General description

The foam sealing membrane is designed as a wafer thin seal, easily installed between flanges, manufactured from corrosion resistant stainless steel with a PTFE membrane to be used to seal off the storage tank content from the foam line.

Application description

The sealing membrane is intended 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.

It is also an integrated part in the HSSS semi subsurface foam unit.

Product features

- Corrosion resistant construction made from stainless steel and PTFE
- Installed between DIN and/or ANSI flanges
- Low opening pressure in flow direction
- High back pressure resistance in back flow direction
- Self centre flange ring
- PTFE is resistant to most chemicals (excluding pressurised heated halogen fluorine compounds and alkali metals)

Connections

- Fits in pipework flanged according to DIN PN16, ANSI 150 lbs and mm size.
  Note: Internal diameter on stainless is different from normal steel pipe sizes

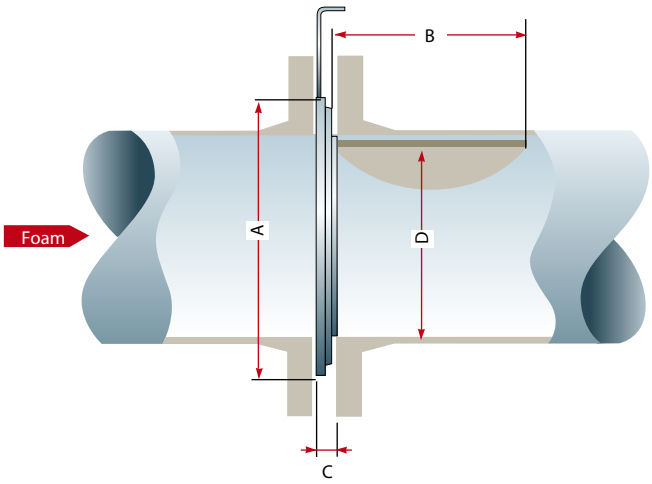
Listings or approvals

- All models Factory Mutual approved

Order information:

Description	Part No.
FSM-80	146008106
SM-100	146110148
SM-150	146115135
SM-200	146120115
SM-250	146125032
SM-300	146130030

SM-100 to SM-300



Product Data

SM		100	150	200	250	300
Max. back pressure		6 bar	6 bar	4 bar	3 bar	3 bar
Min. required opening pressure (add static tank pressure for minimum required foam supply pressure)		0,4 bar	0,25 bar	0,2 bar	0,2 bar	0,4 bar
Fitting flanges	DIN PN 16	100	150	200	250	300
	ANSI 150 lbs	4"	6"	8"	10"	12"
Dimensions (mm)	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
Weight		1,0 kg	2,0 kg	3,7 kg	6,3 kg	9,6 kg
Material	Body	Stainless steel				
	Gate	Stainless steel				
	Membrane	PTFE				

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