PFG and PFG-S High Back Pressure Foam Generators

Description

The PFG and PFG-S High Back Pressure Foam Generators are a range of foam making units that produce expanded foam by introducing air into a water and foam liquid solution. The PFG-S version has a built-in foam liquid inductor.

Application

Foam makers are primarily used for subsurface and semi-subsurface foam systems on flammable liquid storage tanks. Other applications are foam inlet heads and pourers at tank tops where aerated foam has to be distributed through a pipeline.

PFG - Features

- Allows high back pressure, up to 40% of inlet pressure
- Factory calibrated to customer requirements
- Can be installed vertically or horizontally

PFG-S - Additional Features

- Built-in foam inductor
- Suction height up to 2.5 m
- Capable of withstanding counter-pressures up to 40% of inlet pressure

Connections

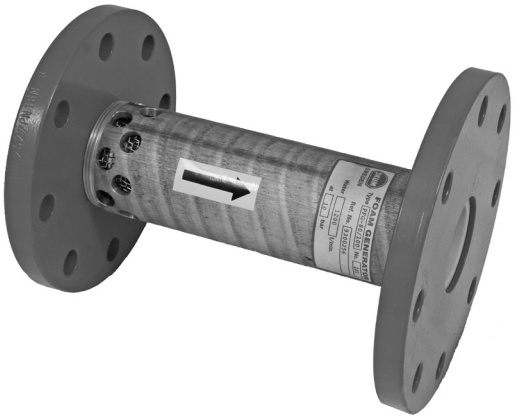
- Water inlet: flanged to fit DIN PN16 or ANSI 150 lbs
- Foam inlet on PFG-S screw threaded BSP

Optional Components

- Foam inlet check valve screw threaded BSP female or hose tail connection
- A range of flanges are available - contact Johnson Controls Technical Services
- Units available in other materials on request

Listings and Approvals

- KFSD (Kuwait)



Order Information

Specify the following when ordering:

- Part number
- Capacity: flow and pressure
- Foam induction (S-version)

Part No.	Description
144005107	PFG - 50/80 DIN
144005204	PFG - 50/80 ANSI
144008109	PFG - 80/100 DIN
144008206	PFG - 80/100 ANSI
144010103	PFG - 100/150 DIN
144010203	PFG - 100/150 ANSI
144005508	PFG - 50/80 S DIN
144005609	PFG - 50/80 S ANSI
144008504	PFG - 80/100 S DIN
144008607	PFG - 80/100 S ANSI
144010505	PFG - 100/150 S DIN
144010607	PFG - 100/150 S ANSI

Note: The converted metric values provided in this document are for nominal reference only and do not reflect an actual measurement.

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Specifications

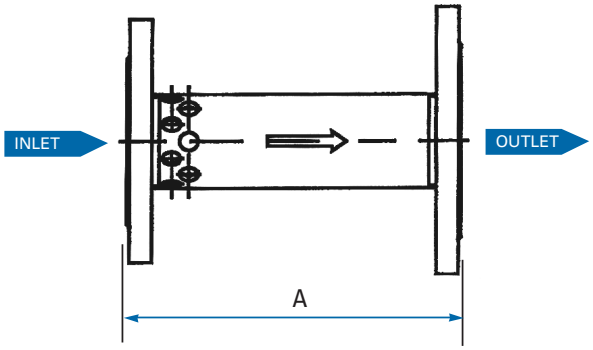

FIGURE 1
PFG

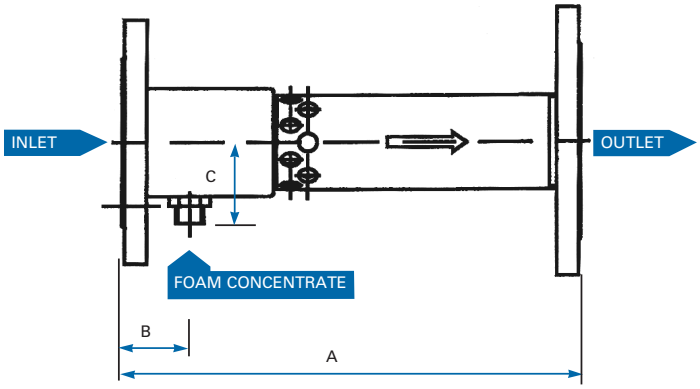

FIGURE 2
PFG-S

Note: For dimensions A,B and C please see table below.

Performance Data Table

PFG	50/80	50/80 S	80/100	80/100 S	100/150	100/150 S
Solution capacity	100-750 Lpm (27-198 gpm)		750-1,400 Lpm (198-370 gpm)		1,400-2,400 Lpm (370-634 gpm)	
Dimensions A	208 mm	275 mm	278 mm	355 mm	352 mm	475 mm
Dimensions B		40 mm		60 mm		69 mm
Dimensions C		42 mm		52 mm		63 mm
Connection, Inlet	50 DIN PN 16 or 2 in. ANSI 150 lb		80 DIN PN 16 or 3 in. ANSI 150 lb		100 DIN PN 16 or 4 in. ANSI 150 lb	
Connection, Outlet	80 DIN PN 16 or 3 in. ANSI 150 lb		100 DIN PN 16 or 4 in. ANSI 150 lb		150 DIN PN 16 or 6 in. ANSI 150 lb	
Connection, Foam Concentrate		Male ¾ in. BSP		Male 1 in. BSP		Male 1in. BSP
Induction, Foam Concentrate		Max 6%		Max 6%		Max 6%
Foam Expansion Ratio	Approx. 3:1		Approx. 3:1		Approx. 3:1	
Maximum Counter Pressure	40% of inlet pressure		40% of inlet pressure		40% of inlet pressure	
Working Pressure Range	6 bar / 87 psi to 16 bar / 232 psi		6 bar / 87 psi to 16 bar / 232 psi		6 bar / 87 psi to 16 bar / 232 psi	
Material: Body	Bronze					
Material: Nozzel / Diffuser	Polypropylene					
Material: Flange	Primer and Red 2-Component Painted Steel					
Weight	10 kg (22 lb)	11 kg (24 lb)	14 kg (31 lb)	16 kg (35 lb)	22 kg (49 lb)	25 kg (55 lb)

*Depending on foam concentrate type

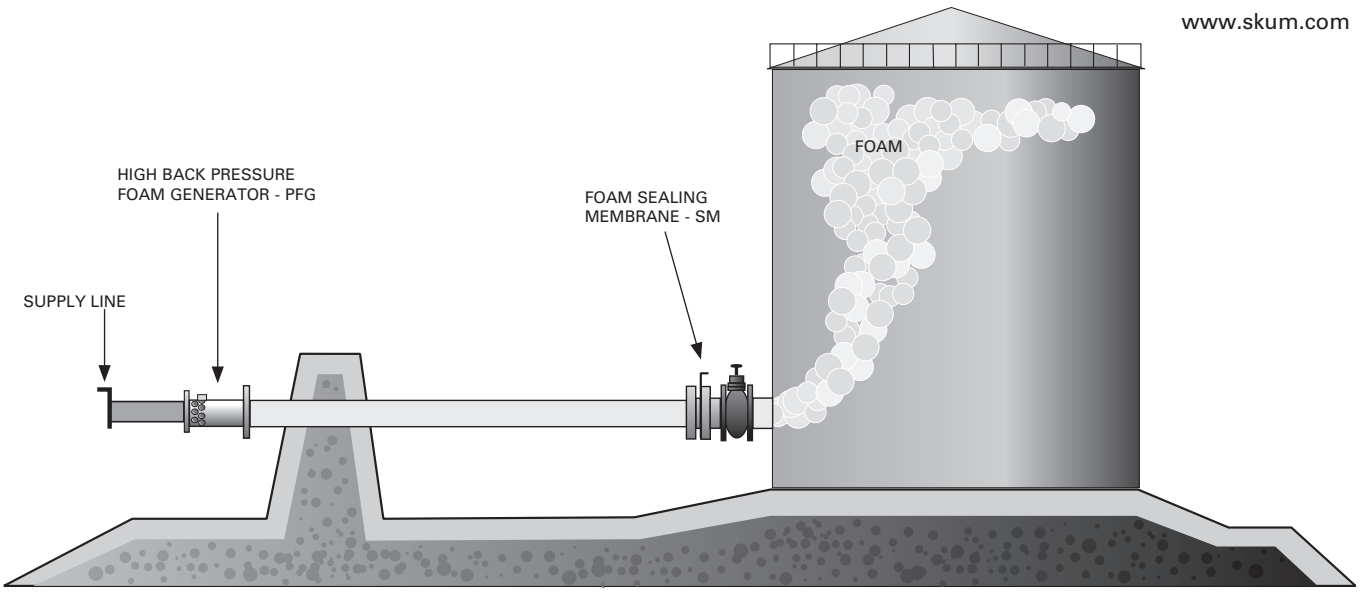

FIGURE 3
SYSTEM IN OPERATION