BESTOBELLSTEAM

Disc Traps

Model DTCS210

THERMODYNAMIC DISC TRAP WITH TRI-CLAMP CONNECTIONS

Bestobell's DTCS210 Series is a 1/2" 316L Stainless Steel thermodynamic disc trap, that is compact with a lightweight design and tri-clamp® end connections.

This non-sanitary trap is constructed of 316L stainless steel which offers better corrosion resistance than other thermodynamic traps. It meets the requirements of quick response applications in the steam system. Condensate entry below the disc, concentric to the disc/seat ensures a clean parallel lift of the disc with reference to the seat, eliminating localized wear and tear.

The DTCS210 is ideal for fluctuating loads and pressures. It is virtually maintenance free with a one year replacement warranty.

Shown with non-standard 20 Ra finish

ORDERING SCHEMATIC

MODEL				6	7	8
D	T	C	S	2	1	4

6	SIZE
2	1/2"

7	CONNECTIONS
1	Tri-Clamp®

8	SPECIALS
0	None
4	20 Ra Finish

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THERMODYNAMIC DISC TRAP WITH TRI-CLAMP CONNECTIONS

SPECIFICATIONS

Maximum Pressure Allowable: 227 psig (15,6 bar)

Maximum Operating Pressure: 227 psig (15,6 bar)

Maximum Temperature Allowable: 842°F (450°C)

Line Sizes: 1/2"

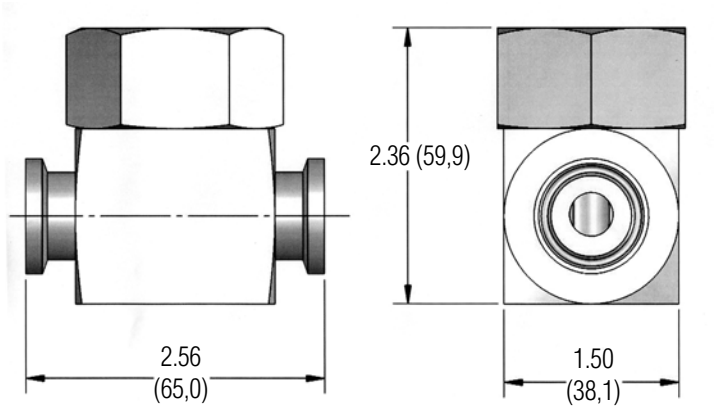
End Connections: Tri-Clamp®

Options: 20 Ra external finish

Maximum operating back pressure at the outlet should not exceed 80% of the inlet.

Minimum differential pressure for satisfactory operation 3.5 psig (0,24 bar)

DIMENSIONS



MATERIALS

Body: AISI 316L

Disc Cap: AISI 316L

Disc: AISI 316L

INSTALLATION

The DTCS210 can be installed any position, but the preferred installation is in the horizontal plane with the cap on top. Full port isolation valves should be installed upstream and downstream of the trap for safe maintenance. Always open isolation valves slowly until normal operating conditions are achieved to avoid system shocks.

PREVENTATIVE MAINTENANCE

The DTCS210 can be maintained without disturbing the piping connections. Ensure that the trap is isolated - upstream and downstream - before attempting to dismantle it. Allow the trap to cool before dismantling. Periodic cleaning of the disc and seat will facilitate trouble-free performance. Do not use abrasives / corrosive media for cleaning. Only the disc and seat are subject to wear. A worn disc can be replaced and slight seat wear can be corrected by resurfacing on a lap plate.

For new installations, the system should be properly flushed prior to fitting the trap.

PRESSURE RATINGS

	bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	psig	14	29	43	58	72	87	101	116	130	145	159	174	188	203	217	232
kg/hr	0	125	200	260	300	340	380	410	440	460	480	500	510	515	520	520	520
pph	0	275	440	572	660	748	836	902	968	1012	1056	1100	1122	1133	1144	1144	1144

RECOMMENDED INSTALLATION