

DS100/DS110 THERMOSTATIC STEAM TRAPS

SPECIFICATION

Steam trap shall be thermostatically actuated and maintenance free. Actuator shall be of single piece, fail open design consisting of 1.2" diameter, welded 316L stainless plates. Trap shall be constructed entirely of 316L stainless steel components with wetted body surfaces finished to 20 μ inch Ra or better. Trap shall be self draining when installed vertically in piping systems. Trap shall have tube or universal ferruled connections. Ferruled connections shall be Tri-clamp compatible and designed to fit both 1/2" and 3/4" service. Trap shall be guaranteed against defects for 2 years.

MAXIMUM OPERATING CONDITIONS

PMO: Max. Operating Pressure 150 psig (10.3 barg)
 TMO: Max. Operating Temperature 366°F (170°C)
 PMA: Max. Allowable Pressure 300 psig* (20.7 barg)
 TMA: Max. Allowable Temperature 500°F* (260°C)

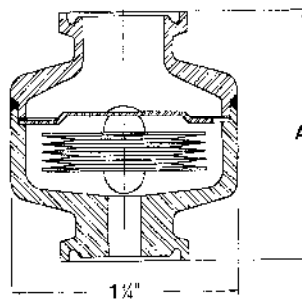
*May be limited by rating of utilized end connection.

BODY SURFACE FINISH

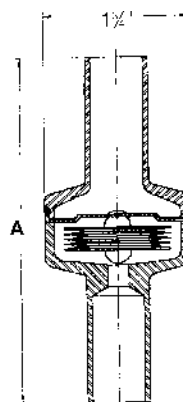
<20 μ in. Ra internal
 Machine Polished external

SERVICE NOTES

Trap is designed to be self draining for vertical installation (discharge down).
 1/2" - 3/4" ferrule service trap should be installed with 3/4" inlet gasket.



TRI-CLAMP CONNECTION



TUBE CONNECTION

Connections: 1/2" - 1" Tube
 1/2/3/4" Tri-clamp

Dimensions			
Trap	End Connections	Size	inches (mm) A
DS100	Tube	1/2", 3/4", & 1"	4" (104.8)
DS100	Ferrule	1/2" & 3/4"	1 1/2" (47.6)
DS110	Ferrule	3/4" & 1"	2" (66.7)

Materials of Construction	
Part Name	Material
Body - Inlet	316L
Actuator	316L
Body - Outlet	316L
Valve	316L

Maximum Capacity—lbs/hr 10°F Below Saturation (Kg/hr 5°C Below Saturation)														
Trap	Orifice Inches	Differential PSIG (bar)												
		5 (0.34)	10 (0.7)	20 (1.4)	30 (2.1)	40 (2.8)	50 (3.4)	60 (4.2)	70 (4.9)	80 (5.6)	90 (6.2)	100 (6.9)	125 (8.62)	150 (10.3)
DS 100	1/4	550 (249)	825 (374)	1210 (549)	1495 (678)	1750 (794)	1975 (896)	2175 (987)	2350 (1066)	2525 (1145)	2650 (1202)	2825 (1281)	3140 (1424)	3425 (1554)