

PRODUCT CERTIFICATION



028

LICENSEE

R.B.M. S.p.A.

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Italia



LICENSEE IDENTITY NUMBER: 43

PRODUCT: Thermostatic Radiator Valve

LICENSE NUMBER: 04-RBM-TRV-F

REFERENCE DOCUMENTS:

- UNI EN 215:
Thermostatic radiator valves. Requirements and test methods
- CEN Keymark scheme rules for thermostatic radiator valves
- CEN/CENELEC Internal regulation - Part 4:
Certification

FIRST ISSUE: 31/01/2012

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LICENSE VALIDITY:

The right of use of the KEYMARK is conditioned by the respect of the reference documents. SIET regularly tests the products and verifies the Quality System implemented by the Licensee in order to assure the respect of the reference documents. The suspended or withdrawn certificates are available on SIET web site www.siet.it.

TECHNICAL INFORMATION:

The Technical Information of the certified Thermostatic Radiator Valves (qm NH, qm sH, C_H, D_H, W_H and Z_H) declared by the Licensee are available at page Product Certification on SIET web site www.siet.it.

HEAD	TYPE
305 (TL8)	Liquid integral sensor
590 (TL10)	Liquid integral sensor
720 (TL30)	Liquid integral sensor
2633 (TL70)	Liquid integral sensor
2634	Liquid integral sensor

VALVE	FORM	NOMINAL SIZE	SERIES
1564.04	Angle	DN15 (°)	(*)
1564.03	Angle	DN10 (°)	(*)
1979.04	Straight	DN15 (°)	(*)

(°) Copper tube fitting

(*) Dimensions and details on connection are not in accordance with the specific Series in Annex A of UNI EN 215

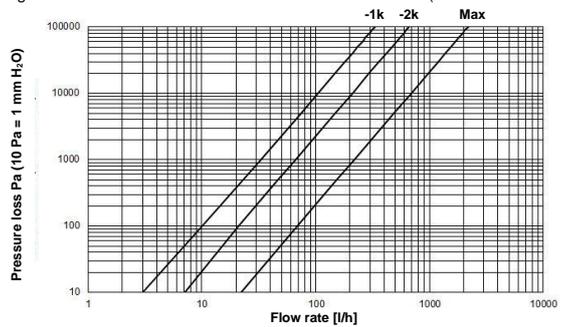
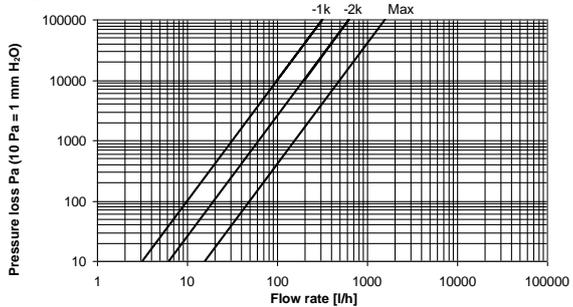
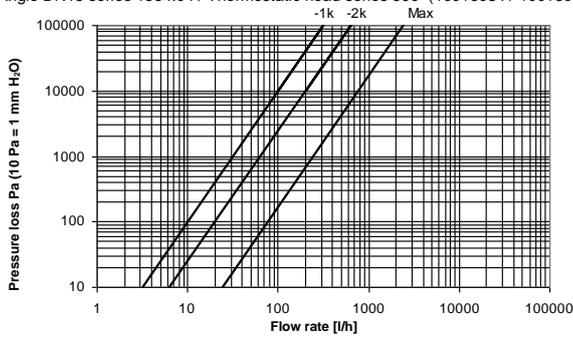


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THERMOSTATIC VALVE
certified UNI - EN 215
Grant of licence brand Keymark

certificate RBM nr. 43

Technical characteristic Thermostatic valve and RBM thermostatic head series 590		Declared values
Thermostatic valve true to quality standard EN 215		 028
RBM thermostatic head true to quality standard EN 215		
Minimum regulation calibration (anti-frost position)	t _s min	7°C (*)
Maximum regulation calibration (position)	t _s max	30°C (5)
Saving condition (position)		20°C (3)
Maximum exercise pressure	PN	1000 KPa
Maximum differential pressure	ΔP	100 KPa
Minimum nominal flow rate "q _m N" (DP = 10 KPa) angle-straight DN15	q _m N	200-220 Kg/h
Minimum nominal flow rate "q _m N" (DP = 10 KPa) angle DN10	q _m N	210 Kg/h
Maximum exercise temperature		110°C
Maximum storage temperature		50°C
Hysteresis	C	0,4 K
Authority	a	0,9
Response time	Z	25 min
Differential pressure influence	D	0,3 K
Water temperature influence	W	1 K
Thermostatic valve supplied with manual regulating wheel (turning)		60°± 1K

IP1564.0-UK_00 TRADE SAVE

Mounting process

1. Remove the manual adjustment hand-wheel un-screwing it in counter-clockwise.
2. Set the thermostatic head numbered handle on "5" position, turning it in counter-clockwise.
3. Set the thermostatic head on the valve body centering the hexagon of the head and leaving the reference window adjustment up-sight or at least in visible position.
4. Screw the knurled metallic ring of the thermostatic head to the valve body till the complete locking (avoiding to force too much). After the head mounting process, turn the numbered handle for a few times from position "5" to position "*" for the parts settlement.

Temperature regulation

Regulation is obtained rotating the hand knob till the symbol correspondent to the desired temperature is positioned into the reference window. (approximate values)

Symbol	0	*	1	2	3	4	5
Value °C	4 ≈	7	10	15	20	25	30

(*) represents the anti-frost position, where the valve opens only when the environment-atmosphere temperature goes below 7°C. It is suggested during long absences in the winter time or while aerating the place. At position "0" the anti frost protection is not guaranteed.

The minimum declared temperature according to the norm is at position "*".

Warning:

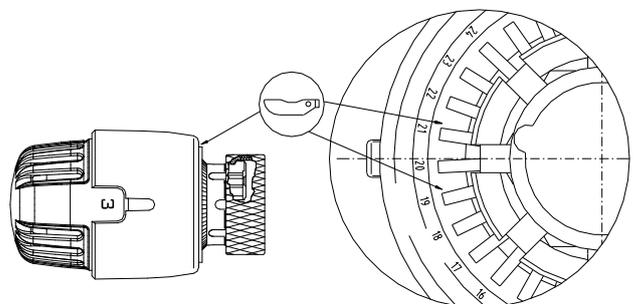
To preserve the good operation of RBM thermostatic head we suggest to **remove it during the summer time, while the heating system is inactive.**

Temperature restriction

After temperature regulation it is suggested to block the knob on itself or to limit the operation zone.

Blocking wheel on position "3" (20°C) example:

- Set nr. 3 into the symbol visualization window;
- You will see numbers on the wheel, those numbers are ref. to the temperature regulated by the thermostatic head;
- Search n°20 (correspondent to 20°C);
- Insert the dedicated inserts into the spaces close to n°20;
- The wheel will be blocked on symbol "3" position.



If you want to limit the regulation to a wider range of value displace the inserts into the desired positions.

Warning:

For movement blocking or movement limitation you should use the dedicated inserts **codes. 209.00.00** available as accessory.