

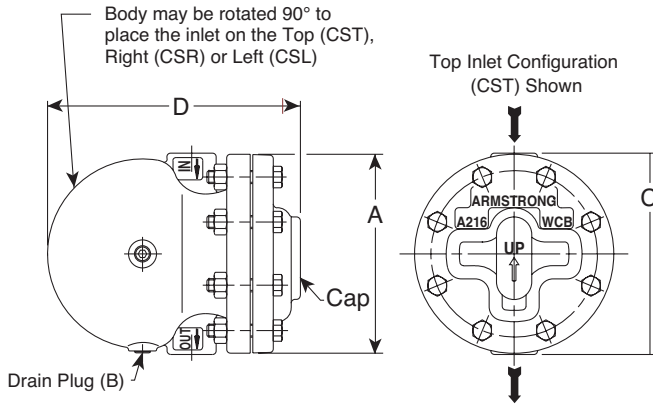


CS Series Float & Thermostatic Steam Traps

Carbon Steel for Horizontal or Vertical Installation, With Thermostatic Air Vent

For Pressures to 465 psig (32 bar)...Capacities to 13,281 lb/hr (6,024 kg/hr)

Steam Trapping and Steam Tracing Equipment



Carbon Steel Float & Thermostatic Steam Traps

The simple yet rugged construction of the CS Series Carbon Steel Float and Thermostatic Trap is designed to assure long, trouble-free service. The CS Series offers horizontal or vertical piping configurations from the same trap. Additionally, in-line repairability is very easy because the cap and mechanism detach quickly while the body stays in-line. For added versatility a full range of connection sizes are offered 1/2" through 2" in NPT, socketweld and flanged.

Benefits

- Horizontal or vertical piping arrangements are available from the same trap
- Inlet and outlet connections are in the body for easy in-line repairability
- More connection sizes available

Materials

Body and cap:
Internals:
Valve(s) and seat(s):
Drain plug:
Thermostatic air vent:

ASTM A216 WCB
All stainless steel
Stainless steel
Carbon steel
Wafer type stainless steel with Hastelloy element

Specification

Steam traps shall be float and thermostatic type having carbon steel cap and body, stainless steel valve and seat and stainless steel float. Piping connections shall be in the trap body and shall be capable of being horizontal with the inlet on either side or vertical with the inlet on top. Cap with mechanism shall be completely removable without disturbing the piping. Integral thermostatic element shall be wafer type constructed of Hastelloy and stainless steel. Thermostatic element shall be capable of withstanding 45°F (7.2°C) of superheat and resistant to water hammer damage.

For a fully detailed certified drawing, refer to CD #1123.

How to Order

Pressure	Model	Inlet Flow Direction	Connection Size	Connection Type
*	CS	T	2	NPT
*	CS = Carbon Steel	T = Vertical Top Inlet R = Horizontal Right Inlet L = Horizontal Left Inlet	2 = 1/2" 3 = 3/4" 4 = 1" 5 = 1-1/4" 6 = 1-1/2" 8 = 2"	NPT SW Flanged (Specify type and class of flange)

*Refer to capacity charts for maximum operating pressures.

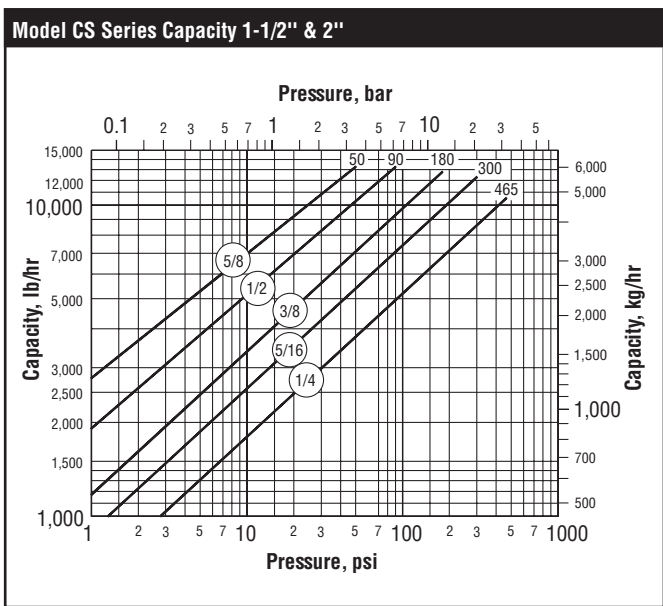
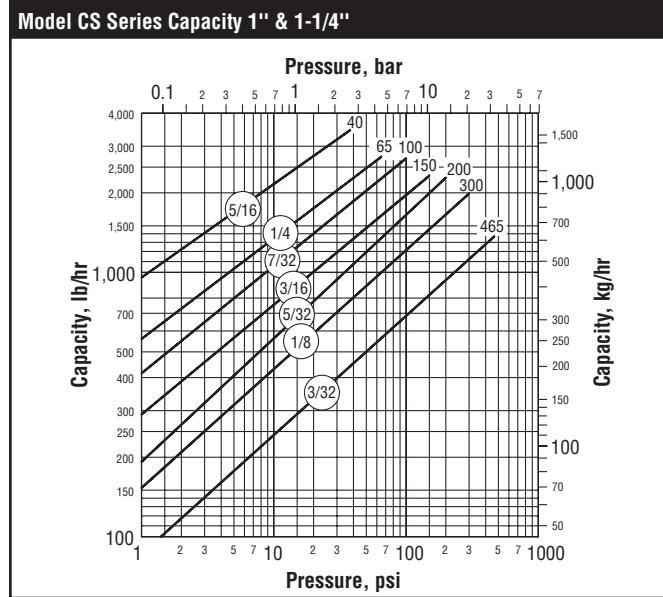
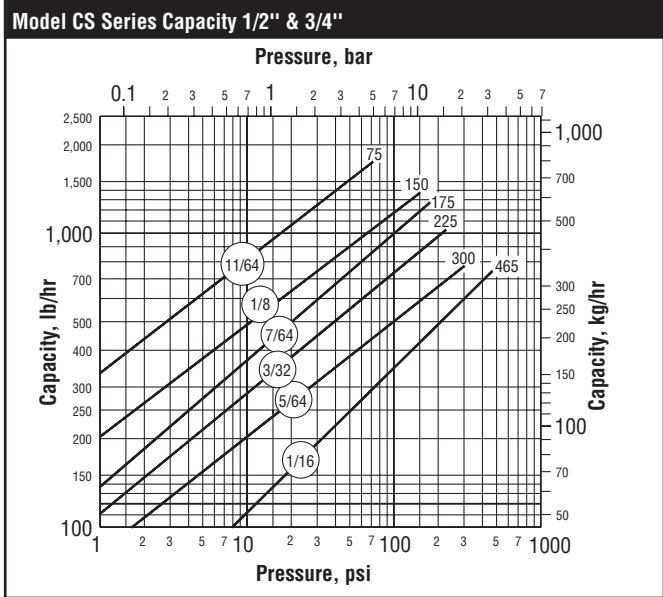
CS Series Float & Thermostatic Steam Traps

Model No.	Body Inlet Orientation					
	CST Top Inlet Connection CSL Left Inlet Connection CSR Right Inlet Connection					
Connections	in	mm	in	mm	in	mm
		1/2, 3/4	15, 20	1, 1-1/4	25, 32	1-1/2, 2
"A" Diameter of Flange	6-11/16	170	8-1/8	206	10-3/4	274
"B" Drain Plug (NPT or BSPT)	1/4	6	3/8	10	3/8	10
"C" Face to Face	6-3/4	172	8-3/8	212	11	280
"D" Overall Length	8-1/2	216	10	255	14-1/4	362
Weight NPT, BSPT & SW lb (kg)	28 (13)		45 (20)		100 (45)	
Maximum Allowable Pressure (Vessel Design)	600 psi @ 650°F* (41 bar @ 343°C)					
Maximum Operating Pressure	465 psi (32 bar)					

*Caution: Superheat in excess of 650°F (343°C) could damage the thermostatic air vent.

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When suitable, floats are chosen to maximize the operating pressure and/or the capacity. Therefore, please observe the following limits when conducting a hydrostatic test:

Model	Orifice Size	Maximum Hydrostatic Test	
		psi	bar
CS-2, CS-3	All	630	44
CS-4, CS-5	All	675	47
CS-6, CS-8	All	700	48