



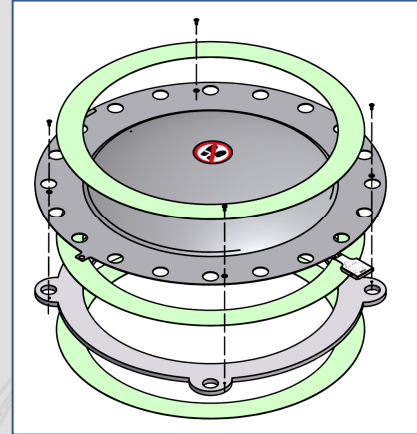
### Steam Condenser Protection Type HOV-SC

#### 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



#### Specifications

<b>Type</b>	<b>HOV-SC</b>							
<b>Action</b>	Forward-Acting							
<b>Disc material</b>	1.4301 SST / Teflon / 1.4301 SST Alternatively: 1.4404 SST / Teflon / 1.4404 SST							
<b>Maximum operating pressure</b>	80 % of Minimum Specified Burst Pressure							
<b>Burst pressure</b>	See Table Below							
<b>Burst pressure tolerance</b>	70 mbarg < BP ≤ 250 mbarg 250 mbarg < BP ≤ 500 mbarg 500 mbarg < BP ≤ 750 mbarg 750 mbarg < BP ≤ 1000 mbarg BP > 1000 mbarg				+/- 25 mbarg +/- 50 mbarg +/- 75 mbarg +/- 100 mbarg +/- 10%			
<b>Vacuum resistance</b>	Full							
<b>Operating temperature</b>	-40°C to 260°C							
<b>Nominal sizes (1)</b>	DN150 6"	DN200 8"	DN250 10"	DN300 12"	DN350 14"	DN400 16"	DN500 20"	DN600 24"
	DN700 -	30"	DN800 32"	DN900 36"	DN1000 40"	42"	44"	DN1200 -
<b>Installation Flange</b>	Welding Neck flange PN10 / ANSI B16.5 / MSS SP-44 with specific clamping dimensions (see table below)							
<b>Support ring (optional)</b>	Carbon Steel (Painted) – SST Optional Non-asbestos Gaskets on Both Sides Pre-assembly Screws							

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

### Burst Pressure @ 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 <sup>2</sup> )	
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		493.8	489	0.164	0.160
DN600	24	100		595.8	590.6	0.245	0.241
DN700	N.A.	100		695	-	0.340	-
N.A.	30	100		-	743	-	0.391
DN800	32	100	1000	797	793.8	0.453	0.449
DN900	36	70		894	895.4	0.576	0.578
DN1000	40	70		996	997	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	-	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.

All above data are subject to change without notice. They must not be used unless confirmed in writing.

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