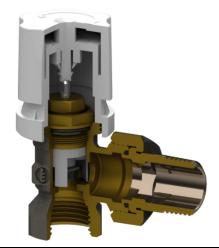
# Thermostatic valves

# THERMOTEKNA





#### Function

ThermoTekna valves are suitable for any hot-water based heating system. Their function is to incercept the fluid and they allow to control the heating bodies. When used with thermostatic heads, these valves can make each room independent with a specific set temperature, thus enhancing comfort and actual energy saving, as prescribed by national and international regulations. Inside the valve body, the openings of a shaped acetal ring determine exactly the flow rate. The desired maximum flow rate can be set by simply rotating the stem to the corresponding position, without any intervention inside the valve. The thermostatic screw allows to replace one of the O-rings on the control stem without draining the system.

To avoid excessive noise in the system it is recommended not to use thermostatic valves with  $\Delta P$  value above 0,2-0,25 bar.

#### **Technical data**

Max. working pressure:	10 bar
Max. differential pressure:	1 bar
Max. working temperature:	120 °C
Working fluids:	Water in compliance with UNI 8065:1989
Materials	
Valve body:	CW 617 N – DW UNI-EN 12165:2016
Obturator:	CW 614 N – DW UNI-EN 12164:2016
Gaskets:	Peroxide cured EPDM
Adjustment knob	Acetal
Steek parts	Stainless steel
Knob:	RAL9016 white ABS

#### Surface treatment

Nickel-plating

### **Dimensional Drawings**

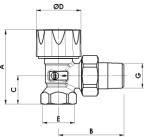
### RD 201

Straight radiator valve, thermostatically or electronically controlled with protection cap. Connection for iron pipe.



### RS 202

Angle radiator valve, thermostatically or electronically controlled with protection cap. Connection for iron pipe.





	- A	-						-	-				
Code	Size	А	В	С	D	Е	Code	Size	А	В	С	D	Е
12221700	DN10 3/8	76	51	46	37	G3/8	12021700	DN10 3/8	58	50	20	37	G3/8
12222100	DN15 1/2	83	55	46	37	G1/2	12022100*	DN15 1/2	60	53	23	37	G1/2
12222700	DN20 3/4	97	65	47	37	G3/4	12022700	DN20 3/4	60	62	27	37	G3/4
Code	Size	F	G	Н	L	М	Code	Size	F	G	н	L	М
12221700	DN10 3/8	-	R3/8	-	-	-	12021700	DN10 3/8	-	R3/8	-	-	-
12222100	DN15 1/2	-	R1/2	-	-	-	12022100*	DN15 1/2	-	R1/2	-	-	-
12222700	DN20 3/4	_	R3/4	-	-	-	12022700	DN20 3/4	-	R3/4	-	-	-

### RD 2501

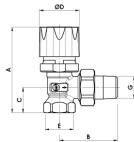
Straight radiator valve, thermostatically or electronically controlled, with manual control knob. Connection for iron pipe.

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### RS 2502

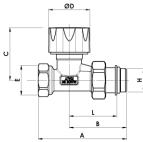
Angle radiator valve, thermostatically or electronically controlled, with manual control knob. Connection for iron pipe.





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Size	А	В	С	D	Е	Code	Size	А	В	С	D	Е
DN10 3/8	76	51	64	37	G3/8	12621700	DN10 3/8	75	50	20	37	G3/8
DN15 1/2	83	55	64	37	G1/2	12622100*	DN15 1/2	78	53	23	37	G1/2
DN20 3/4	97	65	65	37	G3/4	12622700	DN20 3/4	78	62	27	37	G3/4
Size	F	G	н	L	М	Code	Size	F	G	н	L	М
DN10 3/8	-	-	G3/8	-	-	12621700	DN10 3/8	-	-	G3/8	-	-
DN15 1/2	-	-	G1/2	-	-	12622100*	DN15 1/2	-	-	G1/2	-	-
DN20 3/4	-	-	G3/4	-	-	12622700	DN20 3/4	-	-	G3/4	-	-
	DN10 3/8 DN15 1/2 DN20 3/4 Size DN10 3/8 DN15 1/2	DN10 3/8       76         DN15 1/2       83         DN20 3/4       97         Size       F         DN10 3/8       -         DN15 1/2       -	DN10 3/8         76         51           DN15 1/2         83         55           DN20 3/4         97         65           Size         F         G           DN10 3/8         -         -           DN15 1/2         -         -	DN10 3/8         76         51         64           DN15 1/2         83         55         64           DN20 3/4         97         65         65           Size         F         G         H           DN10 3/8         -         -         G3/8           DN15 1/2         -         -         G1/2	DN10 3/8         76         51         64         37           DN15 1/2         83         55         64         37           DN20 3/4         97         65         65         37           Size         F         G         H         L           DN10 3/8         -         -         G3/8         -           DN15 1/2         -         -         G1/2         -	DN10 3/8         76         51         64         37         G3/8           DN15 1/2         83         55         64         37         G1/2           DN20 3/4         97         65         65         37         G3/4           Size         F         G         H         L         M           DN10 3/8         -         -         G3/8         -         -           DN15 1/2         5         65         37         G3/4	DN10 3/8         76         51         64         37         G3/8         12621700           DN15 1/2         83         55         64         37         G1/2         12622100*           DN20 3/4         97         65         65         37         G3/4         12622700           Size         F         G         H         L         M         Code           DN10 3/8         -         -         G3/8         -         12621700           DN15 1/2         -         -         G3/8         -         12622100*	Size         A         B         C         D         E         Code         Size           DN10 3/8         76         51         64         37         G3/8         12621700         DN10 3/8           DN15 1/2         83         55         64         37         G1/2         12622100*         DN15 1/2           DN20 3/4         97         65         65         37         G3/4         12622700         DN20 3/4           Size         F         G         H         L         M         Code         Size           DN10 3/8         -         -         G3/8         -         12621700         DN10 3/8           DN10 3/8         -         -         G3/8         -         -         12621700         DN10 3/8           DN10 3/8         -         -         G3/8         -         -         12621700         DN10 3/8           DN15 1/2         -         -         G1/2         -         -         12622100*         DN15 1/2	Size         A         B         C         D         E         Code         Size         A           DN10 3/8         76         51         64         37         G3/8         12621700         DN10 3/8         75           DN15 1/2         83         55         64         37         G1/2         12622100*         DN15 1/2         78           DN20 3/4         97         65         65         37         G3/4         12622700         DN20 3/4         78           Size         F         G         H         L         M         Code         Size         F           DN10 3/8         -         -         G3/8         -         -         12621700         DN10 3/8         -           Size         F         G         H         L         M         Code         Size         F           DN10 3/8         -         -         63/8         -         -         12621700         DN10 3/8         -           DN15 1/2         -         -         G1/2         -         -         12622100*         DN15 1/2         -	Size         A         B         C         D         E         Code         Size         A         B           DN10 3/8         76         51         64         37         G3/8         12621700         DN10 3/8         75         50           DN15 1/2         83         55         64         37         G1/2         12622100*         DN15 1/2         78         53           DN20 3/4         97         65         65         37         G3/4         12622700         DN20 3/4         78         62           Size         F         G         H         L         M         Code         Size         F         G           DN10 3/8         -         -         G3/8         -         -         12621700         DN10 3/8         -         -           DN10 3/8         -         -         G3/8         -         -         12621700         DN10 3/8         -         -           DN10 3/8         -         -         G1/2         -         -         12622100*         DN15 1/2         -         -	Size         A         B         C         D         E         Code         Size         A         B         C           DN10 3/8         76         51         64         37         G3/8         12621700         DN10 3/8         75         50         20           DN15 1/2         83         55         64         37         G1/2         12622100*         DN15 1/2         78         53         23           DN20 3/4         97         65         65         37         G3/4         12622700         DN20 3/4         78         62         27           Size         F         G         H         L         M         Code         Size         F         G         H           DN10 3/8         -         -         G3/8         -         -         12621700         DN10 3/8         -         -         G3/8           DN10 3/8         -         -         G3/8         -         -         12621700         DN10 3/8         -         -         G3/8           DN15 1/2         -         -         G1/2         -         -         12622100*         DN15 1/2         -         -         G1/2	Size         A         B         C         D         E         Code         Size         A         B         C         D           DN10 3/8         76         51         64         37         G3/8         12621700         DN10 3/8         75         50         20         37           DN15 1/2         83         55         64         37         G1/2         12622100*         DN15 1/2         78         53         23         37           DN20 3/4         97         65         65         37         G3/4         12622100*         DN20 3/4         78         62         27         37           Size         F         G         H         L         M         Code         Size         F         G         H         L           DN10 3/8         -         -         G3/8         -         -         12621700         DN10 3/8         -         -         G3/8         -           DN10 3/8         -         -         G1/2         -         -         12622100*         DN15 1/2         -         -         G1/2         -

Straight radiator valve, thermostatically or electronically controlled with protection cap. Unions with O-rings. Connection for iron pipe.

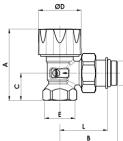




### RS 206

Angle radiator valve, thermostatically or electronically controlled with protection cap. Unions with O-rings. Connection for iron pipe.

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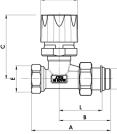




-	A	-						_ В	-				
Code	Size	А	В	С	D	Е	Code	Size	А	В	С	D	E
12222117	DN10 3/8	73	48	46	37	G3/8	12022117	DN10 3/8	58	47	20	37	G3/8
12222103	DN15 1/2	78	51	46	37	G1/2	12022103*	DN15 1/2	61	49	23	37	G1/2
12222703	DN20 3/4	95	63	47	37	G3/4	12022703	DN20 3/4	60	60	27	37	G3/4
Code	Size	F	G	н	L	М	Code	Size	F	G	н	L	М
12222117	DN10 3/8	-	-	G3/8	38	-	12022117	DN10 3/8	-	-	G3/8	37	-
12222103	DN15 1/2	-	-	G1/2	40	-	12022103*	DN15 1/2	-	-	G1/2	39	-
12222703	DN20 3/4	-	-	G3/4	51	-	12022703	DN20 3/4	-	-	G3/4	48	-

## RD 2505

Straight radiator valve, thermostatically or electronically controlled, with manual control knob. Unions with O-rings. Connection for iron pipe.

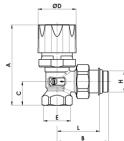


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## RS 2506

Angle radiator valve, thermostatically or electronically controlled, with manual control knob. Unions with O-rings. Connection for iron pipe.

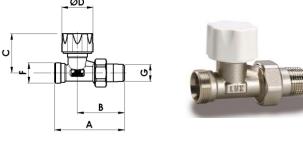




-	A	•						В					
Code	Size	А	В	С	D	Е	Code	Size	А	В	С	D	Е
12422117	DN10 3/8	73	48	64	37	G3/4	12622117	DN10 3/8	75	47	20	37	G3/4
12422103	DN15 1/2	78	51	64	37	G1/2	12622103*	DN15 1/2	78	49	23	37	G1/2
12422703	DN20 3/4	95	63	65	37	G3/4	12622703	DN20 3/4	78	60	27	37	G3/4
Code	Size	F	G	н	L	М	Code	Size	F	G	н	L	М
12422117	DN10 3/8	-	-	G3/8	38	-	12622117	DN10 3/8	-	-	G3/8	37	-
12422103	DN15 1/2	-	-	G1/2	40	-	12622103*	DN15 1/2	-	-	G1/2	39	-
12422703	DN20 3/4	-	-	G3/4	51	-	12622703	DN20 3/4	-	-	G3/4	48	-

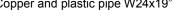
Straight radiator valve, thermostatically or electronically controlled with protection cap. Copper and plastic pipe W24x19"

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**RS 212** 

Angle radiator valve, thermostatically or electronically controlled with protection cap. Copper and plastic pipe W24x19"

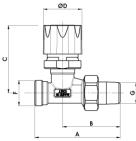




								-	-				
Code	Size	А	В	С	D	Е	Code	Size	А	В	С	D	Е
12321700	DN10 3/8	76	51	46	37	-	12121700*	DN10 3/8	57	52	19	37	-
12322100	DN15 1/2	81	55	46	37	-	12122100*	DN15 1/2	59	54	22	37	-
Code	Size	F	G	н	L	М	Code	Size	F	G	н	L	М
12321700	DN10 3/8	W24x19	R3/8	-	-	-	12121700*	DN10 3/8	W24x19	R3/8	-	-	-
12322100	DN15 1/2	W24x19	R1/2	-	-	-	12122100*	DN15 1/2	W24x19	R1/2	-	-	-

### RD 2511

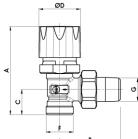
Straight radiator valve, thermostatically or electronically controlled, with manual control knob. Copper and plastic pipe W24x19"





### **RS 2512**

Angle radiator valve, thermostatically or electronically controlled, with manual control knob. Copper and plastic pipe W24x19"





-		-						В	-				
Code	Size	А	В	С	D	Е	Code	Size	А	В	С	D	Е
12521700	DN10 3/8	76	51	64	37	-	12721700*	DN10 3/8	74	52	19	37	-
12522100	DN15 1/2	81	55	64	37	-	12722100*	DN15 1/2	77	54	22	37	-
Code	Size	F	G	н	L	М	Code	Size	F	G	н	L	М
12521700	DN10 3/8	W24x19	R3/8	-	-	-	12721700*	DN10 3/8	W24x19	R3/8	-	-	-
12522100	DN15 1/2	W24x19	R1/2	-	-	-	12722100*	DN15 1/2	W24x19	R1/2	-	-	-

Straight radiator valve, thermostatically or electronically controlled with protection cap. Unions with O-rings. Copper and plastic pipe W24x19"

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78

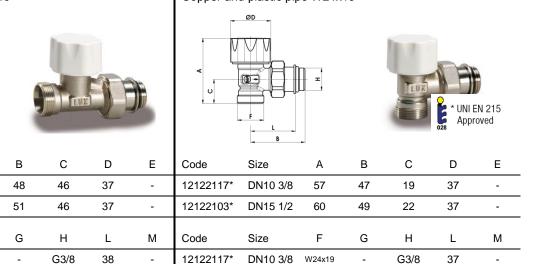
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W24x19

W24x19

RS 209

Angle radiator valve, thermostatically or electronically controlled with protection cap. Unions with O-rings. Copper and plastic pipe W24x19"



DN15 1/2

### RD 2508

Code

Code

12322117

12322103

12322117

12322103

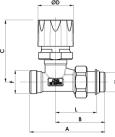
Straight radiator valve, thermostatically or electronically controlled, with manual control knob. Unions with O-rings. Copper and plastic pipe W24x19"

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G1/2

40

-



Size

Size

DN10 3/8

DN15 1/2

DN10 3/8

DN15 1/2



### **RS 2509**

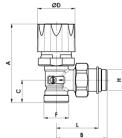
12122103\*

Angle radiator valve, thermostatically or electronically controlled, with manual control knob. Unions with O-rings. Copper and plastic pipe W24x19"

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G1/2

W24x19





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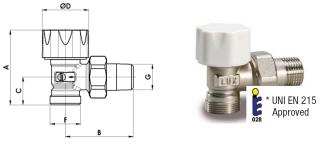
-	<u> </u>	-						- D	-				
Code	Size	А	В	С	D	Е	Code	Size	А	В	С	D	Е
12522117	DN10 3/8	73	48	67	37	-	12722117*	DN10 3/8	74	47	19	37	-
12522103	DN15 1/2	77	51	64	37	-	12722103*	DN15 1/2	77	49	22	37	-
Code	Size	F	G	н	L	М	Code	Size	F	G	н	L	М
12522117	DN10 3/8	W24x19	-	G3/8	38	-	12722117*	DN10 3/8	W24x19	-	G3/8	37	-
12522103	DN15 1/2	W24x19	-	G1/2	40	-	12722103*	DN15 1/2	W24x19	-	G1/2	39	-

### RD 211/A

Straight radiator valve, thermostatically or electronically controlled with protection cap. Copper and plastic pipe G3/4 Eurokonus

## RS 212/A

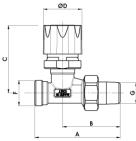
Angle radiator valve, thermostatically or electronically controlled with protection cap. Copper and plastic pipe G3/4 Eurokonus



	-	-						-	-				
Code	Size	А	В	С	D	Е	Code	Size	А	В	С	D	Е
12322719	DN10 3/8	77	52	46	37	-	12122718*	DN10 3/8	56	50	19	37	-
12322722	DN15 1/2	81	55	46	37	-	12122721*	DN15 1/2	59	54	22	37	-
Code	Size	F	G	н	L	М	Code	Size	F	G	н	L	М
12322719	DN10 3/8	G3/4EK	R3/8	-	-	-	12122718*	DN10 3/8	G3/4EK	R3/8	-	-	-
12322722	DN15 1/2	G3/4EK	R1/2	-	-	-	12122721*	DN15 1/2	G3/4EK	R1/2	-	-	-

### RD 2511/A

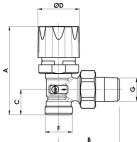
Straight radiator valve, thermostatically or electronically controlled, with manual control knob. Copper and plastic pipe G3/4 Eurokonus





### RS 2512/A

Angle radiator valve, thermostatically or electronically controlled, with manual control knob. Copper and plastic pipe G3/4 Eurokonus

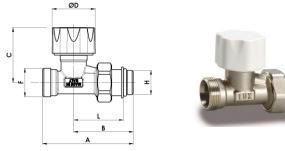




							-	-				
Size	А	В	С	D	Е	Code	Size	А	В	С	D	Е
DN10 3/8	77	52	64	37	-	12722718*	DN10 3/8	74	52	19	37	-
DN15 1/2	81	55	64	37	-	12722721*	DN15 1/2	77	54	22	37	-
Size	F	G	н	L	М	Code	Size	F	G	н	L	М
DN10 3/8	G3/4EK	R3/8	-	-	-	12722718*	DN10 3/8	G3/4EK	R3/8	-	-	-
DN15 1/2	G3/4EK	R1/2	-	-	-	12722721*	DN15 1/2	G3/4EK	R1/2	-	-	-
	DN10 3/8 DN15 1/2 Size DN10 3/8	DN10 3/8         77           DN15 1/2         81           Size         F           DN10 3/8         G3/4EK	DN10 3/8         77         52           DN15 1/2         81         55           Size         F         G           DN10 3/8         G3/4EK         R3/8	DN10 3/8         77         52         64           DN15 1/2         81         55         64           Size         F         G         H           DN10 3/8         G3/4EK         R3/8         -	DN10 3/8         77         52         64         37           DN15 1/2         81         55         64         37           Size         F         G         H         L           DN10 3/8         G3/4EK         R3/8         -         -	DN10 3/8         77         52         64         37         -           DN15 1/2         81         55         64         37         -           Size         F         G         H         L         M           DN10 3/8         G3/4EK         R3/8         -         -         -	DN10 3/8         77         52         64         37         -         12722718*           DN15 1/2         81         55         64         37         -         1272271*           Size         F         G         H         L         M         Code           DN10 3/8         G3/4EK         R3/8         -         -         -         12722718*	DN10 3/8         77         52         64         37         -         12722718*         DN10 3/8           DN15 1/2         81         55         64         37         -         12722718*         DN15 1/2           Size         F         G         H         L         M         Code         Size           DN10 3/8         G3/4EK         R3/8         -         -         12722718*         DN10 3/8	DN10 3/8         77         52         64         37         -         12722718*         DN10 3/8         74           DN15 1/2         81         55         64         37         -         12722718*         DN15 1/2         77           Size         F         G         H         L         M         Code         Size         F           DN10 3/8         G3/4EK         R3/8         -         -         12722718*         DN10 3/8         G3/4EK	DN10 3/8         77         52         64         37         -         12722718*         DN10 3/8         74         52           DN15 1/2         81         55         64         37         -         12722718*         DN15 1/2         77         54           Size         F         G         H         L         M         Code         Size         F         G           DN10 3/8         G3/4EK         R3/8         -         -         12722718*         DN10 3/8         G3/4EK         R3/8	DN10 3/8         77         52         64         37         -         12722718*         DN10 3/8         74         52         19           DN15 1/2         81         55         64         37         -         12722718*         DN15 1/2         77         54         22           Size         F         G         H         L         M         Code         Size         F         G         H           DN10 3/8         G3/4EK         R3/8         -         -         12722718*         DN10 3/8         G3/4EK         R3/8         -	DN10 3/8       77       52       64       37       -       12722718*       DN10 3/8       74       52       19       37         DN15 1/2       81       55       64       37       -       12722721*       DN15 1/2       77       54       22       37         Size       F       G       H       L       M       Code       Size       F       G       H       L         DN10 3/8       G3/4EK       R3/8       -       -       12722718*       DN10 3/8       G3/4EK       R3/8       -       -

### RD 208/A

Straight radiator valve, thermostatically or electronically controlled with protection cap. Unions with O-rings. Copper and plastic pipe G3/4 Eurokonus



А

73

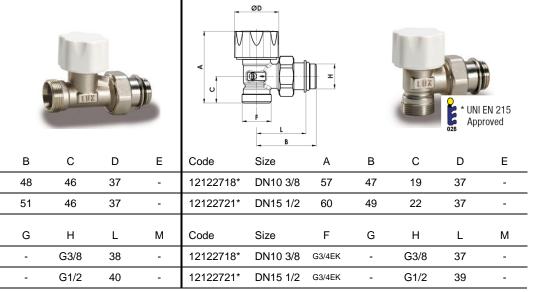
77

F

G3/4EK

G3/4EK

**RS 209/A** Angle radiator valve, thermostatically or electronically controlled with protection cap. Unions with O-rings. Copper and plastic pipe G3/4 Eurokonus



### RD 2508/A

Code

Code

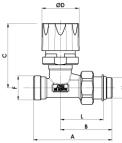
12322719

12322722

12322719

12322722

Straight radiator valve, thermostatically or electronically controlled, with manual control knob. Unions with O-rings. Copper and plastic pipe G3/4 Eurokonus



Size

Size

DN10 3/8

DN15 1/2

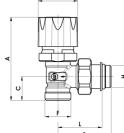
DN10 3/8

DN15 1/2



### RS 2509/A

Angle radiator valve, thermostatically or electronically controlled, with manual control knob. Unions with O-rings. Copper and plastic pipe G3/4 Eurokonus



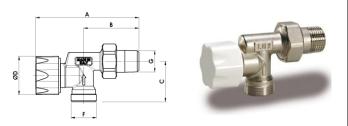


-	A	-						В	-				
Code	Size	А	В	С	D	Е	Code	Size	А	В	С	D	Е
12522717	DN10 3/8	73	48	64	37	-	12722717*	DN10 3/8	74	47	19	37	-
12522703	DN15 1/2	77	51	64	37	-	12722703*	DN15 1/2	77	49	22	37	-
Code	Size	F	G	Н	L	М	Code	Size	F	G	Н	L	М
12522717	DN10 3/8	G3/4EK	-	G3/8	38	-	12722717*	DN10 3/8	G3/4EK	-	G3/8	37	-
12522703	DN15 1/2	G3/4EK	-	G1/2	40	-	12722703*	DN15 1/2	G3/4EK	-	G1/2	39	-

### M 320

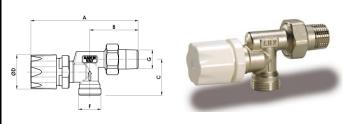
Reverse angle radiator valve, thermostatically or electronically controlled, with protection cap.

Copper and plastic pipe W24x19"



### M 330

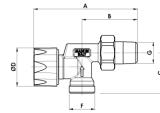
Reverse angle radiator valve, thermostatically or electronically controlled, with manual control knob. Copper and plastic pipe W24x19"



Code	Size	А	в	С	D	E	Code	Size	А	в	С	D	Е
-	-	-	-	-	-	-	-	-	-	-	-	-	-
13102100	DN15 1/2	95	52	39	37	-	13122100	DN15 1/2	116	52	39	35	-
Code	Size	F	G	н	L	М	Code	Size	F	G	н	L	М
-	-	-	-	-	-	-	-	-	-	-	-	-	-
13102100	DN15 1/2	W24x19	R1/2	-	-	-	13122100	DN15 1/2	W24x19	R1/2	-	-	-

### M 320/A

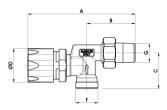
Reverse angle radiator valve, thermostatically or electronically controlled, with protection cap. Copper and plastic pipe G3/4 Eurokonus





### M 330/A

Reverse angle radiator valve, thermostatically or electronically controlled, with manual control knob. Copper and plastic pipe G3/4 Eurokonus





Code	Size	А	В	С	D	Е	Code	Size	А	В	с	D	E
-	-	-	-	-	-	-	-	-	-	-	-	-	-
13102721	DN15 1/2	95	52	39	37	-	13122721	DN15 1/2	116	52	39	35	-
Code	Size	F	G	н	L	М	Code	Size	F	G	н	L	М
-	-	-	-	-	-	-	-	-	-	-	-	-	-
13102721	DN15 1/2	G3/4EK	R1/2	-	-	-	13122721	DN15 1/2	G3/4EK	R1/2	-	-	-

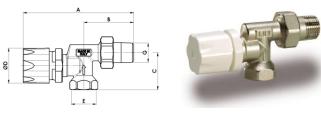
### M 322

Reverse angle radiator valve, thermostatically or electronically controlled, with protection cap. Connection for iron pipe.

# 

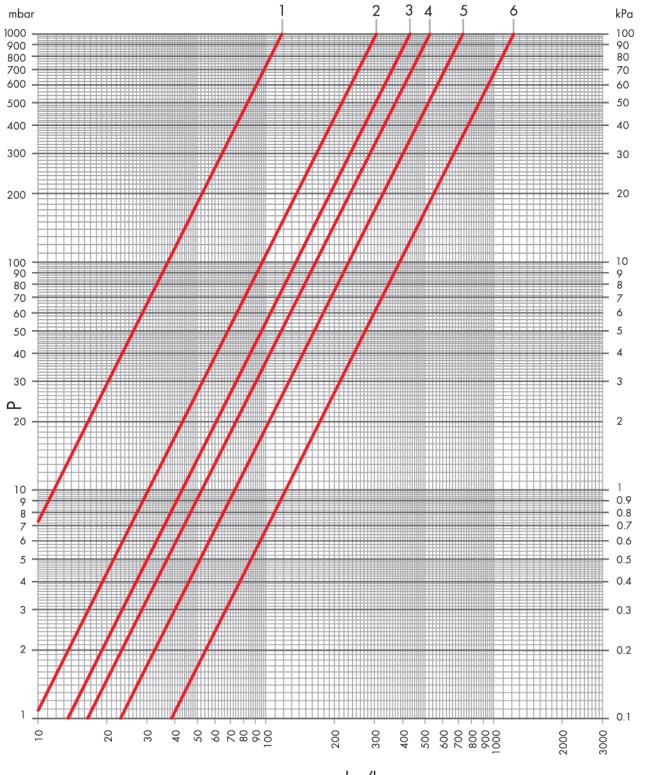


**M 332** Reverse angle radiator valve, thermostatically or electronically controlled, with manual control knob. Connection for iron pipe.



Code	Size	А	В	С	D	Е	Code	Size	А	В	С	D	Е
-	-	-	-	-	-	-	-	-	-	-	-	-	-
13202100	DN15 1/2	95	52	40	37	G1/2	13222100	DN15 1/2	116	52	40	35	G1/2
Code	Size	F	G	н	L	М	Code	Size	F	G	Н	L	М
-	-	-	-	-	-	-	-	-	-	-	-	-	-
13202100	DN15 1/2	-	R1/2	-	-	-	13222100	DN15 1/2	-	R1/2	-	-	-

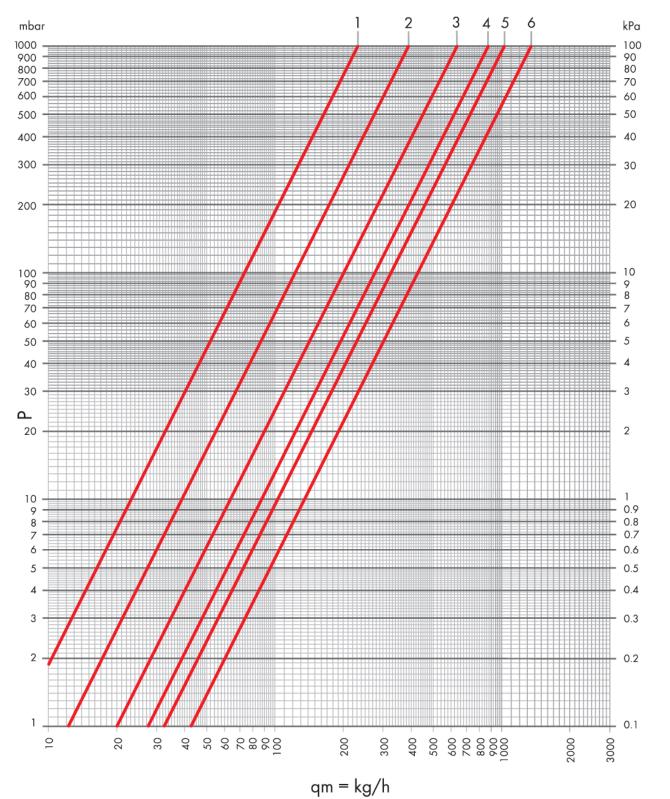




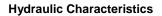
$$qm = kg/h$$

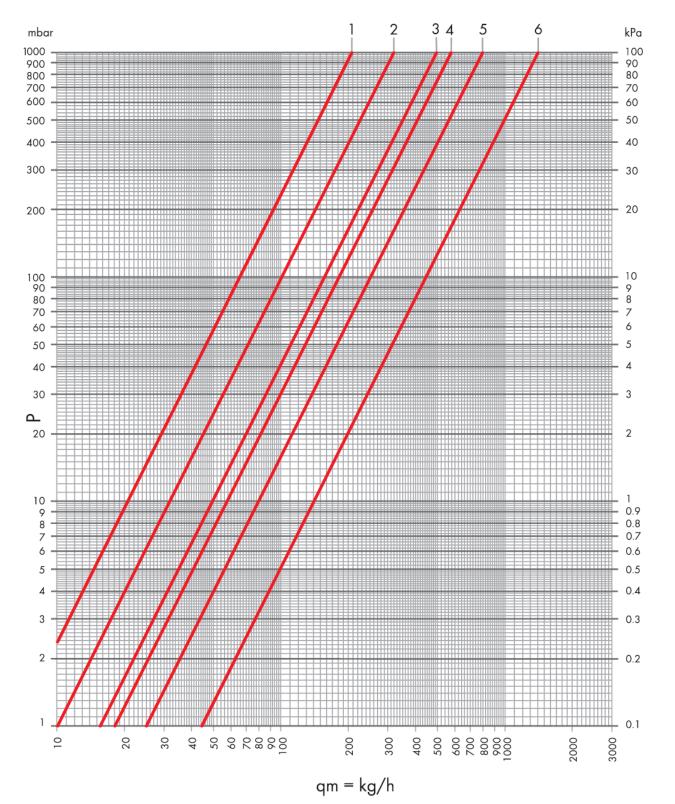
Curve	Kv	Kv ∆t 1°C	<b>Kv</b> Δt 2°C	ltems		
1	0.12	0.10	0.11			
2	0.30	0.20	0.25	_		
3	0.43	0.24	0.36	- DN40 and DN45 attricts to be		
4	0.52	0.24	0.37	<ul> <li>DN10 and DN15 straight valves</li> </ul>		
5	0.72	0.24	0.40	_		
6	1.21	0.29	0.49	_		





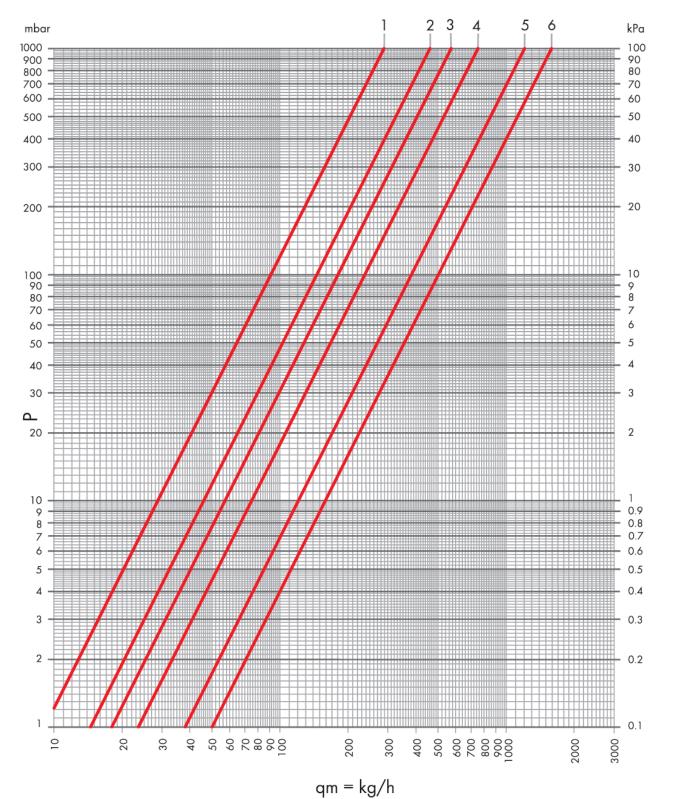
Curve	Κv	<b>Kv</b> Δt 1°C	<b>Kv</b> Δt 2°C	Items			
1	0.23	0.16	0.19				
2	0.39	0.22	0.25	_			
3	0.63	0.25	0.36				
4	0.87	0.29	0.41	<ul> <li>DN20 straight valves</li> </ul>			
5	1.02	0.30	0.50	—			
6	1.34	0.31	0.52				





Curve	Κv	<b>Kv</b> Δt 1°C	<b>Kv</b> Δt 2°C	Items
1	0.21	0.15	0.19	
2	0.32	0.22	0.25	_
3	0.49	0.24	0.36	
4	0.57	0.24	0.37	<ul> <li>DN10 and DN15 angle valves</li> </ul>
5	0.79	0.24	0.40	—
6	1.39	0.32	0.55	





Curve	Κv	Kv Δt 1°C	<b>Kv</b> Δt 2°C	Items			
1	0.29	0.15	0.19				
2	0.49	0.20	0.25	_			
3	0.57	0.24	0.36				
4	0.75	0.26	0.41	– DN20 angle valves			
5	1.20	0.31	0.55	_			
6	1.58	0.32	0.56	_			

#### **Working Instructions**



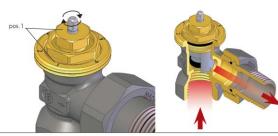
- PROTECTION CAP: Protects the thread during installation and allows for full closing of the valve. It enables to calibrate the nominal lift as follows:
  - Turn the cap until the valve is completely closed without forcing;
  - o Draw a reference line on the valve body corresponding with one of the cap's notches;
  - Unplug the cap for two notches.



STEM SEALING: The tightening device can be easily replaced without draining the system: • Unscrew the hexagonal collar by means of a 13 mm wrench;

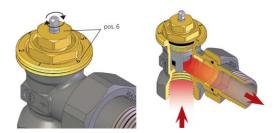


- Remove the O-ring "A", clean the stainless steel stem and insert a new O-ring "A";
- Screw the collar tightly back.



•

FLOW RATE ADJUSTMENT: To set the maximum flow rate:
 Align the reference mark "B" on the stainless steel stem with one of the positions printed on the valve body.



• WARNING: Once the system has been leak tested, please relieve the pressure. A differential pressure over 1 bar between the inlet and the outlet of the valve may cause the sealing O-ring to be expelled.

Straight radiator valve, thermostatically or electronically controlled with white ABS protection cap. ISO 228/1 3/8"F, 1/2"F and 3/4"F connection for iron pipe. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 3/8"M, 1/2"M and 3/4"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RS 202

Angle radiator valve, thermostatically or electronically controlled with white ABS protection cap. ISO 228/1 3/8"F, 1/2"F and 3/4"F connection for iron pipe. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 3/8"M, 1/2"M and 3/4"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RD 205

Straight radiator valve, thermostatically or electronically controlled with white ABS protection cap. ISO 228/1 3/8"F, 1/2"F and 3/4"F connection for iron pipe. 3/8"M, 1/2"M and 3/4"M radiator connection prefitted with peroxide cured EPDM O-ring, cylindrical thread and O-ring. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RS 206

Angle radiator valve, thermostatically or electronically controlled with white ABS protection cap. ISO 228/1 3/8"F, 1/2"F and 3/4"F connection for iron pipe. 3/8"M, 1/2"M and 3/4"M radiator connection prefitted with peroxide cured EPDM O-ring, cylindrical thread and O-ring. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RD 211

Straight radiator valve, thermostatically or electronically controlled with white ABS protection cap. Connection for copper, plastic and multilayer pipe W24x19. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 3/8"M and 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RS 212

Angle radiator valve, thermostatically or electronically controlled with white ABS protection cap. Connection for copper, plastic and multilayer pipe W24x19. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 3/8"M and 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RD 208

Straight radiator valve, thermostatically or electronically controlled with white ABS protection cap. Connection for copper, plastic and multilayer pipe W24x19. 3/8"M, 1/2"M and 3/4"M radiator connection prefitted with peroxide cured EPDM O-ring, cylindrical thread and O-ring. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RS 209

Angle radiator valve, thermostatically or electronically controlled with white ABS protection cap. Connection for copper, plastic and multilayer pipe W24x19. 3/8"M, 1/2"M and 3/4"M radiator connection prefitted with peroxide cured EPDM O-ring, cylindrical thread and O-ring. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RD 211/A

Straight radiator valve, thermostatically or electronically controlled with white ABS protection cap. Connection for copper, plastic and multilayer pipe 3/4"M Eurokonus. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 3/8"M and 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RS 212/A

Angle radiator valve, thermostatically or electronically controlled with white ABS protection cap. Connection for copper, plastic and multilayer pipe 3/4"M Eurokonus. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 3/8"M and 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RD 208/A

Straight radiator valve, thermostatically or electronically controlled with white ABS protection cap. Connection for copper, plastic and multilayer pipe 3/4"M Eurokonus. 3/8"M, 1/2"M and 3/4"M radiator connection prefitted with peroxide cured EPDM O-ring, cylindrical thread and O-ring. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI

#### RS 209/A

Angle radiator valve, thermostatically or electronically controlled with white ABS protection cap. Connection for copper, plastic and multilayer pipe 3/4"M Eurokonus. 3/8"M, 1/2"M and 3/4"M radiator connection prefitted with peroxide cured EPDM O-ring, cylindrical thread and O-ring. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RD 2501

Straight radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. ISO 228/1 3/8"F, 1/2"F and 3/4"F connection for iron pipe. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 3/8"M, 1/2"M and 3/4"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RS 2502

Angle radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. ISO 228/1 3/8"F, 1/2"F and 3/4"F connection for iron pipe. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 3/8"M, 1/2"M and 3/4"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RD 2505

Straight radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. ISO 228/1 3/8"F and 1/2"F connection for iron pipe. 3/8"M, 1/2"M and 3/4"M radiator connection prefitted with peroxide cured EPDM O-ring, cylindrical thread and O-ring. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RS 2506

Angle radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. ISO 228/1 3/8"F and 1/2"F connection for iron pipe. 3/8"M, 1/2"M and 3/4"M radiator connection prefitted with peroxide cured EPDM O-ring, cylindrical thread and O-ring. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RD 2511

Straight radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. Connection for copper, plastic and multilayer pipe W24x19. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 3/8"M and 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RS 2512

Angle radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. Connection for copper, plastic and multilayer pipe W24x19. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 3/8"M and 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RD 2508

Straight radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. Connection for copper, plastic and multilayer pipe W24x19. 3/8"M, 1/2"M and 3/4"M radiator connection prefitted with peroxide cured EPDM O-ring, cylindrical thread and O-ring. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RS 2509

Angle radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. Connection for copper, plastic and multilayer pipe W24x19. 3/8"M, 1/2"M and 3/4"M radiator connection prefitted with peroxide cured EPDM O-ring, cylindrical thread and O-ring. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RD 2508/A

Straight radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. Connection for copper, plastic and multilayer pipe 3/4"M Eurokonus. 3/8"M, 1/2"M and 3/4"M radiator connection prefitted with peroxide cured EPDM O-ring, cylindrical thread and O-ring. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RS 2509/A

Angle radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. Connection for copper, plastic and multilayer pipe 3/4"M Eurokonus. 3/8"M, 1/2"M and 3/4"M radiator connection prefitted with peroxide cured EPDM O-ring, cylindrical thread and O-ring. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential

#### RD 2511/A

Straight radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. Connection for copper, plastic and multilayer pipe 3/4"M Eurokonus. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### RS 2512/A

Angle radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. Connection for copper, plastic and multilayer pipe 3/4"M Eurokonus. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 3/8"M and 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### M 320

Reverse angle radiator valve, thermostatically or electronically controlled with white ABS protection cap. Connection for copper, plastic and multilayer pipe W24x19. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### M 320/A

Reverse angle radiator valve, thermostatically or electronically controlled with white ABS protection cap. Connection for copper, plastic and multilayer pipe 3/4"M Eurokonus. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### M 330

Reverse angle radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. Connection for copper, plastic and multilayer pipe W24x19. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### M 330/A

Reverse angle radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. Connection for copper, plastic and multilayer pipe 3/4"M Eurokonus. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### M 322

Reverse angle radiator valve, thermostatically or electronically controlled with white ABS protection cap. ISO 228/1 1/2"F connection for iron pipe. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

#### M 332

Reverse angle radiator valve, thermostatically or electronically controlled, with anti-loosening white ABS manual control knob. ISO 228/1 1/2"F connection for iron pipe. Radiator connection prefitted with peroxide cured EPDM O-ring, DIN 2999 1/2"M conical thread. Valve body in chrome-plated CW617N brass. Double peroxide cured EPDM O-ring on the AISI 316 stainless steel stem. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.



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