

Product Name	SM-100 / SM-150 / SM-200 / SM-250 / SM-300
Description	Foam Sealing Membrane
Manufacturer	SKUM
Revision	1.0/2024



ASK ABOUT THE PRODUCT

1. Description

The SKUM foam sealing membrane is designed as a wafer thin seal that is easily installed between flanges. Manufactured from corrosion resistant stainless steel, a Teflon FEP membrane seals off the storage tank content from the foam line.

2. Application

The foam sealing membrane is intended for use as a check valve. This seals off the tank product from the foam supply line in a subsurface system or as a gas-proof check valve in an over the top foam system.

The foam sealing membrane is an integral part of the systems to be added in the PFG subsurface and HSSS semi-subsurface foam units

3. Features

The foam sealing membrane has the following features:

- Corrosion-resistant construction made from stainless steel and Teflon FEP
- 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
- Teflon FEP membrane is resistant to most chemicals excluding pressurised, heated halogen fluorine compounds and alkali metals

4. Connections

- The foam sealing membrane fits in pipework flanged according to DIN PH16 and ANSI 150 lb and mm size.

Note: The internal diameter of stainless steel is different from normal steel pipe sizes.

5. Listings and Approvals

- Tanusitvany (Hungary)
- KFSD (Kuwait)

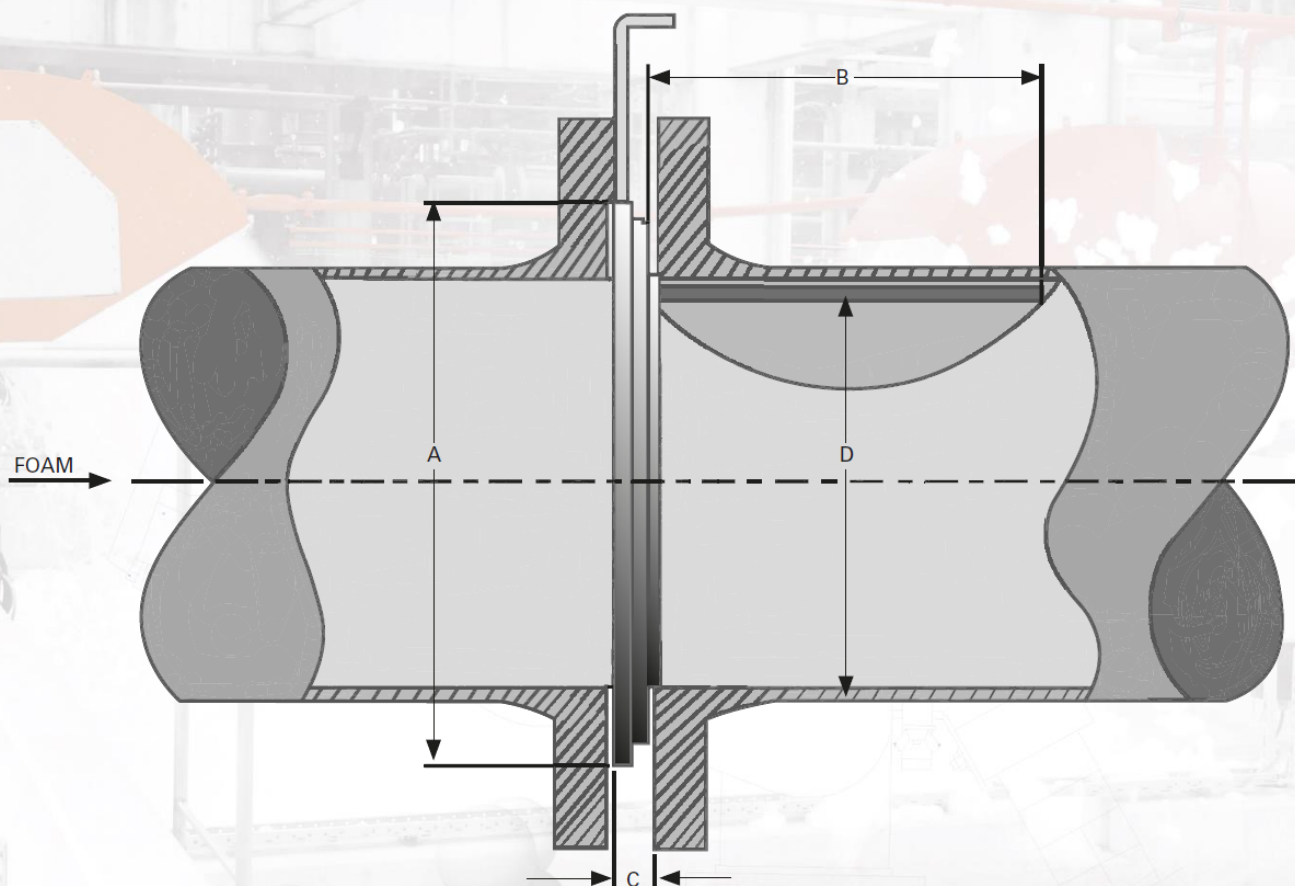


6. Ordering Information

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



7. Design and Performance Data



SM Type				SM 100	SM 150	SM 200	SM 250	SM 300
Dimensions	A	Outside diameter	mm (in.)	162 (6)	220 (9)	275 (11)	328 (13)	376 (15)
	B	Minimum free length inside pipe	mm (in.)	100 (4)	150 (6)	200 (8)	250 (10)	300 (12)
	C	Excluding gaskets	mm (in.)	13 (.5)	14 (.55)	15.5 (.61)	19 (.74)	20 (.78)
	D	Minimum allowed pipe diameter	mm (in.)	101 (4)	152 (6)	201 (8)	252 (10)	300 (12)
Maximum Back Pressure			bar (psi)	6 (87)	6 (87)	4 (58)	3 (44)	3 (44)
Minimum Required Opening Pressure*			bar (psi)	0.4 (6)	0.25 (4)	0.2 (3)	0.2 (3)	0.4 (6)
Fitting Flanges	DIN PN 16			100	100	200	250	300
	ANSI 150 lb			4 in.	6 in.	8 in.	10 in.	12 in.
Weight			kg (lb)	1.0 (2)	2.0 (4)	3.7 (8)	6.3 (14)	9.6 (21)
Material	Body			Stainless steel				
	Gate			Stainless steel				
	Membrane			Teflon FEP				
Maximum Usage Temperature			°C (°F)	200 (392)	200 (392)	200 (392)	200 (392)	200 (392)

* Add static tank pressure for minimum required foam supply pressure.