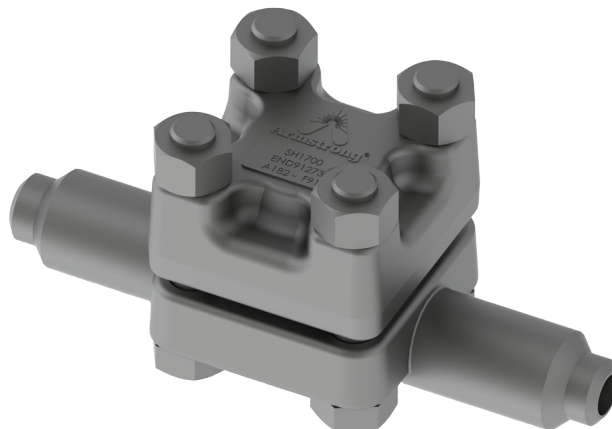
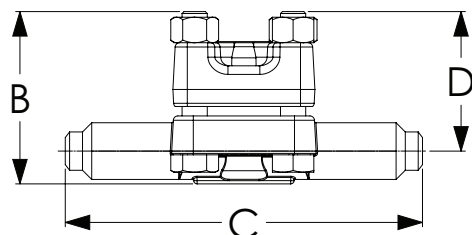
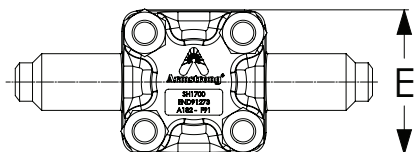


SH-1700 Bimetallic Steam Trap for Superheat Conditions

For Pressures to 1 800 psig (124.1 barg)...Cold Water Capacities to 7 010 lb/hr (3 180 kg/hr)



Description

SH Series superheat steam traps operate by the effect that rising temperature has on the bimetallic elements.

At start-up the valve is wide open, which allows a large volume of non-condensables and cold condensate to be removed from the system. When the trap reaches steam temperature, the bimetallic elements pull the valve into the seat closing the trap. The valve remains closed until the bimetallic elements cool, thus allowing the valve to crack open, vent the condensate and non-condensables, and then close again when steam temperature is reached.

The SH Series superheat steam traps adjust automatically to changing conditions. The SH-1700 series utilizes titanium valves and seats to ensure extremely long service life in the harsh environment of superheated steam systems.

Specifications

Steam trap shall be a bimetallic style. The trap shall be forged chrome-moly steel with integral stainless steel strainer, in-line repairable. The mechanism shall consist of a stacked nickel-chrome bimetal operator, with titanium valve and seat. The steam trap shall be capable of operation on low load and superheat applications throughout its pressure/temperature range.

How to Order

- Specify model number
- Specify maximum operating pressure
- Specify size and type of pipe connections
- When flanges are required specify type of flange

Maximum Operating Conditions

Maximum allowable pressure (vessel design): 1 990 psig @ 1 004°F (137.2 barg @ 540°C)

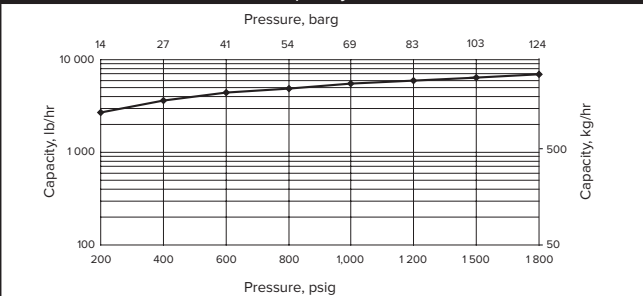
Maximum operating pressure: 1 800 psig (124.1 barg)

Suggested minimum operating pressure: 600 psig (41.3 barg)

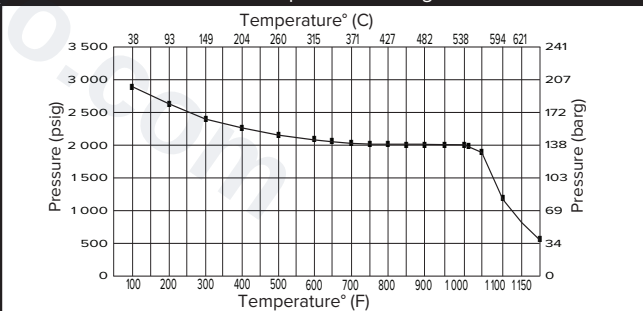
SH-1700		
Model	SH-1700	
Pipe Connections	in	mm
	1/2, 3/4, 1	15, 20, 25
"B" (Height)	5-3/16	148
"C" (End-to-End) - Socket Weld	12-3/8	315
"C" (End-to-End) - Butt Weld	12-3/8	315
"D" (Centerline to Top)	4-13/16	123
"E" (Width)	5	127
Weight in lb(Kg) - SW/BW	33 (15.0)	

Consult factory for weight and dimensions of flanged connections.

Model SH-1700 Cold Water Capacity



Model SH-1700 Pressure/Temperature Rating



SH-1700

Connections	Socketweld, Buttweld, Flanged
Material	
Body and Cap	ASTM A-182 F91
Valve	Titanium
Seat	
Bimetallic Elements	Nickel-chrome and stainless steel
Screen	Stainless Steel
Bolts	ASTM A193 Gr. B8C
Nuts	ASTM A194 Gr. 8C