

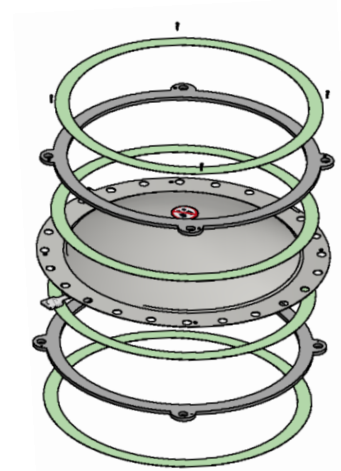
STEAM CONDENSER PROTECTION TYPE HOV-SC

DESCRIPTION

The HOV-SC is a forward-acting, composed type bursting disc, specifically designed for protection of steam condenser casings against unacceptable overpressures.

FEATURES AND BENEFITS

- Fast-acting, unrestricted pressure relief
- Full vacuum resistant due to integral vacuum support
- Passive device with minimum maintenance
- Extended service life
- Compact, light-weight design
- Fast refurbishment resulting in minimum downtime



APPROVALS:

- CE marked



SPECIFICATIONS

Type	HOV-SC							
Action	Forward-acting							
Disc Material	1.4301 SST / Teflon / 1.4301 SST Alternatively: 1.4404 SST / Teflon / 1.4404 SST							
Max. Operating Pressure	80% of minimum specified burst pressure							
Burst Pressure	See table below							
Burst Pressure Tolerance	70 mbarg < BP ≤ 250 mbarg				± 25 mbarg			
	250 mbarg < BP ≤ 500 mbarg				± 50 mbarg			
	500 mbarg < BP ≤ 750 mbarg				± 75 mbarg			
	750 mbarg < BP ≤ 1000 mbarg				± 100 mbarg			
	BP > 1000 mbarg				± 10%			
Vacuum Resistance	Full							
Operating Temperature	-40°C to 260°C							
Nominal Sizes ¹	DN150	DN200	DN250	DN300	DN350	DN400	DN500	DN600
	6"	8"	10"	12"	14"	16"	20"	24"
	DN700	-	DN800	DN900	DN1000	-	-	DN1200
	-	30"	32"	36"	40"	42"	44"	-
Installation Flange	Welding Neck Flange PN10 / ANSI B16.5 / MSS SP-44 with specific clamping dimensions (see table below)							

(1) Consult factory for other sizes / flange ratings.

OPTIONS

Support Ring (recommended) ²	Carbon Steel (painted) – SST optional Non-asbestos gaskets on both sides Pre-assembly screws
Holddown ring ²	
Integrated rupture indicator (RI)	Indicator: Copper (Cu) Substrate: Kapton (sealed envelope) Enclosure: Zamak 5

(2) The support ring and the holddown ring ensure a suitable inner diameter for correct vacuum support.



BURST PRESSURES AT 22°C FOR DIMENSIONS PN10 & ANSI B16.5 / MSS SP-44 WN FLANGES

Nominal Size ¹		Minimum Burst Pressure (mbarg)	Maximum Burst Pressure (mbarg)	ID (mm) ²		Relief Area (m ²)	
DIN (mm)	ANSI B16.5 / MSS SP-44 (") ^{2 3}			DIN	ANSI / MSS	DIN	ANSI / MSS
DN150	6	415	1500	159.3	154.2	0.012	0.011
DN200	8	300		207.3	202.7	0.023	0.022
DN250	10	250		260.4	254.5	0.039	0.037
DN300	12	200		309.7	304.8	0.058	0.056
DN350	14	180		341.4	336.6	0.072	0.070
DN400	16	150		392.2	387.4	0.099	0.096
DN500	20	125	1000	493.8	489.0	0.164	0.160
DN600	24	100		595.8	590.6	0.245	0.241
DN700	N/A	100		695.0	-	0.340	-
N/A	30	100		-	743.0	-	0.391
DN800	32	100		797.0	793.8	0.453	0.449
DN900	36	70		894.0	895.4	0.576	0.578
DN1000	40	70		996.0	997.0	0.722	0.723
N/A	42	70		-	1047.8	-	0.802
N/A	44	70		-	1098.6	-	0.885
DN1200	N/A	70		1198.0	-	1.058	-

- (1) For other sizes, consult Fike.
- (2) ID of inlet and outlet flange clamping area to be as specified above. If it cannot be guaranteed, consult Fike for special support rings.
- (3) ANSI B16.5 up to and including 24"; larger sizes (30" and above) are MSS SP-44.