.

A maximum flow rate of 0.08l/s is suggested for design purposes.

Temperature Setting

The regulator is supplied with a factory temperature setting of 58°C. The temperature is set at the desired value by turning the adjustmment knob. The graded scale shows the temperatures to which the indicator can be set. After adjustment, the knob can be removed and repositioned over the locking slot to prevent tampering.

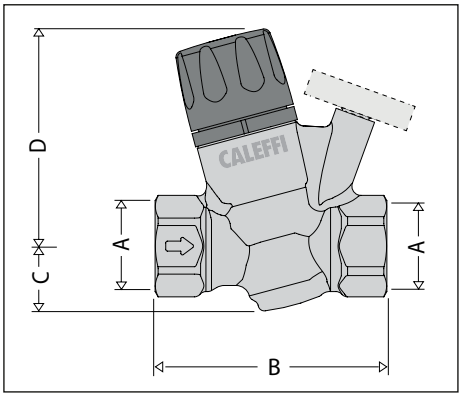
Checking Temperature

The valve is supplied with a temperature gauge which allows for a quick check that the valve is balancing the water to the correct set temperature.

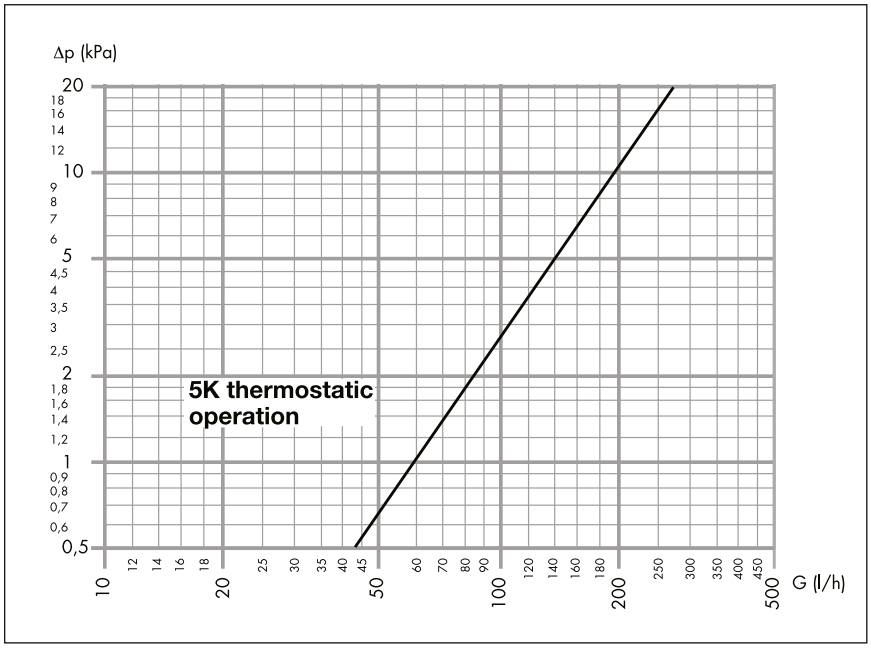
PERFORMANCE	
TEMPERATURE ADJUSTMENT RANGE	40-65ºC
TEMPERATURE CONTROL	± 2ºC
KV MAX (m^3/h)	1.8
KV MIN (m^3/h)	0.3
KV (DT = 5°C) (m^3/h)	0.6
MAX WORKING TEMPERATURE	90ºC
MAXIMUM WORKING PRESSURE	1,600kPa
TEMPERATURE GAUGE	Ø 40mm

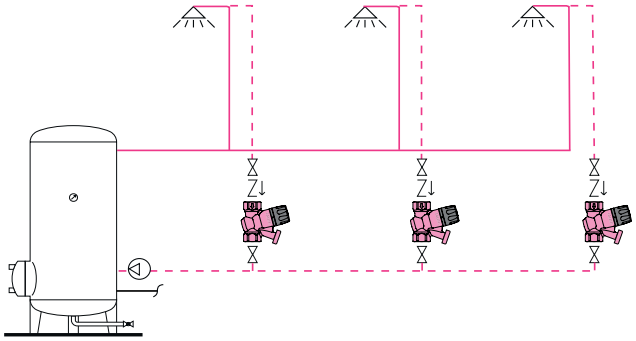
CODE	DESCRIPTION
116451	Thermostatic Balancing Valve 20mm

DIAGRAM



CODE	116451
A	20mm
B	76.5
C	21.5
D	71.5





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