

Semi-Subsurface Foam Injection Device HSSS

General Description

Foam injecting device used to deliver expanded foam to the liquid surface in a storage tank via a flexible hose.

Application Description

For use in storage tanks containing water soluble flammable liquids or applications where fuel pick-up by foam is not acceptable and expanded foam must be delivered to the surface.

Product Features

- Direct surface foam delivery irrespective of the tank liquid level
- Tell tale device for leakage warning
- Air bleed device
- Stainless steel body
- Built-in Stainless Steel/PTFE sealing membrane construction
- Polyamid rot proof foam hose
- Large capacity range up to 2,500 l/min
- Suitable for tank heights 13 m for HSSS-80 till max 28 m for the HSSS Dependant on HSSS model ref
- Suitable for polar-solvent liquids

Connections

- Inlet / outlet: flanged compatible with DIN PN16 or ANSI 150 lbs

Optional Components

- Check valve, expander and gate valve



Listings and Approvals

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



Order Information - Please Specify

1. Part number
2. Size
3. Flange type: DIN or ANSI
4. Length of hose / tank height

Part No.	Description
■ 147208104	HSSS-80/100 DIN - 10 m
■ 147208207	HSSS-80/100 ANSI - 10 m
■ Specify Quantity	HSSS-80/100 - For change of hose length +/- 1m
■ 147210106	HSSS-100/150 DIN - 10 m
■ 147210209	HSSS-100/150 ANSI - 10 m
■ Specify Quantity	HSSS-100/150 - For change of hose length +/- 1m
■ 147215114	HSSS-150/200 DIN - 10 m
■ 147215212	HSSS-150/200 ANSI - 10 m
■ Specify Quantity	HSSS-150/200 - For change of hose length +/- 1m

Selection Table

Application Rate 4.1 l/min/m²

Tank diameter (m)	<15	15-21	21-28	28-39	39-48
HSSS-80/100	1				
HSSS-80/100		1			
HSSS-80/100			1	2	3

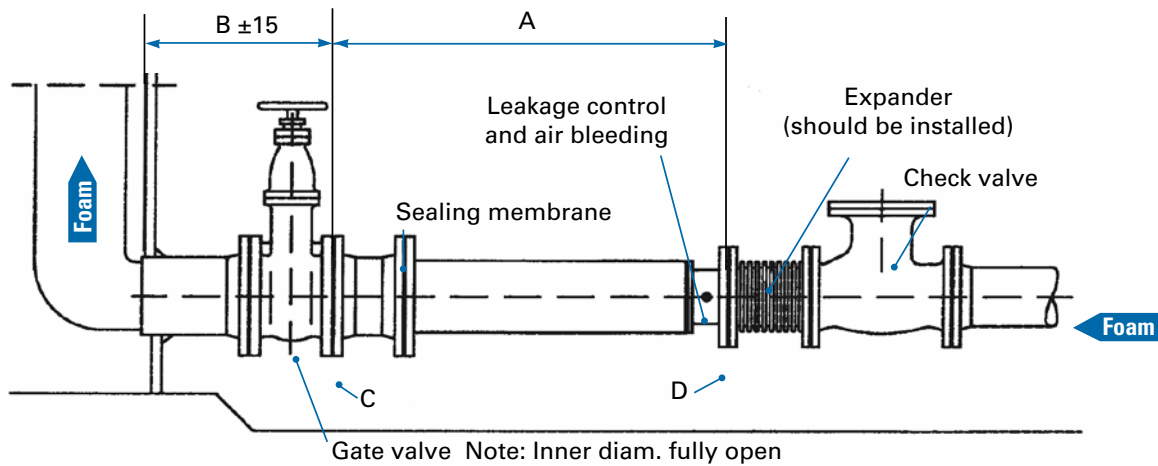
Application Rate 6.5 l/min/m²

Tank diameter (m)	<12	12-17	17-23	23-32	32-39	39-46
HSSS-100/150	1					
HSSS-100/150		1				
HSSS-100/150			1	2	3	4

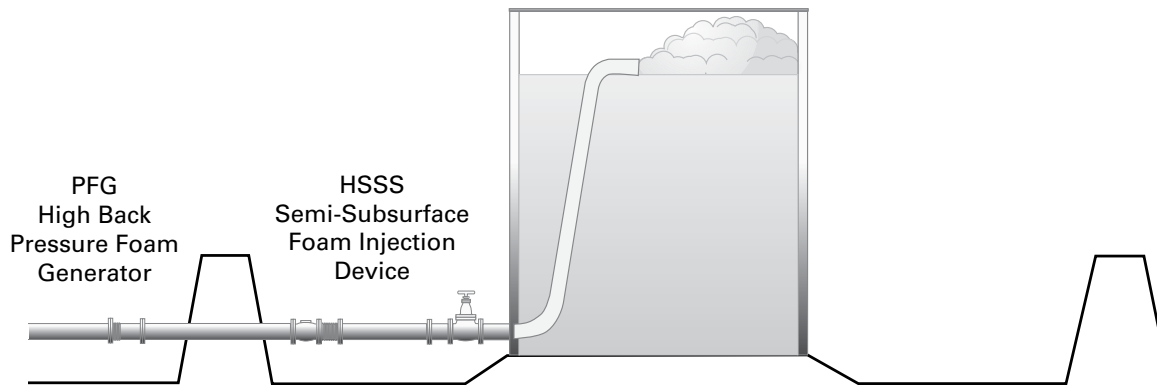
The shut-off valve between the tank and the hose container should be a gate valve of an approved type supported by SKUM. Contact us for more information.

Application Rate 10 l/min/m²

Tank diameter (m)	<10	10-13	13-18	18-25	25-31	31-36	36-40	40-44	44-47
HSSS-150/200	1								
HSSS-150/200		1							
HSSS-150/200			1	2	3	4	5	6	7



Typical installation arrangement at tank base



System in operation

Performance Data

HSSS	80/100	100/150	150/200
■ Water capacity, max	750 l/min 198 USGPM	1,400 l/min 370 USGPM	2,500 l/min 660 USPGM
■ Height of tank, max	13 m	20 m	28 m
■ Minimum required opening pressure	0.4 bar / 5.8 psi	0.2 bar / 2.9 psi	0.2 bar / 2.9 psi
■ Maximum back pressure	6 bar	6 bar	6 bar
■ Dimensions A	805 mm	960 mm	1,110 mm
■ Dimensions B	490 mm	510 mm	530 mm
■ Connection inlet D	100 DIN PN 10/16 or 4" ANSI 150 lbs	150 DIN PN 10/16 or 4" ANSI 150 lbs	150 DIN PN 10/16 or 6" ANSI 150 lbs
■ Connection inlet C	100 DIN PN 10/16 or 4" ANSI 150 lbs	150 DIN PN 10/16 or 6" ANSI 150 lbs	200 DIN PN 10/16 or 8" ANSI 150 lbs
■ Max working pressure	6 bar / 87 psi	6 bar / 87 psi	6 bar / 87 psi
■ Weight	28 kg / 62 lbs	47 kg / 104 lbs	70 kg / 154 lbs

1 bar = 0.1 MPa = 14.5 psi

Material

■ Hose container	Stainless steel
■ Hose	Nylon (polyamid)
■ Foam sealing membrane	Stainless steel / PTFE
■ Distance part (c)	Galvanized steel
■ Flanges	Galvanized steel