



THERMOSTATIC RADIATOR VALVE PRESET KV VARIOSAR



DESCRIPTION

Thermostatic radiator valves (TRV) for temperature regulation and flow balancing (kv-setting) VarioSar.

The setting of the Kv value is done by actuating a pattern ring by turning the valve stem, either with a specific tool (583730) or with an usual wrench.

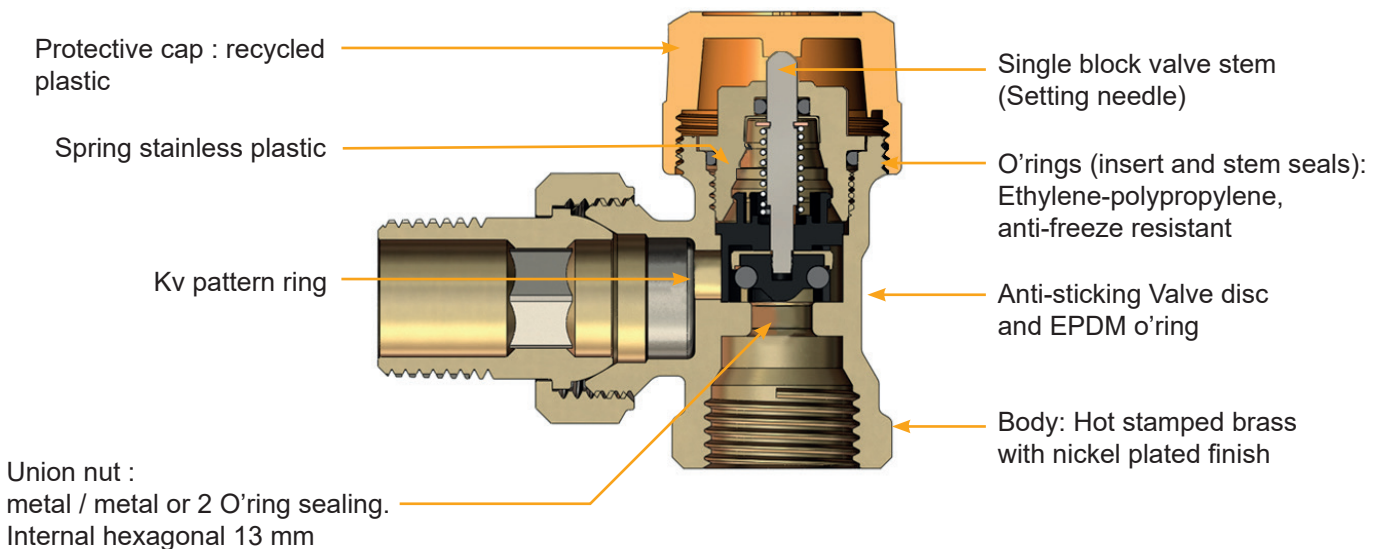
VERSIONS

Functions	Flow regulation With Kv setting
Head connection	M28x1.5 M30x1.5
Pipe connection	Threaded female or male
Radiator connection	Metal / metal: 3/8", 1/2", 3/4", 1" Or With 2 o'rings on the cone and on the radiator side: 3/8" and 1/2"

BENEFITS

- Bi-directionnal
- No-sticking

MATERIALS



APPLICATIONS

For standard hot-water heating applications, within the following ratings:

- Maximum pressure of use : 10 bar
- Maximum temperature of use : 110 ° C
- Maximum differential pressure : 0.6 bar
- Maximal stroke : 2 mm



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DIMENSIONS

	Shape	Ref	M28/M30	G	g	B	L	Dmax
	Angle	R858603	M28	3/8"		49	20	
		R858604 R858604B*	M28	1/2"		53	23	
		R858606	M28	3/4"		63	26	
		R854403	M30	3/8"		51,5	22,5	
		R854404	M30	1/2"		57,5	26,5	
		R854406	M30	3/4"		66	30	
	Angle	R858704	M28	1/2"	M22 x 1.5	54	21	16
		R854304	M30	1/2"	3/4" E	53	26.5	18
	Straight	R855403	M30	3/8"		84.5	30	
		R855404	M30	1/2"		94	33	
		R855406	M30	3/4"		106	37	
		R859603	M28	3/8"		75	28	
		R859604 R859604B*	M28	1/2"		82	32.5	
		R859606	M28	3/4"		98	33.5	
	Reversed angle	R857604	M28	1/2"		54	38	
		R857404	M30	1/2"		54	38	
		R857704B*	M28	1/2"	M22 x 1.5	53	34	16
		R857304	M30	1/2"	3/4 E	53	39.5	16
		R857704B*	M28	1/2"	M22 x 1.5	53	34	16
		R857304	M30	1/2"	3/4 E	53	39.5	16
	Straight with elbow	R859604C	M28	1/2"		86.5	53	44
		R859704CB	M28	1/2"	M22 x 1.5	77.5	53	44



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PRODUCT LINE

Photo	Figure	Dim EN 215*	Head connection	Shape	Pipe connection	Radiator connection	Part number
	R858	F	M28x1.5	Angle	Rp 3/8	R 3/8	R858603
					Rp 1/2	R 1/2	R858604
					Rp 3/4	R 3/4	R858606
	R858B				Rp 1/2	R 1/2 2JT	R858604B
	R858E				Male M22	R 1/2	R858704
	R859			Straight	Rp 3/8	R 3/8	R859603
					Rp 1/2	R 1/2	R859604
					Rp 3/4	R 3/4	R859606
	R859B				Rp 1/2	R 1/2 2JT	R859604B
	R859E				Male M22	R 1/2	R859704B
	R859C			Straight with elbow	Rp 1/2	R 1/2	R859604C
	R859EC				Male M22	R 1/2 2JT	R859704CB



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Photo	Figure	Dim EN 215*	Head connection	Shape	Pipe connection	Radiator connection	Part number
	R857	F	M28x1.5	Reversed angle	Rp 1/2	R 1/2	R857604
	R857EB				Male M22	R 1/2 2JT	R857704B
	R854	D	M30x1.5	Angle	R 3/8	Rp 3/8	R854403
					R 1/2	Rp 1/2	R854404
					R 3/4	Rp 3/4	R854406
	R854E				Male M22	R 1/2	R858304
	R855			Straight	Rp 3/8	R 3/8	R855403
					Rp 1/2	R 1/2	R855404
					Rp 3/4	R 3/4	R855406
	R855E				Male M22	R 1/2	R858304
	R857	Reversed angle	Rp 1/2	R 1/2	R857404		
	R857EB		Male M22	R 1/2 2JT	R857304B		

*The mention (D) or (F) means that the overall dimensions are similar to the size indicated between brackets in the EN215 standard, but the EN215 does not include external threads. For example (D) means that the overall dimensions of the valve are compliant with the EN215 DIN format, except the external thread.



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INSTALLATION METHOD

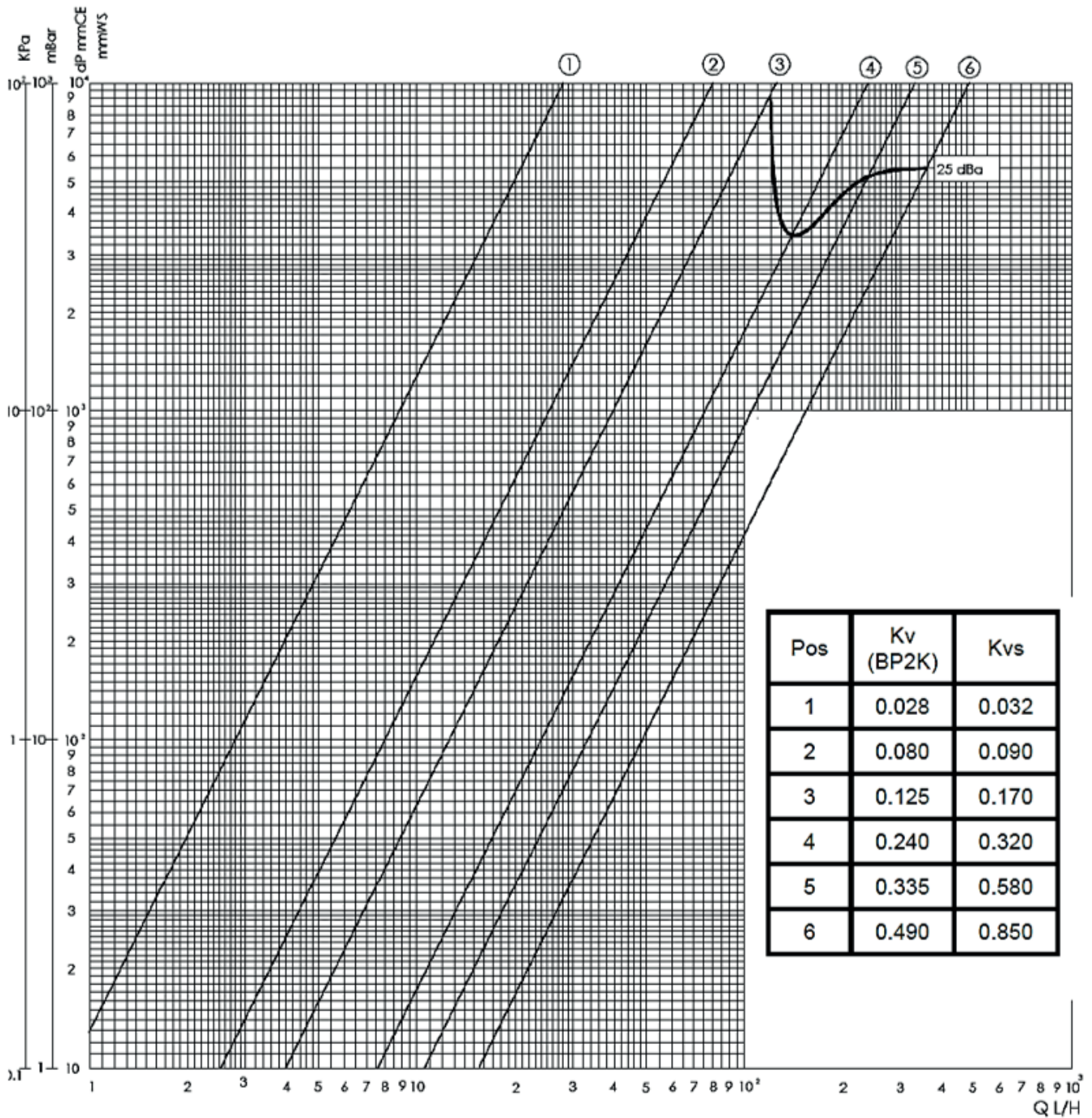
Valve	M22	EUROCONE	
Pipe			
Cu	834	835 S	835 E
PEX - PB		835 P	835 P
		835	835 PE



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KV SETTING CURVES





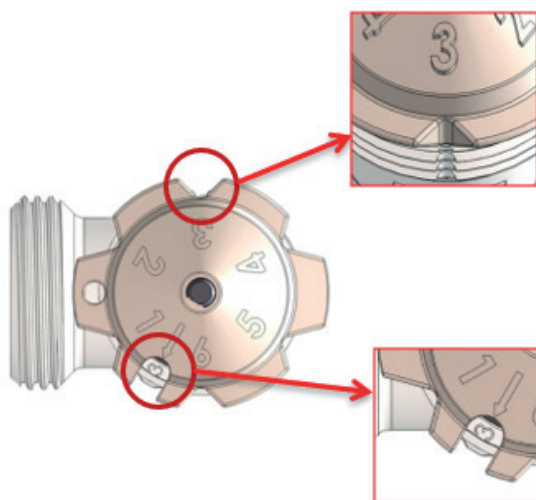
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KV PRINCIPLE SETTING

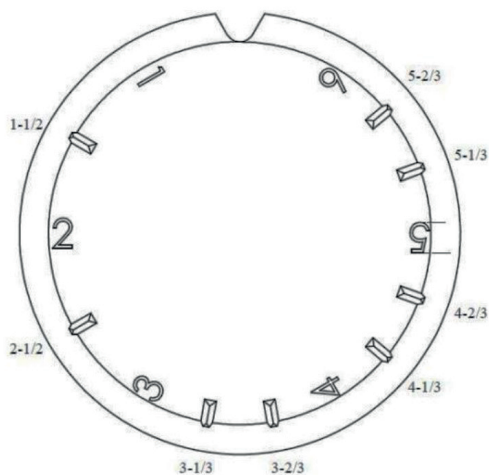
The presetting of the preset kv-valves should be done using a special tool (R583730). Place the tool onto the valve spindle and turn it to the desired value.

The value is indicated by an opening on the tool. It is also visible when the tool is removed; it is the position in front of the flat part of the spindle.



Reading on the key

Reading on the thermostatic body



14-position adjustment





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NOMINAL LEVEL SETTING



- Close the valve completely and mark it with one position
- Open and count 6 marks. The valve is now open at nominal opening.

Photo	Designation	Code
	Kv setting tool	R583730
	Cartridge M28 3/8, 1/2, 3/4» Kv 0.028-0.490	R581400
	Cartridge M30 3/8, 1/2, 3/4» Kv 0.028-0.490	R581430