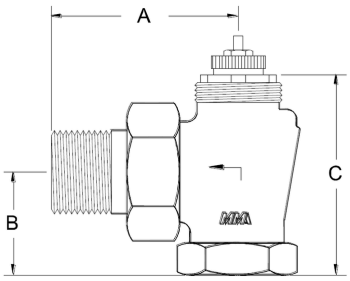
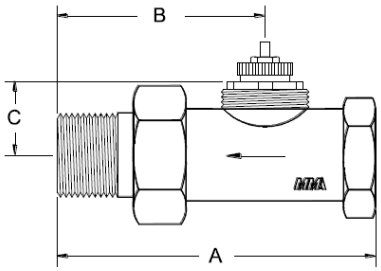
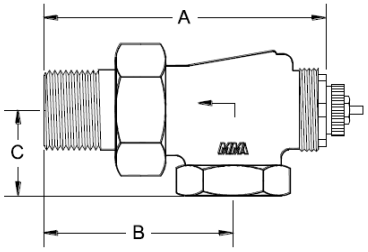
RAD Series Thermostatic Radiator Valves



RAD-VA Angle



RAD-STR Straight



RAD-HA Horizontal

For Hot Water and Low Pressure Steam

Armstrong's thermostatic radiator valves are offered in straight, angle and reversed angle patterns. Thermostatic operators provide accurate and automatic controls of space temperature. They are ideal for hot water and low pressure steam heated convectors, radiators, thermostatically controlled hydronic or low pressure heat exchangers. Four styles of thermostatic operators are available.

Pressure/Temperatures	
Maximum Steam, psig (barg)	15 (1)
Maximum Temp. °F (°C)	250 (121)
Max. Diff.–Water, psig (barg)	20 (1)
Max.Static Pressure,psig(barg)	145 (10)

Note: Fail closed valves also available, consult factory.

Steam Capacity, lb/hr (kg/hr)			
Pressure Drop with 10 psig Inlet	**1/2" (15 mm)**	**3/4" (20 mm)**	**1" (25 mm)**
1 psig (1/15 barg)	28 (12)	36 (16)	39 (17)
3 psig (1/5 barg)	46 (20)	65 (29)	70 (31)
5 psig (1/3 barg)	63 (28)	84 (38)	91 (41)
7 psig (1/2 barg)	72 (32)	96 (43)	104 (47)
10 psig (2/3 barg)	90 (40)	120 (54)	130 (58)

Hot Water Capacity, GPM (l/min)			
Pressure Drop *Ft. H2O	**1/2" (15 mm)**	**3/4" (20 mm)**	**1" (25 mm)**
1	1-1/5 (5-3/5)	16-1/2 (62)	17 (64)
4	23-1/2 (89)	32-1/2 (123)	35 (132)
8	33-1/2 (126)	47 (177)	51 (193)
12	41 (155)	57 (215)	62 (234)
16	47-1/2 (179)	66 (249)	71 (268)

Note: Assumes 20°F drop in water temperature through radiation.
*1 Ft. H20 = 0.433 psi

Physical Data–Valve Bodies

Pattern	Angle						Straight						Horizontal					
Pipe Conn. FPT x MPT	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
	1/2	15	3/4	20	1	25	1/2	15	3/4	20	1	25	1/2	15	3/4	20	1	25
"A"	2-1/4	51	2-1/2	64	3	80	3-1/2	89	4	100	4-5/8	102	3-3/8	77	3-3/4	96	4-3/16	102
"B"	1	25	1-1/8	28	1-3/8	34	2-1/16	51	2-1/2	65	2-15/16	59	2-3/16	51	2-1/2	65	3	80
"C"	1-3/4	45	2-1/8	53	2-1/4	58	1	25	1	25	3-3/8	77	1-1/2	32	1-1/4	32	1-3/8	34
Cv	1.8		2.5		2.74		1.8		2.5		2.74		1.8		2.5		2.74	
Weight, lb (kg)	0.6 (0.3)		0.8 (0.4)		1.4 (0.7)		0.6 (0.3)		0.8 (0.4)		1.6 (0.7)		0.6 (0.3)		0.8 (0.4)		1.4 (0.7)	
Replacement Inserts	Standard*				LBLD		Standard*				LBSD		Standard*					

*Replacement insert changer tool available upon request.

Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit armstronginternational.com for up-to-date information.