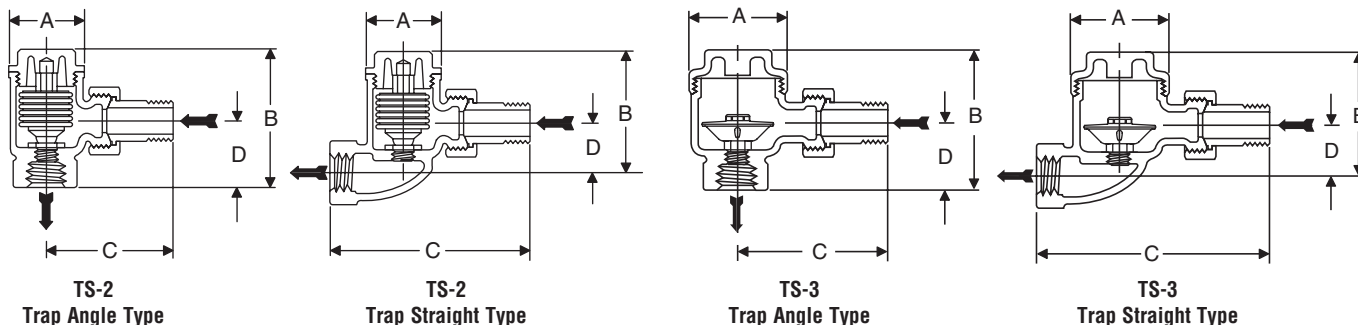


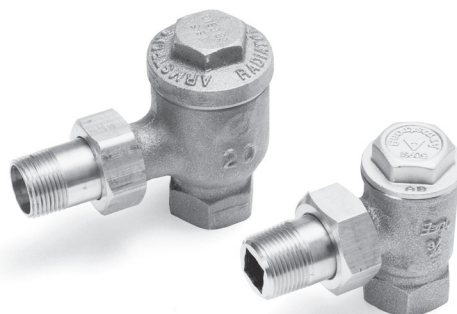


# TS-2/TS-3 Radiator Traps

For Pressures to 65 psig (4.5 bar)...Capacities to 1,600 lb/hr (726/kg)



Armstrong Series TS radiator traps are offered in both angle and straight patterns. The TS-2 has a balanced pressure thermostatic element with a high quality multiple-convolution bellows. It's ideal for draining equipment such as steam radiators and convectors, small heat exchangers, unit heaters and steam air vents. The TS-2 comes with a strong cast bronze body and a stainless seat. The valve and seat are renewable in-line. The TS-3 is a heavy duty wafer type trap for the drainage of all types of steam radiators and convectors. Its wafer design is well suited to systems prone to water hammer, which may damage conventional bellows type units. The TS-3 is repairable in-line and has an all-stainless steel wafer element.



For a fully detailed certified drawing, refer to:

TS-2 CDY #1045

TS-3 CDY #1046

Physical Data																				
Model	TS-2								TS-3											
Pattern	Angle				Straight				Angle					Straight						
Pipe Connections	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
	1/2	15	3/4	20	1/2	15	3/4	20	1/2	15	3/4	20	1	25	1/2	15	3/4	20	1	25
"A" Diameter	1-5/8	41	1-5/8	41	1-5/8	41	1-5/8	41	2	50	2	50	2-3/8	86	2	50	2	50	2-3/8	86
"B" Height	2-15/16	75	3	76	2-11/16	68	2-7/8	73	2-7/8	73	3-5/8	92	3-7/8	98	2-5/8	61	3-3/8	86	3-1/2	89
"C"	2-9/16	65	2-7/8	73	4	102	4-1/2	114	3-1/8	79	3-1/2	89	4-1/8	105	4-7/8	124	5-1/4	133	6-1/2	165
"D"	1-3/8	35	1-5/8	41	1-1/8	28	1-5/16	33	1-3/8	35	1-5/8	41	2	50	1-1/8	28	1-3/8	35	1-5/8	41
Weight, lb (kg)	1-1/2 (0.68)		1-3/4 (0.79)		1-1/2 (0.68)		2 (0.91)		1-1/2 (0.68)		2 (0.91)		2-1/2 (1.1)		1-1/2 (0.68)		2-1/4 (1)		3 (1.4)	
Maximum Allowable Pressure (Vessel Design)	50 psig @ 300°F (3.4 bar @ 149°C)								65 psig @ 315°F (4.5 bar @ 157°C)											
Pressure, psi (bar)	50 (3.4)								65 (4.5)											
Vacuum Ratings	25" Mercury								10" Mercury											

Materials		
Name of Part	TS-2	TS-3
Cap	Bronze, ASTM B-62	
Body	Bronze, ASTM B-62	
Union Nipple	Brass, ASTM B-584	
Valve	Brass	Stainless Steel
Valve Seat	Stainless steel	Stainless steel
Element	Phosphor-bronze bellows	T-316 SS Wafer with T-304 SS housing

Capacities					
Orifice Size, in		5/16		1/8	
Differential Pressure		Model No.			
		TS-2		TS-3	
psi	bar	lb/hr	kg/hr	lb/hr	kg/hr
1	0.07	275	125	160	73
3	0.21	395	179	280	127
5	0.34	475	215	360	162
10	0.69	630	286	515	233
20	1.4	1,000	454	625	283
30	2.0	1,200	544	720	327
45	3.1	1,475	669	825	374
50	3.4	1,600	726	870	395
65	4.5	-	-	960	435

Capacities given are continuous discharge capacities in lb/hr (kg/hr) of hot condensate at pressure differential indicated.

Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit [armstronginternational.com](http://armstronginternational.com) for up-to-date information.