

## Radiator valve 131UMSN12



|                   |                            |
|-------------------|----------------------------|
| <b>Series</b>     | F special                  |
| <b>body</b>       | straight                   |
| <b>DN</b>         | 15 – 1/2"                  |
| <b>connection</b> | iron pipe                  |
| <b>Handwheel</b>  | protection cap             |
| <b>Tail-piece</b> | cylindrical sealed with OR |

## Actuator to be coupled with radiator valve Series 131UMSN12

The straight body valve, Series F special, DN 1/2", code 131UMSN12, coupled with actuators **Series 148** and **148A** is certified in compliance with the norm **UNI EN 215**. The valve and the actuators are marked with Keymark:



Actuator Series  
**148**

Actuator Series  
**148A**

## Technical features valve 131UMSN12

|   |                            |
|---|----------------------------|
| nominal pressure PN                     | 10 bar                     |
| maximum admissible static pressure      | 10 bar                     |
| maximum differential pressure           | 1,5 bar                    |
| maximum temperature                     | 110°C                      |
| q <sub>m</sub> N                        | 225 l/h ± 10%              |
| hysteresis                              | 0,6° C                     |
| differential pressure influence         | 0,5 °C                     |
| fluid temperature influence             | 1,4 °C                     |
| response time                           | 22 minutes                 |
| minimum setting of temperature selector | 8°C (anti-freezing mark *) |

*The protection cap has not the regulating function, but only shut off function.*

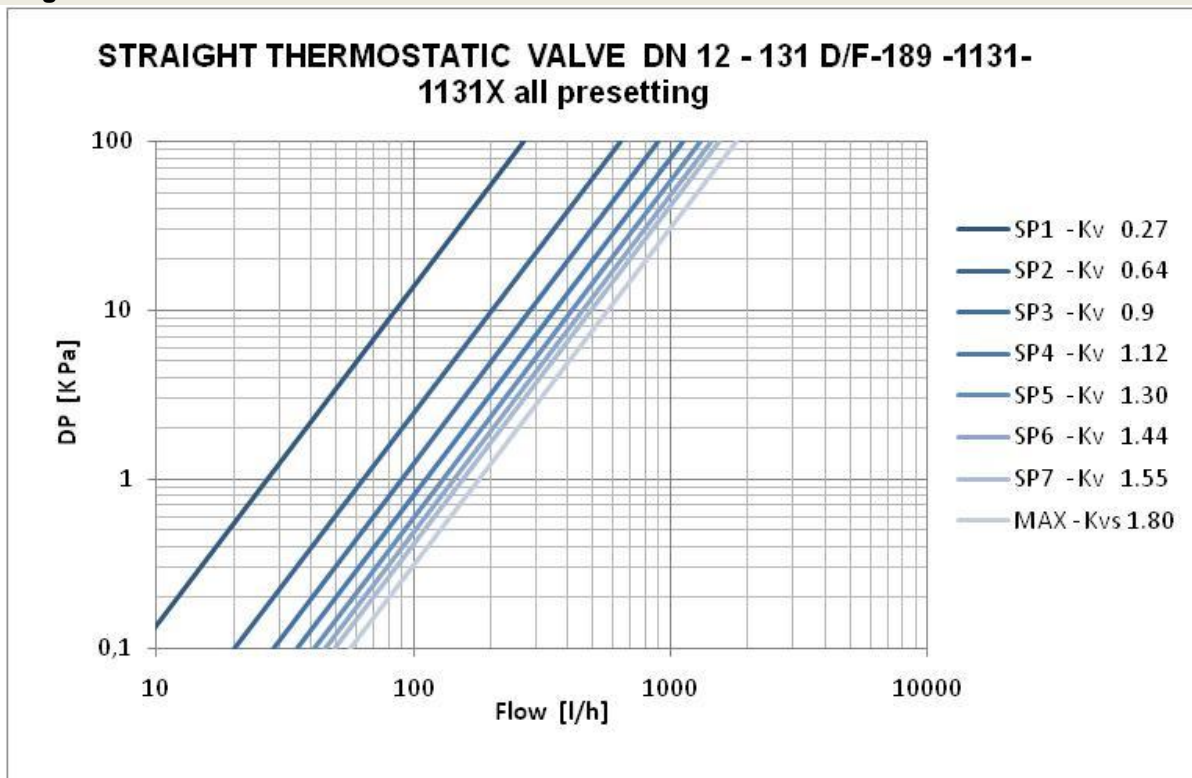
The valve sealing can be substituted without emptying the circuit, in compliance with the norm UNI EN 215.

| Actuator  | Actuator set-point regulation |      |       |       |       |       |       |
|-----------|-------------------------------|------|-------|-------|-------|-------|-------|
|           | 0                             | *    | 1     | 2     | 3     | 4     | 5     |
| TYPE 148  | close                         | 8 °C | 12 °C | 16 °C | 20 °C | 24 °C | 28 °C |
| TYPE 148A | close                         | 8 °C | 12 °C | 16 °C | 20 °C | 24 °C | 28 °C |

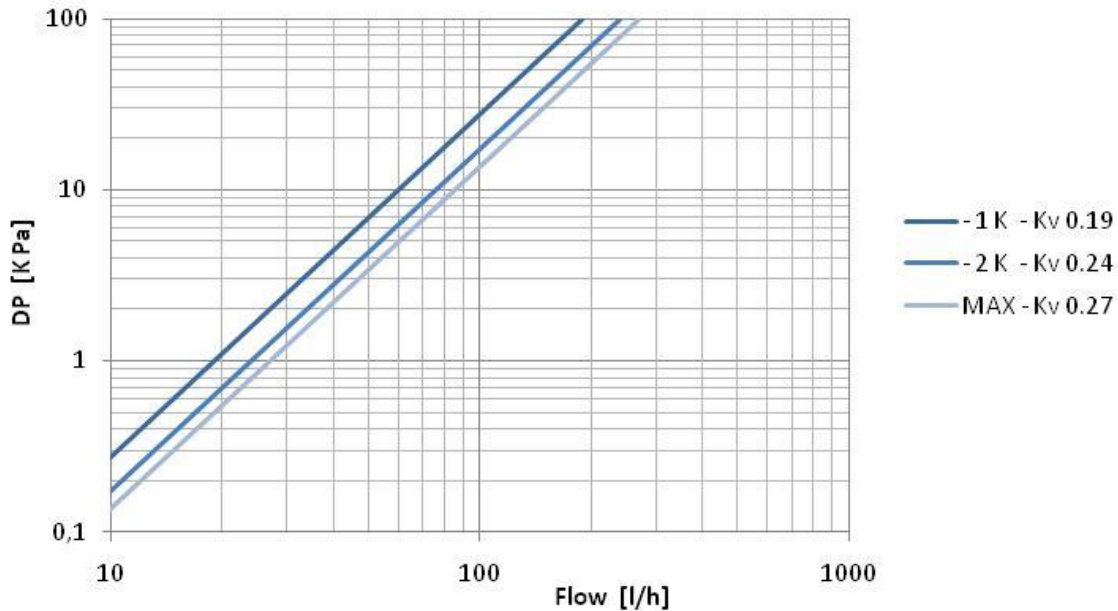
#### Pre-setting

|             | SP 1 | SP2  | SP3  | SP4  | SP5 | SP6  | SP7  | MAX  |
|-------------|------|------|------|------|-----|------|------|------|
| qms l/h     | 75   | 175  | 225  | 225  | 225 | 225  | 225  | 225  |
| Kv          | 0,27 | 0,64 | 0,9  | 1,12 | 1,3 | 1,44 | 1,55 | 1,8  |
| tolerance ± | 60%  | 30%  | 20%  | 10%  | 10% | 10%  | 10%  | 10%  |
| authority   | 0,2  | 0,27 | 0,37 | 0,58 | 0,7 | 0,75 | 0,79 | 0,84 |

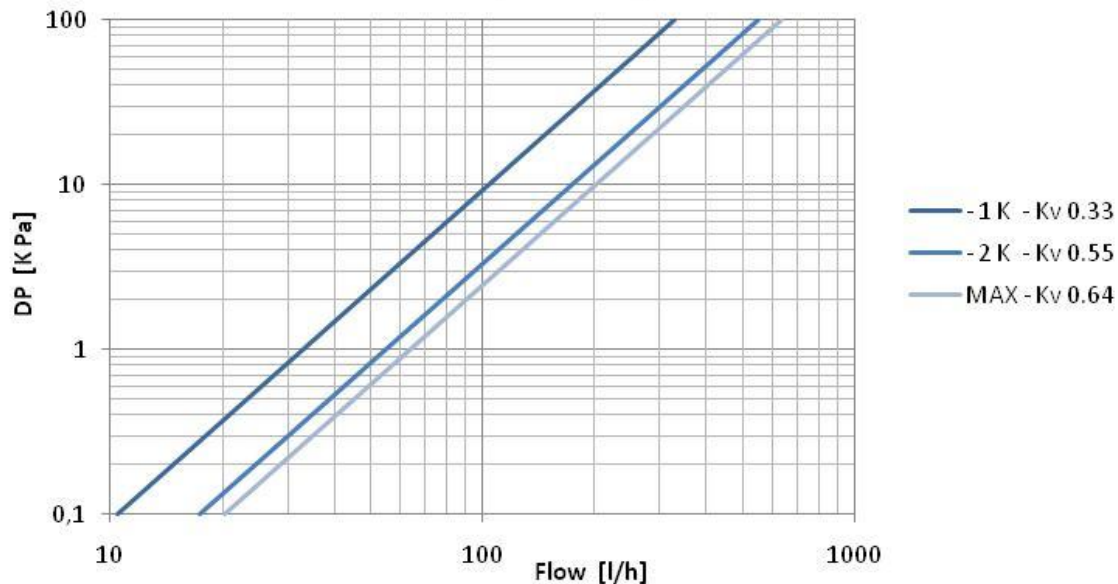
#### Diagrams



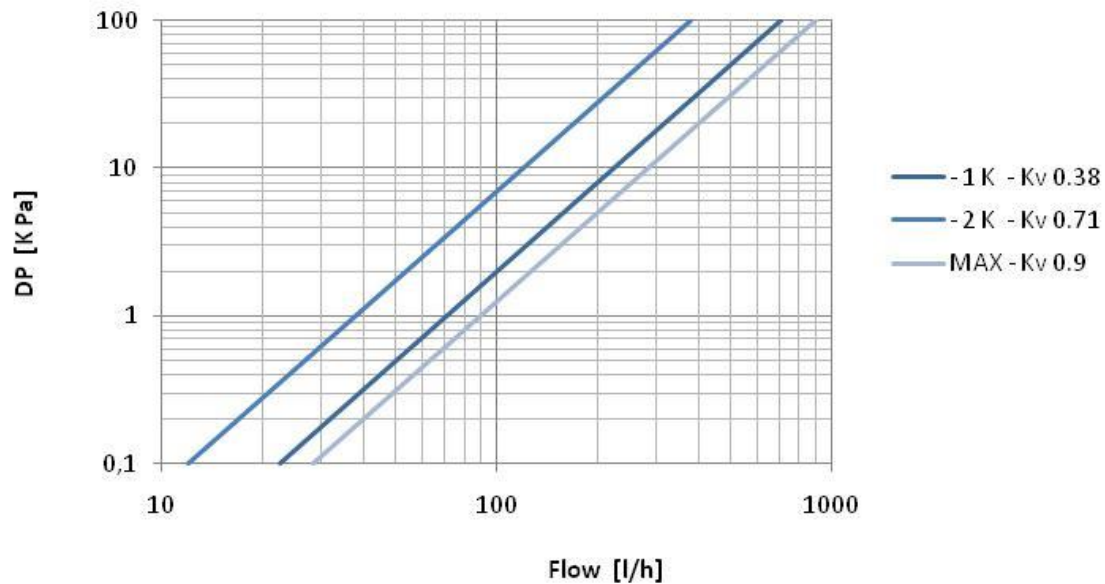
### STRAIGHT THERMOSTATIC VALVE DN 12 - 131 D/F-189 - 1131-1131X presetting SP 1



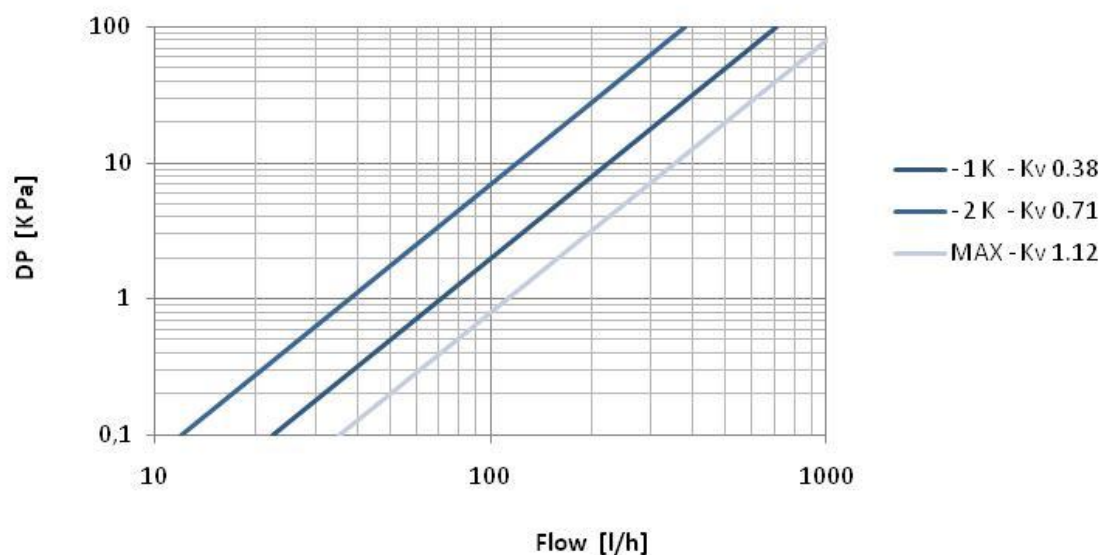
### STRAIGHT THERMOSTATIC VALVE DN 12 - 131 D/F-189 -1131- 1131X presetting SP 2



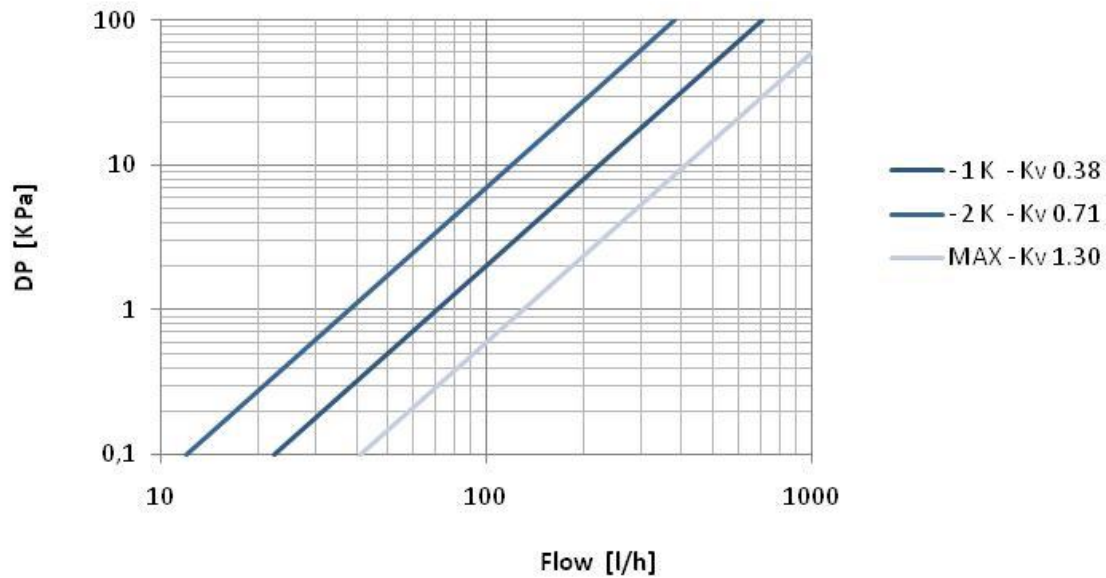
**STRAIGHT THERMOSTATIC VALVE DN 12 - 131 D/F-189 -  
1131-1131X presetting SP 3**



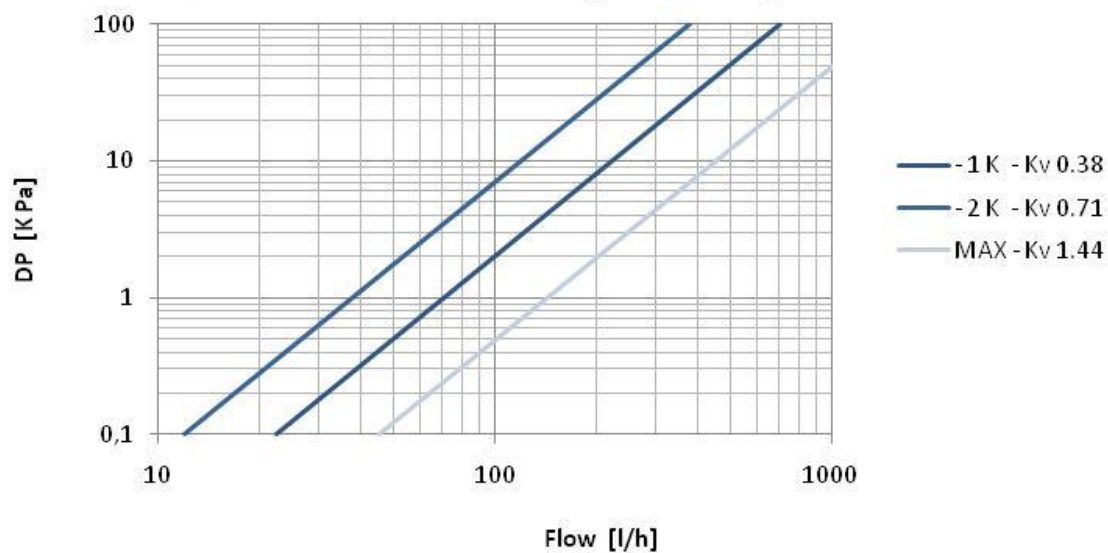
**STRAIGHT THERMOSTATIC VALVE DN 12 - 131 D/F-189 -1131-  
1131X presetting SP 4**



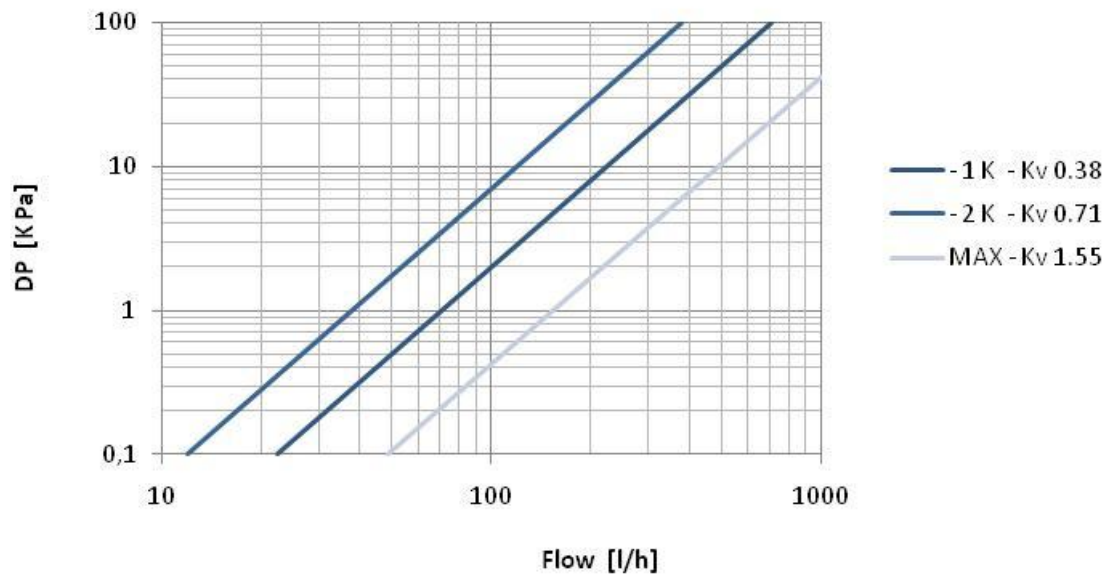
### STRAIGHT THERMOSTATIC VALVE DN 12 - 131 D/F-189 -1131-1131X presetting SP 5



### STRAIGHT THERMOSTATIC VALVE DN 12 - 131 D/F-189 -1131-1131X presetting SP 6



**STRAIGHT THERMOSTATIC VALVE DN 12 - 131 D/F-189  
-1131-1131X presetting SP 7**



**STRAIGHT THERMOSTATIC VALVE DN 12 - 131 D/F-189  
-1131-1131X presetting SP full open**

