

CD72SR Series Disc Traps

For Steam Service up to 69.6 barg and Capacities from 435 Kg/hr

Armstrong CD72SR is a disc styled trap designed to control the trap's cycle rate. The reduced cycle rate provides Armstrong CD72SR trap with a longer service life than typical disc traps. This enhanced performance ensures minimum maintenance time and reduced steam costs.

The capacity of Armstrong CD72SR has been engineered specifically for the following applications: large steam main drips, process equipments and HVAC heating equipments at constant pressure.

Advantages of CD72SR

- Minimum wear with controlled cycling
- Freeze-resistant
- Hardened Seat and disc
- Weldable
- In-line repairable

Connections

Screwed BSPT and NPT

Socketweld

Flanged EN 1092-1 or ASME B16.5 (Welded).

Consult factory for dimensions and weight

Table ST-173-1. CD72SR List of materials

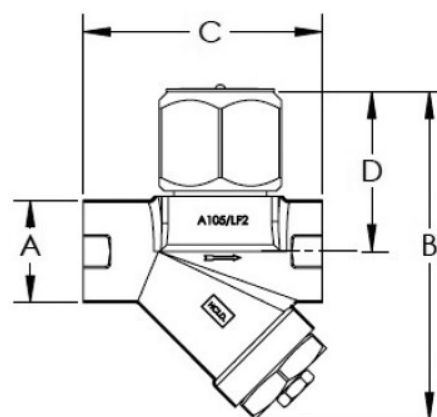
Name of Part	Material
	CD72SR
Body	Dual certified Forged Corten Steel ASTM A 105N / A350 LF2 Cl. 1
Cap	
Disc & Seat	ASTM A 564 TYP630, H900
Strainer Screen	Stainless steel TYP304, 30 x 30 Mesh
Screen Retainer	Dual certified Forged Corten Steel ASTM A 105N / A350 LF2 Cl. 1
Blowdown Plug	ASTM A350 Gr. LF2 CL1

Table ST-173-2. CD72SR Dimensions and Weights

Model No.	CD72SR			
	1/2" and 3/4" (DN 15 DN20)		1" (DN25)	
	in	mm	in	mm
"A"	1.53	38.8	1.89	48.0
"B" Height	4.89	124.1	5.12	130.0
"C" Length	3.56	90.5	4.41	112.0
"D" CL to top of cap	2.38	60.5	2.58	65.6
Weight, Kg (lb)	1.5 (3.31)		2.0 (4.59)	
Max. allowable pressure (Vessel Design)	69.6 barg @ 399°C (1010 psig @ 750°F)			
MIn. operating pressure	0.24 barg (3.5 psig)			
Max. operating pressure	41.4 barg @ 252°C (600 psig @ 486°F)			

OTHER FACE TO FACE DIMENSIONS ARE AVAILABLE

CD72SR	1/2" (DN15)				3/4" (DN20)				1" (DN25)			
			INDIA - IBR				INDIA - IBR				INDIA - IBR	
			Inch	mm			Inch	mm			Inch	mm
150#	6,7	169	8,3	210	6,9	174	7,9	200	7,9	200	8,7	220
300#	7,0	179	8,8	224	7,2	183	8,7	220	8,4	213	9,4	240
600#	7,6	192	9,3	235	7,7	195	9,1	230	8,9	226	10	253
PN40	5,9	150	-	-	5,9	150	-	-	6,3	190	-	-



CD72SR CAPACITY CHART

Capacities given are in continuous discharge capacities in pounds and kilograms of hot condensate per hour at pressure differential indicated with condensate temperatures approximately 25° F (14°C) below steam temperature.

