

# Semi-Subsurface Foam Injection Device

## HSSS

Datasheet 1008/10

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(replaces datasheet 1008/5)

### General description

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

Please refer to Datasheet 1008/11 for details of the foam sealing membrane SM.

### 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 2500 l/min
- Suitable for tank heights 13m - 28m, dependant on HSSS model ref (see Selection Table)
- Suitable for polar-solvent liquids

### Connections

- Inlet / outlet: flanged according to DIN PN16 or ANSI 150lbs

### Optional components

- Check valve, expander and gate valve

### Listings or approvals

- All models FM approved

**Order information** - please specify:

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



### Selection Table

#### Application rate 4.1 l/min/m<sup>2</sup>

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/m<sup>2</sup>

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			

#### Application rate 10 l/min/m<sup>2</sup>

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

The shut-off valve between tank and the hose container shall be a gate valve, of an approved type, supported by Skum, contact for further information.

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



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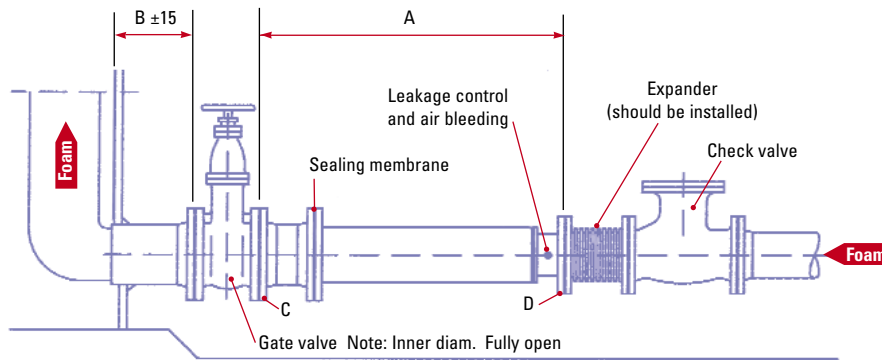
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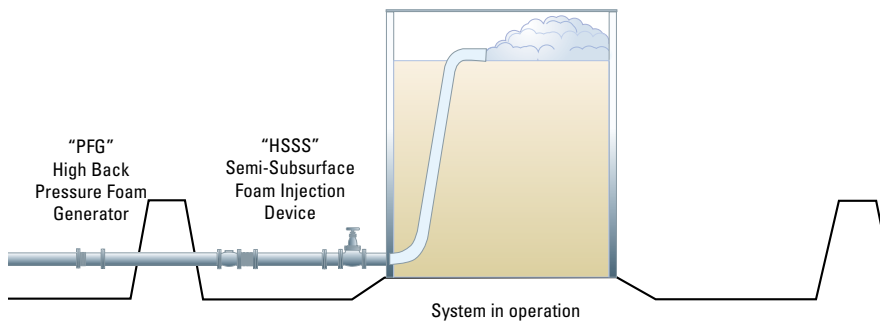
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Typical installation arrangement at tank base



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 USGPM
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	80 DIN PN 10/16 or 3" ANSI 150 lbs	100 DIN PN 10/16 or 4" ANSI 150 lbs	150 DIN PN 10/16 or 6" ANSI 150 lbs
Connection outlet 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
Material	Hose container	Stainless steel	
	Hose	Nylon (polyamid)	
	Foam sealing membrane	Stainless steel / PTFE	
	Distance part (C)	Galvanized steel	
	Flanges	Galvanized steel	

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



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