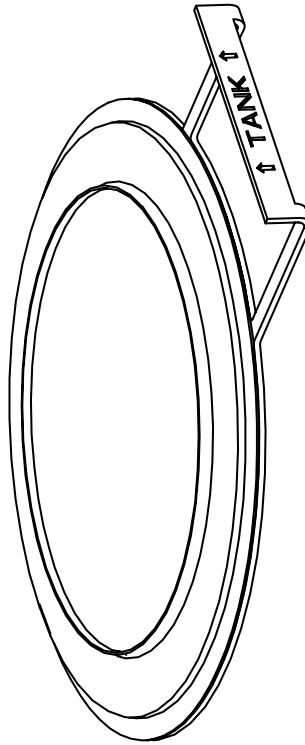


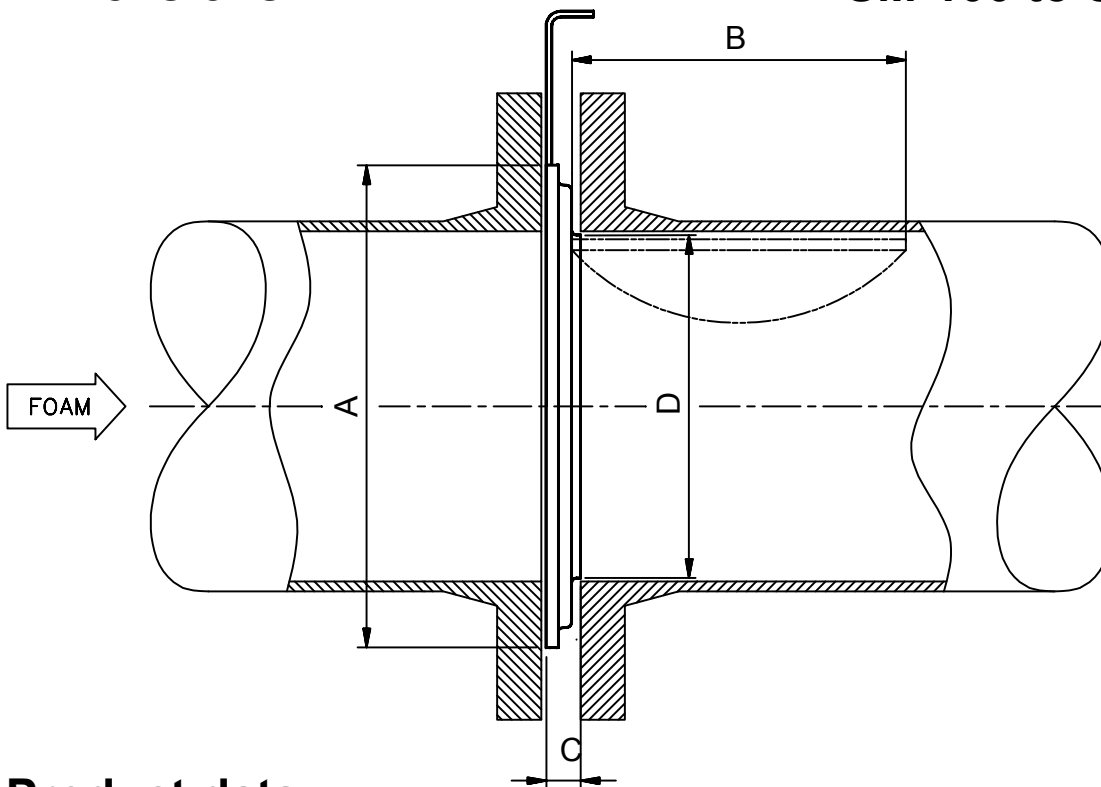
**SM-100 to SM-300****Description**

The SM valve is designed to be used as a check valve sealing off the tank product from the foam line in a “subsurface system” or as a gas-proof check valve in an “over-the-top” foam system.

A PTFE membrane is covering a stainless steel mechanism, preventing product or gas to enter

the foam supply line. At system activation the foam pipe is pressurized, the PTFE membrane will burst (see table overleaf), and the mechanism will open, thus leaving free passage for the foam to enter the tank. The SM membrane is to be mounted between flanges (see table).



**Dimensions****SM-100 to SM-300****Product data**

SM		100	150	200	250	300
<b>Max back pressure, (bar)</b>		6	6	4	3	3
<b>Min required opening pressure, (bar)</b> (add static tank pressure for minimum required foam supply pressure)		0,4	0,25	0,2	0,2	0,4
<b>Fitting flanges</b>	DIN PN 16	100	150	200	250	300
	ANSI 150 lbs	4"	6"	8"	10"	12"
<b>Dimensions, mm</b>	A (outside diam.)	162	220	275	328	376
	B (min. free length inside pipe)	100	150	200	250	300
	C (excl. gaskets)	13	14	15,5	19	20
	D (min. allowed pipe diam.)	101	152	201	252	300
<b>Weight, (kg)</b>		1,0	2,0	3,7	6,3	9,6
<b>Material</b>	Body	Stainless steel				
	Gate	Stainless steel				
	Membrane	PTFE				

**1 bar = 0,1 MPa = 14,5 psi**

Check: MHE Appr. prod: HEJ Date: 990510



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