

# 226 thermostatic

radiator valves



028

**altecnic**  
CALEFFI group

# 226 thermostatic radiator valves

## Function

Thermostatic valves are typically used for regulating the fluid flow to the radiators of central heating systems.

They are provided with a regulating element which automatically controls the opening of the valve to keep the ambient temperature of the room where they are installed constant at the set value. This prevents unwanted temperature rises and achieves considerable energy savings.

## Product Code Comprising thermostatic control head code 200000 with

200410 LTC	angled thermostatic radiator valve DN 10 (code 226300)
200410 LTC CP	angled thermostatic radiator valve DN 10 (code 226300) chrome polish
200415 LTC	angled thermostatic radiator valve DN 15 (code 226400) with rubber seal
200415 LTC CP	angled thermostatic radiator valve DN 15 (code 226400) with rubber seal, chrome polish
200420 LTC	angled thermostatic radiator valve DN 10 (code 226300) chrome polish
200425 LTC CP	angled thermostatic radiator valve DN 15 (code 226400)
200435 LTC	angled thermostatic radiator valve DN 15 (code 226400)
200440 LTC	straight thermostatic radiator valve DN 10 (code 226300) including straight lockshield valve DN 10 chrome polish
200445 LTC	angled thermostatic radiator valve DN 15 (code 226400) including angled lockshield valve DN 15 chrome polish
200465 LTC	straight thermostatic radiator valve DN 15 (code 226401)
200475 LTC	straight thermostatic radiator valve DN 15 (code 226401) including straight lockshield valve DN 15
200485 LTC	straight thermostatic radiator valve DN 15 (code 226401) including straight lockshield valve DN 15
KIT410415 LTC	angled thermostatic radiator valve DN 15 (code 226400) including angled lockshield valve DN 15 chrome polish without control head 200000

## Technical specification of valve bodies

Medium:	water, glycol solutions
Max percentage of glycol:	30%
Max differential pressure with control fitted:	1 bar
Max working pressure:	10 bar
Temperature range of fluid:	5 to 100°C

## Technical specification of control head

Scale of adjustment:	* to 5
Setting temperature range:	7 to 28°C
Frost protection cut-in:	7°C
Max ambient temperature:	50°C
Storage temperature:	-10 to 50°C

Altecnic 226 thermostatic radiator valves in combination with control head 200000, are approved to standard EN 215.

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## Technical specification of control head

Hysteresis	Differential pressure influence	Water temperature influence	Response time	Control accuracy value
C	D	W	Z	CA
0.4K	0.5K	1K	18 minutes	0.6K

Company identity number:

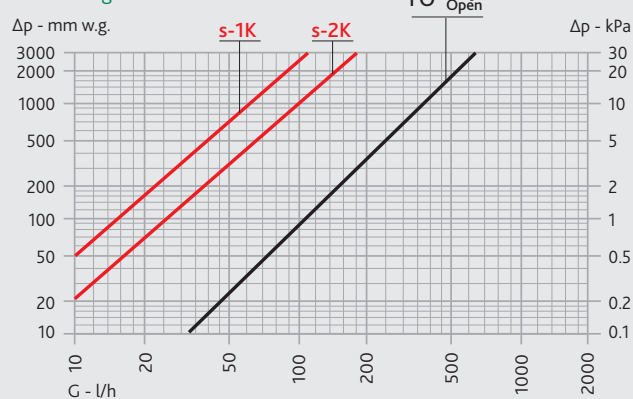
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## Flow curves

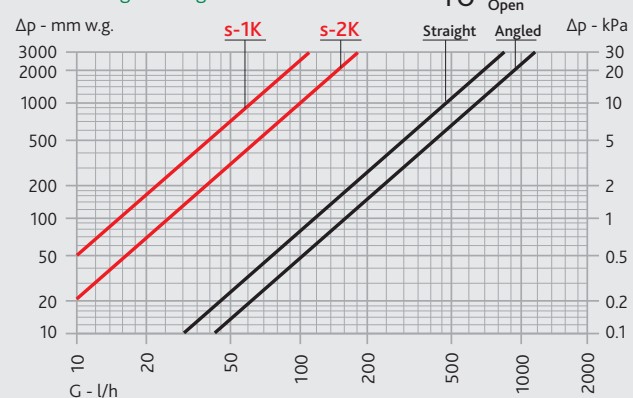
The head loss diagrams are obtained with the thermostatic control head in position 3 and a difference between the ambient temperature and the set temperature of 1K and 2K (curves s-1K and s-2K respectively) as well as with the thermostatic control head fully open, corresponding to the maximum opening of the valve.

For thermotechnical calculations, the pressure loss can be considered equal with optimal approximation.

### DN10 - Angled



### DN15 - Straight & Angled



Series - Size	Body Type	Nom. Flowrate	Authority	Kv - m³/h		Full Open
				Proportional band - K	Kvs	
226 - DN10	Angled	110	0.94	0.30	0.32	1.8
226 - DN15	Angled	100	0.94	0.30	0.32	1.8
226 - DN15	Straight	100	0.94	0.30	0.32	1.25

Kv = Volume flow in m³/h producing a pressure drop of 0.1 bar.

Kvs = Kv with valve fully open (thermostatic controller removed).