

Foam Sealing Membrane SM

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 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 an integral part of the systems to be added in the PFG subsurface and HSSS semi-subsurface foam units.

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 pipe work flanged according to DIN PN16, ANSI 150 lbs and mm size. Note: The internal diameter of stainless steel is different from normal steel pipe sizes



Listings or Approvals

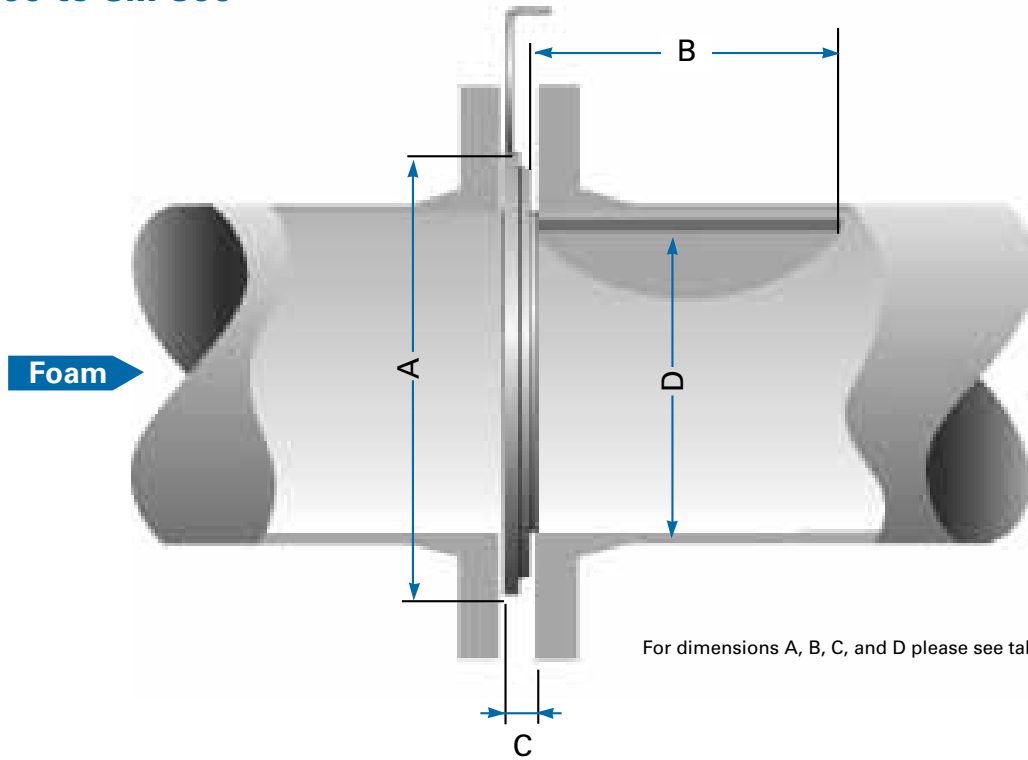
- FM approved
- Tanusitvany (Hungary)
- KFSD (Kuwait)



Order Information

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

SM 100 to SM 300



Performance 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	100	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=0.1MPa=14.5 psi