

Tutte le cartucce vengono tarate in stabilimento a $38^{\circ}\text{C} \pm 1$ con differenziale termico di 50°C ; pressioni in entrata di 3 bar.

Con differenti parametri idraulici potrebbe essere necessaria una nuova taratura, da eseguirsi in loco.

All thermostatic cartridge are calibrated at the factory at 38°C +/-1 (100°F +/-1) and temperature differential of 50°C (122°F) at 3 bar (43.5 psi) pressure.

With different hydraulic parameters, a new calibration may be necessary on place.

The technical drawing consists of two views of a mechanical component.

Top View (Side View):

- Total length: 53.9
- Distance from left end to first step: 9.4
- Distance between steps: 26.2
- Distance from second step to right end: 49.6
- Leftmost diameter: $\varnothing 33.5$
- First step diameter: B7 23x60
- Second step diameter: B7 10x24
- Diameter of main body: $\varnothing 31.8$
- Internal thread section: M5
- Distance from internal thread to start of main body: 8.6
- Distance from internal thread to centerline: 19.4
- Main body diameter: $\varnothing 31$
- Rightmost diameter: $\varnothing 8$
- Overall width at base: 44.3

Bottom View (Cross-section):

- Outer diameters from left to right: 57 ± 0.1 , 38.6 ± 0.1 , 27.5 ± 0.1 , 18.1 ± 0.1 , 6.8 ± 0.1 .
- Inner diameters from left to right: 29.635 ± 0.025 , 31.535 ± 0.025 , 31.535 ± 0.025 , 32.635 ± 0.025 .
- Lengths from left face: 40 MIN, 40 MIN, 40 MIN.
- Internal features: R0.5, R0.5, R0.5.
- Threaded hole: M6x1.
- Surface texture symbol: R_{max} .
- Angle: $\varnothing 12^\circ$.
- Final outer diameter: $\varnothing 34.25 \pm 0.08$.
- Final inner diameter: $\varnothing 32.635 \pm 0.025$.
- Small dimension at bottom right: 4.25 ± 0.05 .

Dimensioni in mm. - Dimensions in mm.

The graph illustrates the relationship between flow rate and pressure for two different temperatures. The x-axis represents pressure in Bar, ranging from 0.5 to 5.0. The y-axis represents flow rate in l/min, ranging from 0 to 45. Two curves are shown: a blue curve for 38°C and a red curve for 100°F. Both curves show a positive correlation between pressure and flow rate, with the 100°F curve consistently higher than the 38°C curve.

Pressure (Bar)	Flow rate (l/min) at 38°C	Flow rate (l/min) at 100°F
0.5	9	10
1.0	16	17
1.5	22	23
2.0	27	28
2.5	31	32
3.0	35	36
3.5	38	39
4.0	41	42
4.5	43	44
5.0	45	46

MATERIALI		MATERIALS
Corpo e valvola	PSU	Body and head
Molle	AISI302	Springs
Guarnizioni	EPDM	O-Ring
Asta e vite	CW617N	Rod and screw
Elemento sensibile	EPDM	Sensitive element
	CuZn36Pb2As	
Filtri	AISI304L	Filters
Seeger	CuSn6	Seeger