



EOS

Datasheet

EOS 7T00 Thermostatic valve with flow pre-setting

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LINE 7T00**Thermostatic valves with pre-setting****DESCRIPTION**

EOS thermostatically controlled valves with pre-calibration (7T00 Series) are devices that intercept the flow of liquids such as hot/cold water in heating and cooling systems.

The valves with thermostatic screw can be combined with the thermostatic head that allows to set the specific temperature of each room independently, granting greater comfort and energy savings.

Moreover, within the valve body, there's a selector with various flow crossing sections that determine the flow rate.


The maximum flow rate is set by rotating the shaft into the desired position.

The use of thermostatically controlled valves alongside thermostatic controls makes it possible to maintain a constant temperature in a room, guaranteeing effective energy savings.

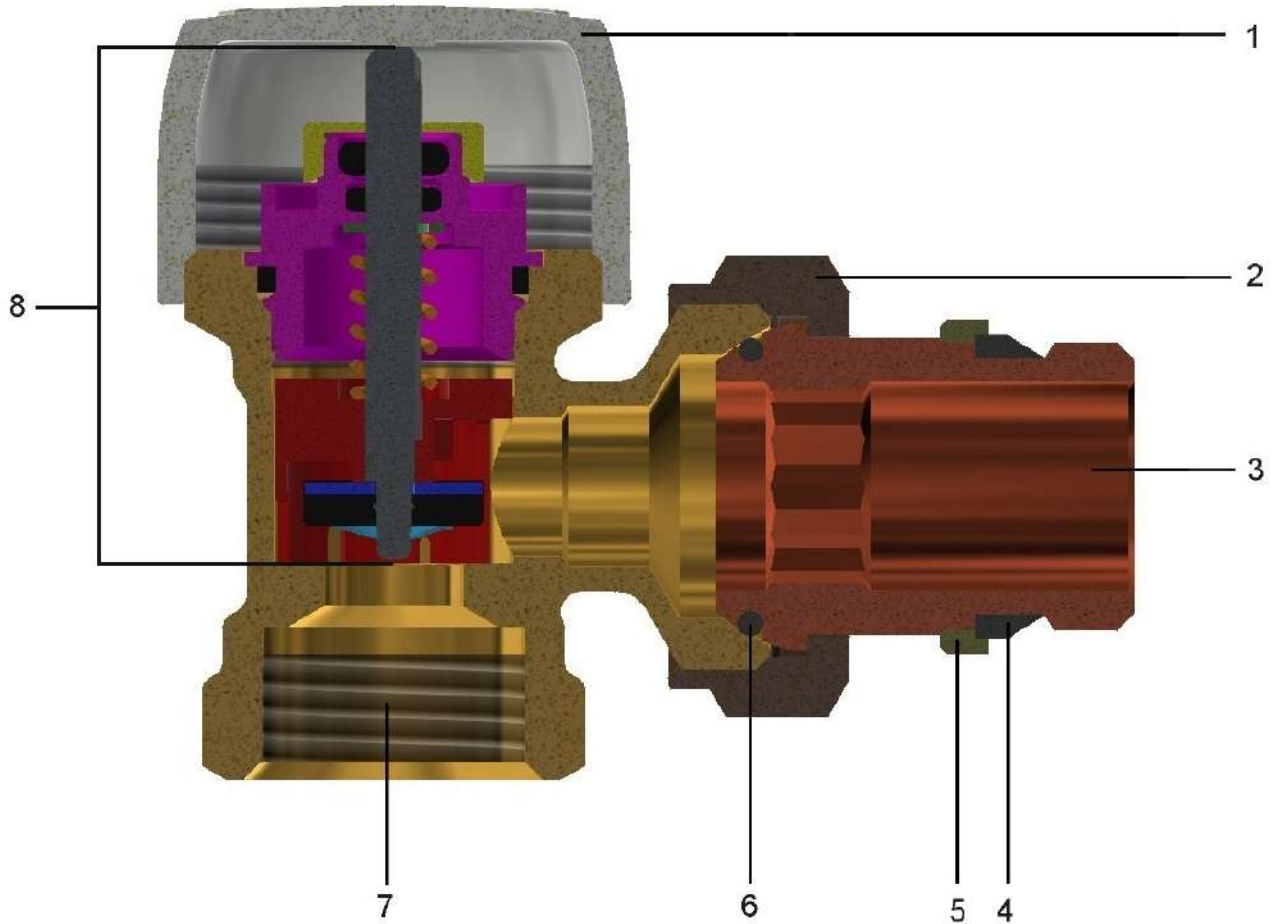
ADVANTAGES








- Pipe union with pressure-tight gasket
- Speed and precision in balancing the system
- Comfort and energy savings with thermostatic heads
- 6 DIFFERENT POSITIONS to pre-calibrate the flow
- Can be combined with the thermostatic head to set an independent temperature in every room
- Raw materials complying with UBA LIST





FIELDS OF APPLICATION

APPLICATIONS		Min. temp.	T. max	Max. pressure	Diff. press.
	radiators	-20°C	+100°C	10 bar	1 bar
-20°C: only with antifreeze liquid (glycol) in % max of 30%					

COMPONENTS AND MATERIALS: VALVE 7T00



LEGEND		COMPONENTS	MATERIALS
	1	Handle	ABS white RAL 9010
	2	Nut	Brass CW617N - UNI EN 12165
	3	Pipe union	Brass CW617N - UNI EN 12164
	4	Pipe union seal	Elastomer
	5	Ring	Brass CW617N - UNI EN 12164
	6	O-Ring pipe union	Elastomer
	7	Body	Brass CW617N - UNI EN 12165
	8	Headwork	

LEGEND		COMPONENTS	MATERIALS
	8a	Control stem body	Brass CW617N - UNI EN 12164
	8b	Shaft, Seeger retaining ring, spring, washer	Stainless steel
	8c	Selector	Polyacetal
	8d	O-ring and control stem seal	Elastomer

REGULATIONS

- UN EN ISO 228-1

Threads complies with UNI EN ISO 228-1:2003 law: "Piping thread for coupling not with thightness on the thread"

CERTIFICATIONS

COUNTRY	CERTIFICATION	COUNTRY	CERTIFICATION	COUNTRY	CERTIFICATION
					

FUNCTIONING

The shaft has a reference notch. By rotating the shaft and aligning the reference notch with the numbers (1 to 6) found on the valve body, it is possible to select the various flow crossing sections.



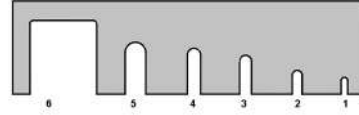
Each position corresponds to a specific value expressed in Kv (flow factor). By selecting the desired setting, the system is properly balanced.



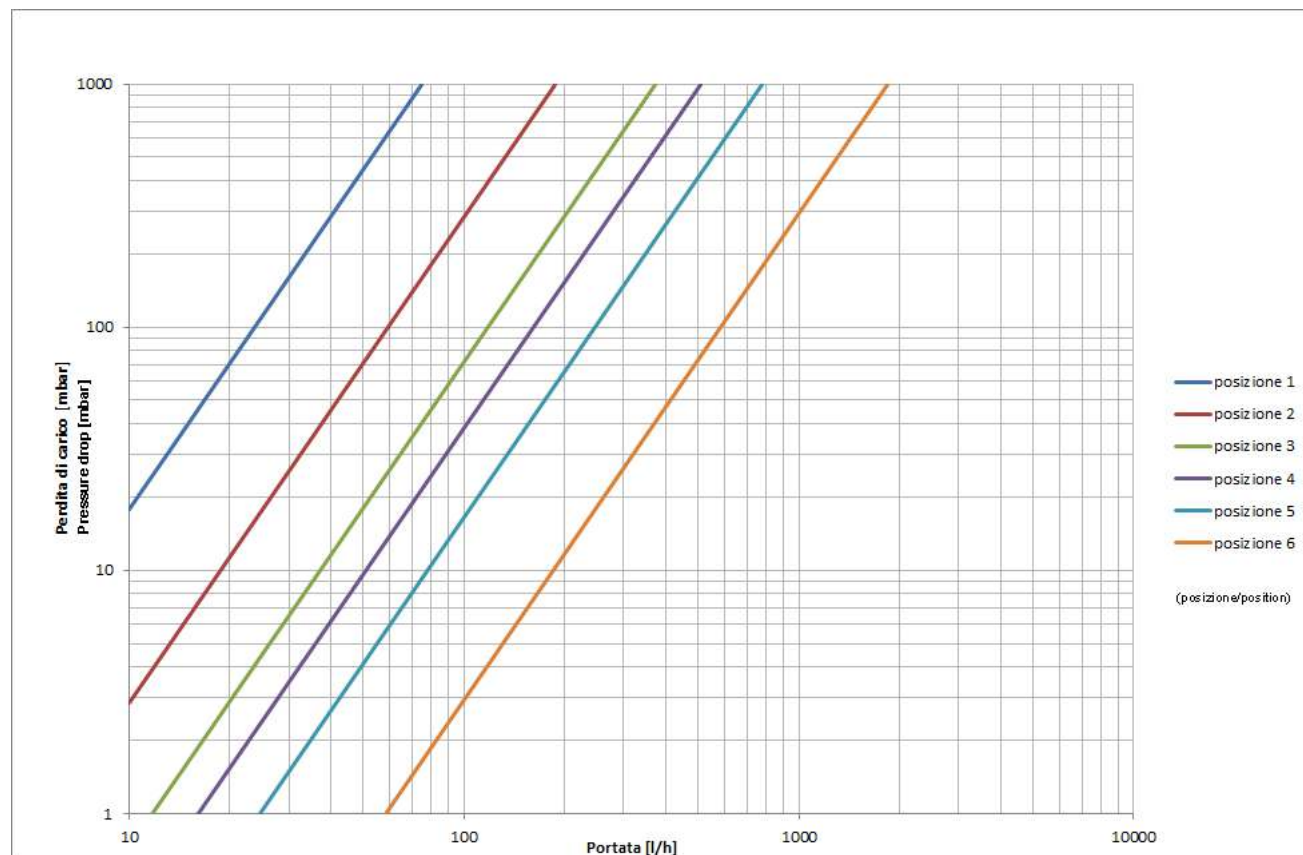
This device makes it possible to speed up the balancing procedure, which is especially advantageous during operation with simultaneous thermal loads. (The image shows an example of calibration)



The valves are provided with a factory pre-calibration setting at position 6.

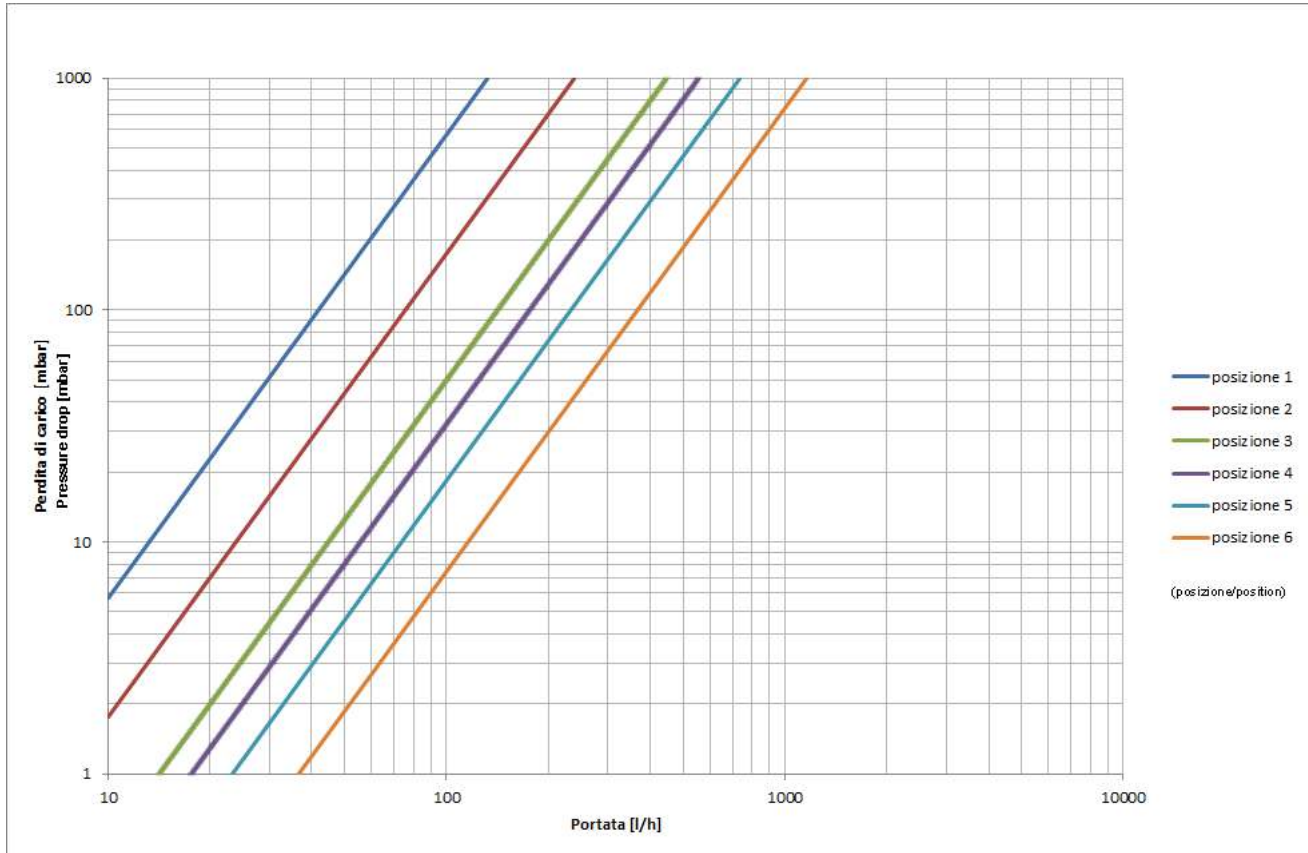


FLOW RATE 7T00.77 - 90° (angle valve)

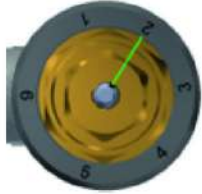
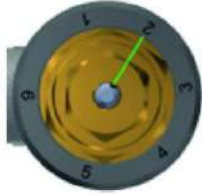
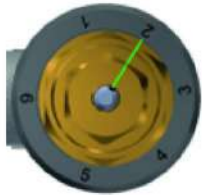
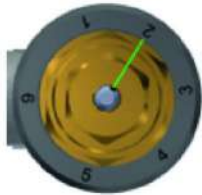
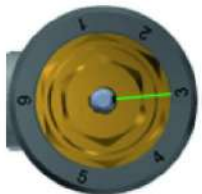
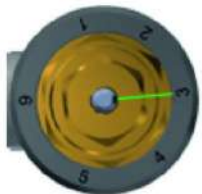
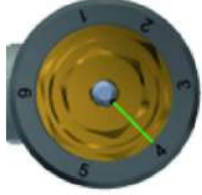
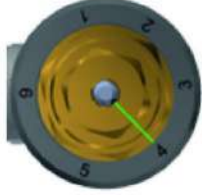
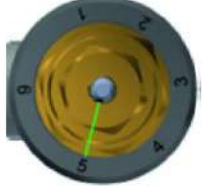
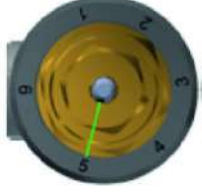
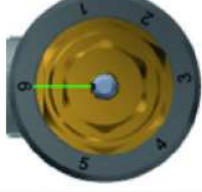
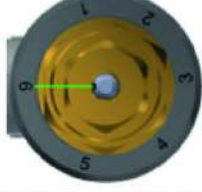


POSITION	Kvs (m ³ /h)
1	0.08
2	0.19
3	0.37
4	0.51
5	0.78
6	1.84

FLOW RATES 7T00.77 (straight valve)



POSITION	Kvs (m ³ /h)
1	0.13
2	0.24
3	0.45
4	0.56
5	0.73
6	1.16

7T00.77-90° VALVOLA A SQUADRA/ANGLE VALVE			7T00.77 VALVOLA DRITTA/STRAIGHT VALVE		
Posizione/Position		Kvs (m ³ /h)	Posizione/Position		Kvs (m ³ /h)
1		0,08	1		0,13
2		0,19	2		0,24
3		0,37	3		0,45
4		0,51	4		0,56
5		0,78	5		0,73
6		1,84	6		1,16



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