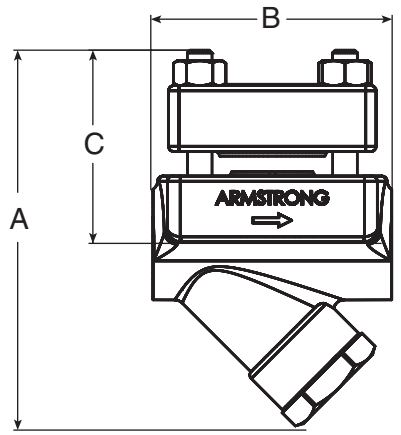
CD-80S Series Disc Trap

For steam serfvice up to 1 000 psig (68.9 barg)...Capacities to 800 lb/hr (362 kg/hr)

Description

The Armstrong CD-80S series are durable disc style steam traps designed for medium to high-pressure use. Perfectly suited for drip trap and tracing applications, the CD-80S series was engineered to meet the demanding conditions found in Power and Petrochemical applications.

With an integral strainer and rugged construction, the CD-80S series offers a compact, reliable solution for high pressure applications with low condensate loads.



Advantages

- Compact
- Integral Strainer
- Freeze-resistant
- Replaceable seat and disc
- Weldable

Connections

- Screwed NPT and BSPT
- Socketweld and Buttweld
- Flanged Connections available

Series CD-80S List of Materials

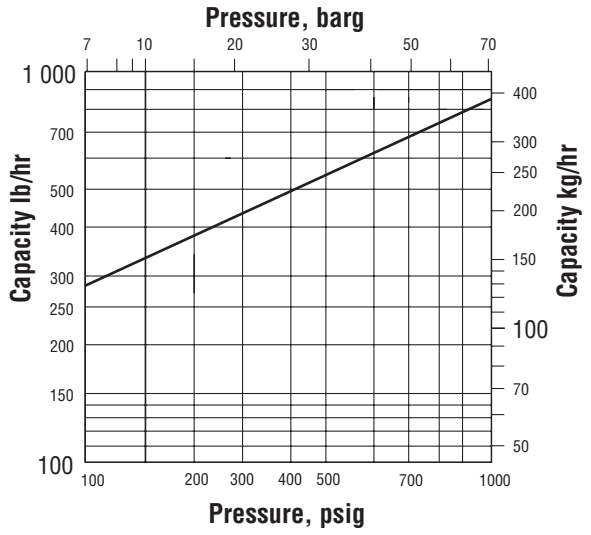
Name of Part	Material	
	CD-80S	CD-82S
Body	ASTM A182 F11 Class 2	ASTM A182 F22 Class 3
Cap		
Screen Retainer		
Disc	ASTM A681 TYP D2	
Seat		
Bolts/Nuts	ASTM A193 Gr. B16 / ASTM A194 Gr. 7	
Strainer Screen	30 x 30 Mesh T-304 Stainless Steel	

Series CD-80S Dimensions and Weights

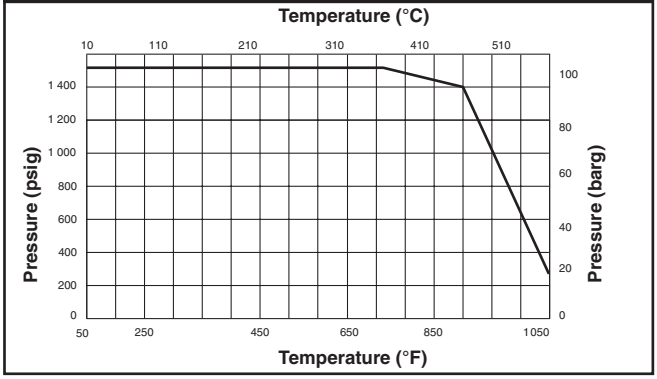
Model No.	CD-80S / CD-82S	
	in	mm
	1/2, 3/4	15, 20
"A" Height	5-11/16	144
"B" Length*	3-5/8	92
"C" CL to top of cap	2-31/32	75
Weight, lb (kg)*	7.75 (3.5)	
Maximum Allowable Pressure (vessel design)	1 500 psig @ 650°F (103.4 barg @ 343°C)	
Minimum Operating Pressure	100 psig (6.9 barg)	
Maximum Operating Pressure	1 000 psig @ 546°F (68.9 barg @ 285°C)	

* Consult factory for buttweld and flanged dimensions and weights.

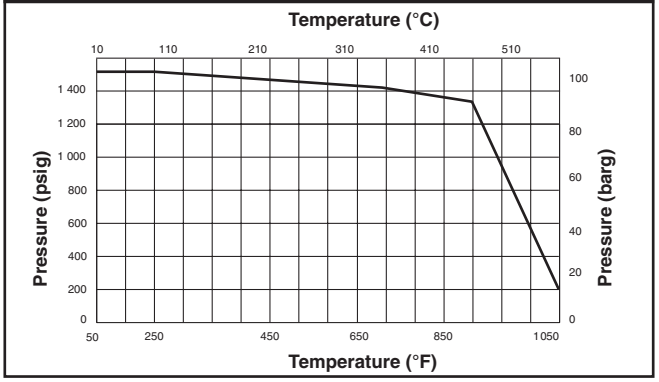
Series CD-80S Series Capacity



CD-80S Allowable Pressure/Temperature



CD-82S Allowable Pressure/Temperature



Specification

Steam trap shall be forged steel (ASTM A182 F11 or ASTM A182 F22) thermodynamic type. Trap shall be supplied with bolted cover and replaceable disc and seating surfaces. Trap shall be supplied with an integral Y strainer with stainless steel mesh. Maximum allowable pressure (vessel design) shall be 1 500 psig @ 650°F (103.4 barg @ 343°C). Maximum operating pressure shall be 1 000 psig @ 546°F (68.9 barg @ 285°C).