FJM-MAN
Manual Fog/Jet Monitor

Description

- A range of manually operated fog/jet, water, and foam monitors with exceptional flow characteristics that optimise throw range.
- Exceptional delivery of water or foam as a jet or as a spray pattern.
- The FJM-MAN Manual Fog/Jet Monitor range is available for a number of alternate mounting positions.
- FJM and the FJM-S options available. The FJM-S monitor has an inbuilt foam concentrate inductor, eliminating the need for a separate proportioning system.

Application

The FJM range of fog/jet monitors are designed for easy operation and reliability. Its lighter construction materials ensure an overall light weight.

FJM monitors have a wide operating range and are site adjustable to any demands of the local environment, while still maintaining the highest level of performance.

Note: When running any of the FJM-S range of monitors, adjust to nominal capacity for accurate proportioning.

Features

- Wide capacity range
- Adjustable flow
- Compact and balanced design
- Low weight
- Easily manoeuvred due to low friction bearings
- Long throw length
- Adjustable stream pattern
- Corrosion resistant construction of stainless steel and bronze

Connections

- Foam/water inlet: flanged according to DIN PN 16, JIS 10K, or ANSI 150 lb

Optional Components

- Built-in inductor optional on all models (S Version)
- Gear operation; optional for FJM-150, standard for FJM-200
- Suction hose and valve

Listings and Approvals

- Det Norske Veritas DNV
- Bureau Veritas
- Russian Maritime Register of Shipping (RMRS)
- EN 13565-1 Only sizes 80 and 100 (CNBOP)

Ordering Information

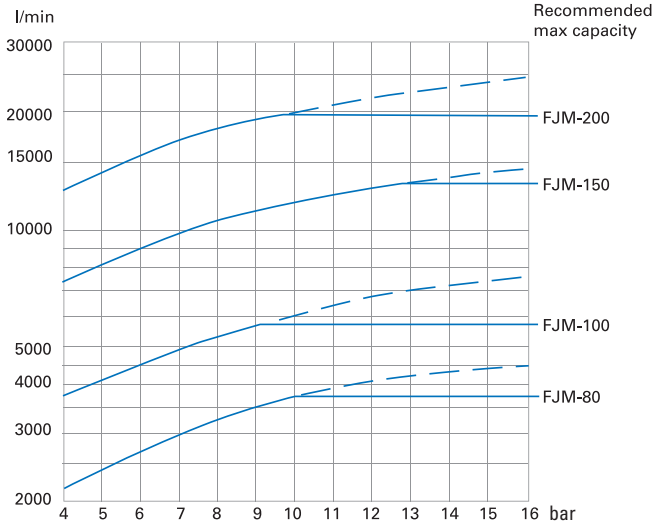
Please specify the following:

1. Part number
2. Type
3 Flange type
4. Capacity: flow and pressure
5. Foam induction (S-version)

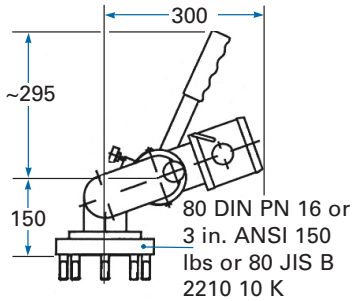
Ordering Information

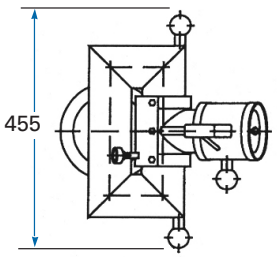
Part No.	Description
■ 161008407	FJM-80 DIN/ANSI
■ 161008319	FJM-80 JIS
■ 161008340	FJM-80 S DIN/ANSI, excluding suction hose
■ 161008537	FJM-80 S JIS, excluding suction hose
■ 160208305	FJM 80 ANSI
■ 161008423	FJM-80 S ANSI, excluding suction hose
■ 161008618	FJM-80 suction hose 1 1/4 in. 3 m
■ 161010403	FJM-100 DIN/ANSI
■ 161010216	FJM-100 JIS
■ 161010315	FJM-100 S DIN/ANSI, excluding suction hose
■ 161010417	FJM-100 ANSI
■ 161010329	FJM-100 S ANSI, excluding suction hose
■ 16101606	FJM-100 suction hose 2 in. 3 m
■ 161015304	FJM-150 DIN/ANSI/JIS
■ 161015405	FJM-150 S DIN/ANSI, excluding suction hose
■ 161315317	FJM-150 G DIN/ANSI/JIS
■ 161315338	FJM-150 S G DIN/ANSI/JIS, excluding suction hose
■ 161015608	FJM-150 suction hose 2 in. 3 m
■ 161320127	FJM-200 G DIN
■ 161320229	FJM-200 G ANSI
■ 162020260	FJM-200 S G ANSI, excluding suction hose
■ 161320236	FJM-200 G JIS
■ 162020267	FJM-200 S G JIS, excluding suction hose
■ 161020618	FJM-200 suction hose 2.5 in. 3 m

FJM Monitors - Capacity Ranges

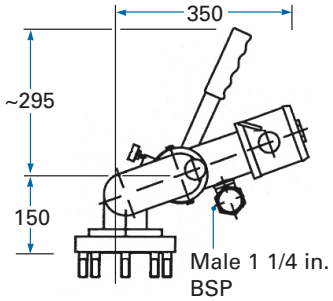


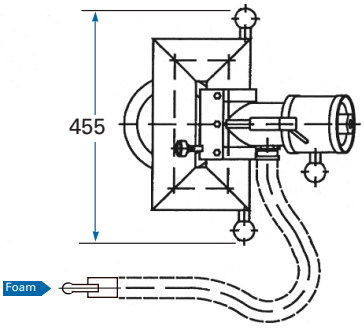
FJM-80



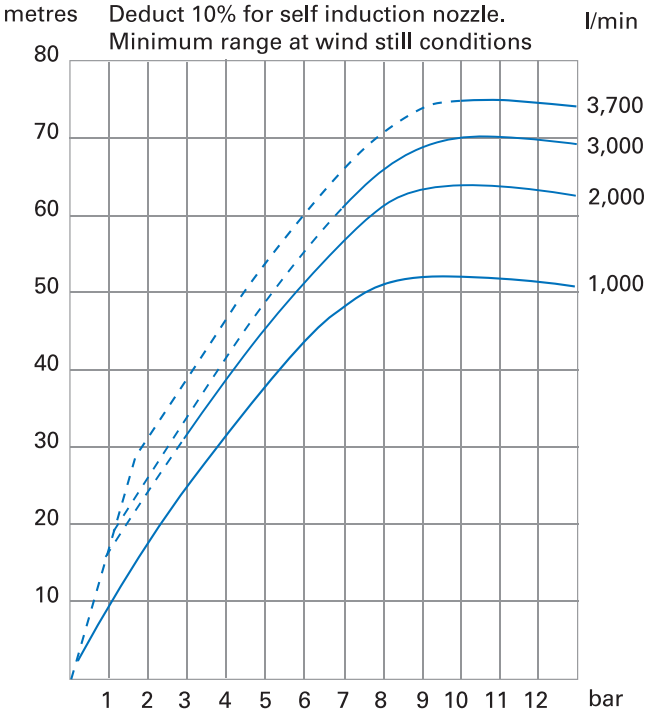


FJM-80 S





FJM-80 Monitor - Range of Jet



Reaction force (N) = 0.233 x Q (Lpm) x √p (bar)

Note: Achieving the values listed in the range of jet graph depends on the monitor's elevation angle. For further details, see the length-height relationship graph.

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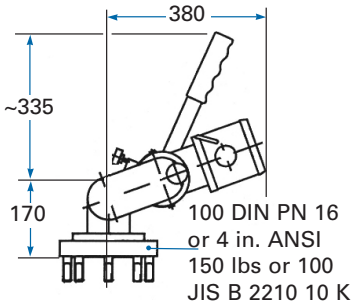
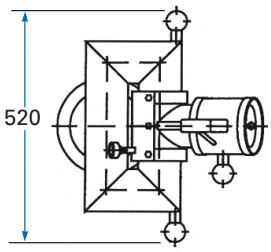
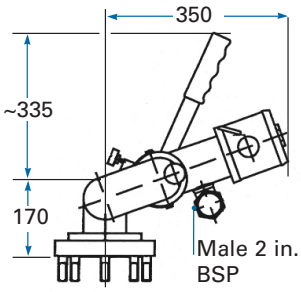
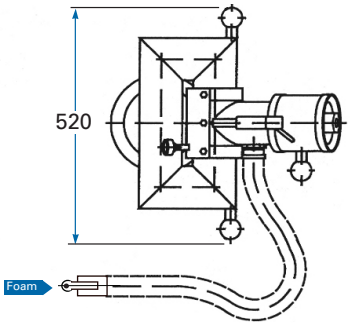
FJM-100



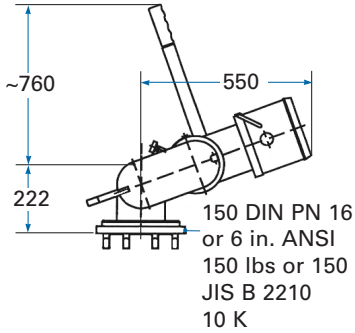


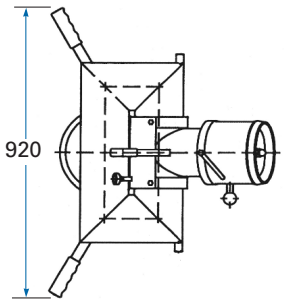
FJM-100 S



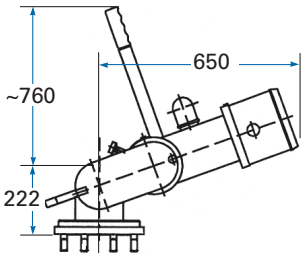


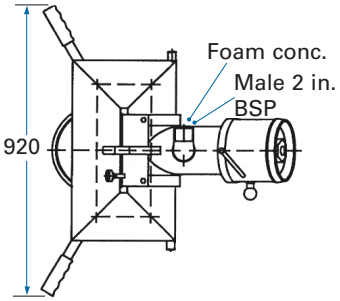
FJM-150



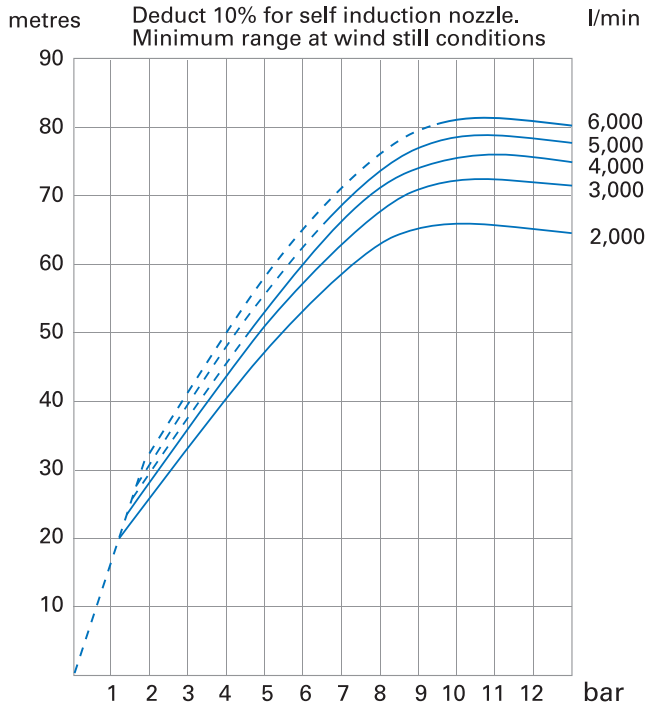


FJM-150 S





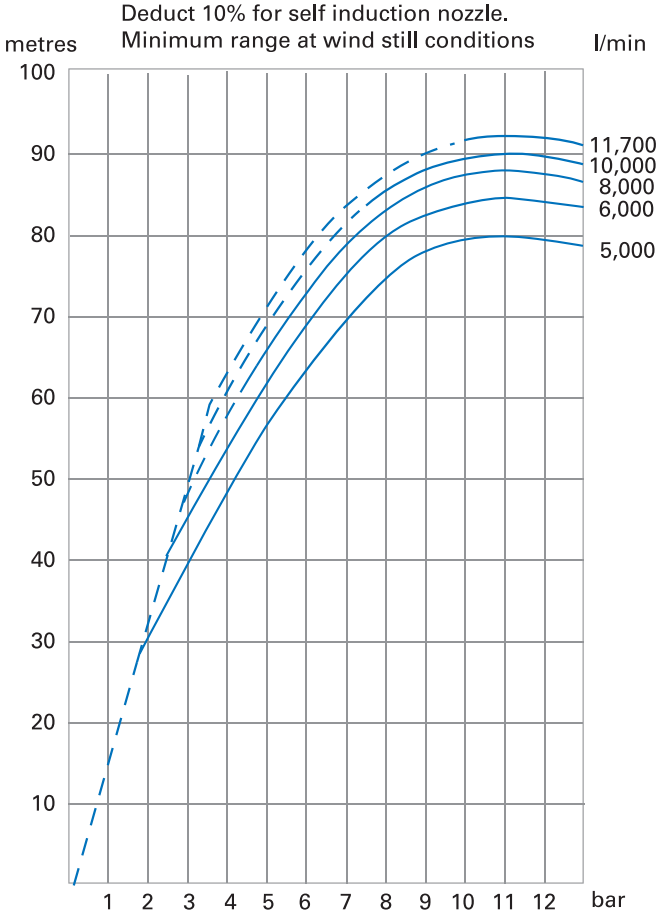
FJM-100 Monitor - Range of Jet



Reaction force (N) = 0.233 x Q (Lpm) x √p (bar)

Note: Achieving the values listed in the range of jet graph depends on the monitor's elevation angle. For further details, see the length-height relationship graph.

FJM-150 Monitor - Range of Jet



Reaction force (N) = 0.233 x Q (Lpm) x √p (bar)

Note: Achieving the values listed in the range of jet graph depends on the monitor's elevation angle. For further details, see the length-height relationship graph.

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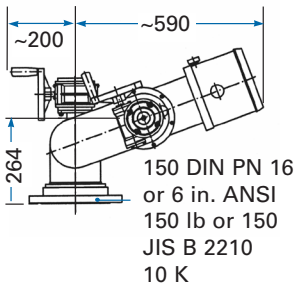
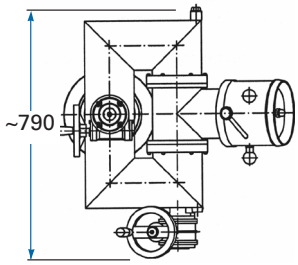
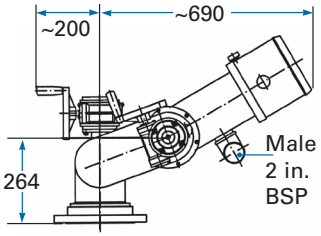
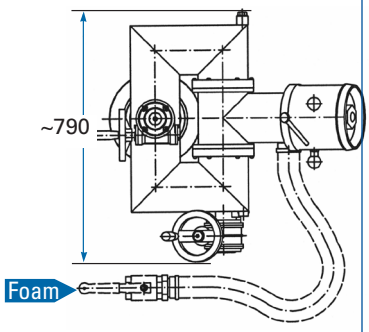
FJM-150 G



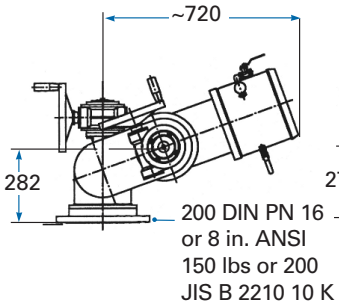


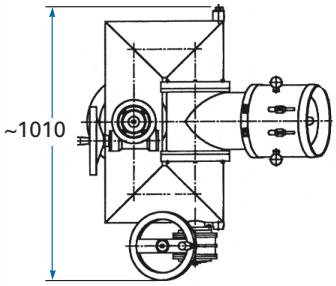
FJM-150 SG



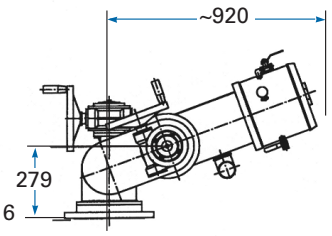


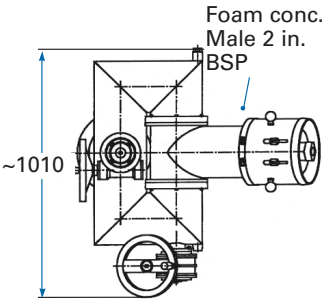
FJM-200 G



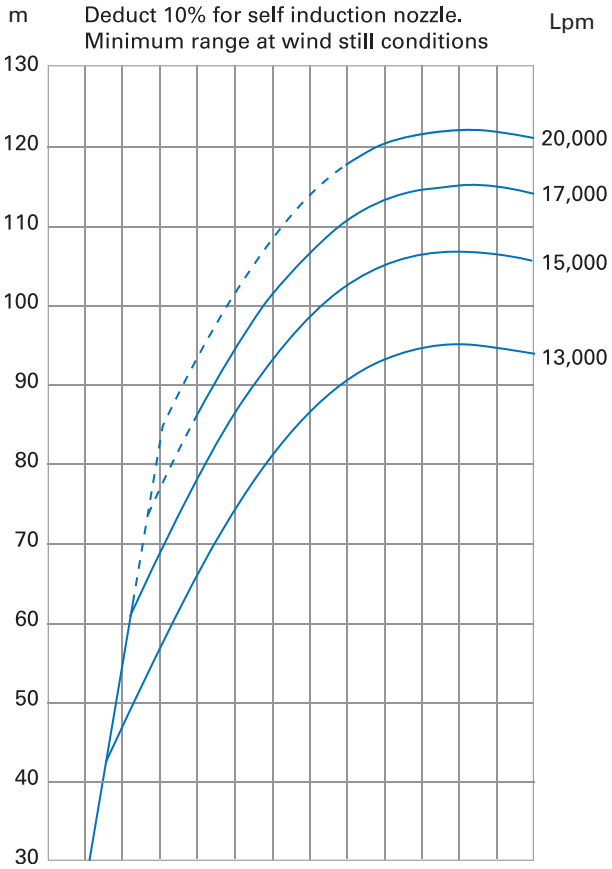


FJM-200 SG





FJM-200 Monitor - Range of Jet



Reaction force (N) = 0.233 x Q (Lpm) x √p (bar)

Note: Achieving the values listed in the range of jet graph depends on the monitor's elevation angle. For further details, see the length-height relationship graph.

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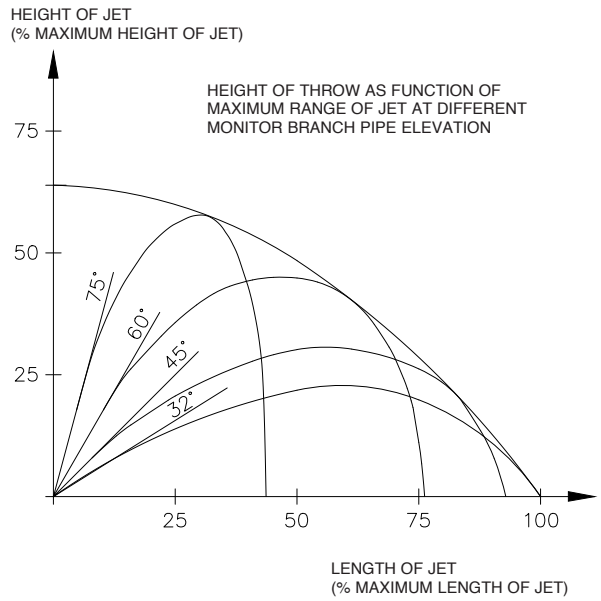
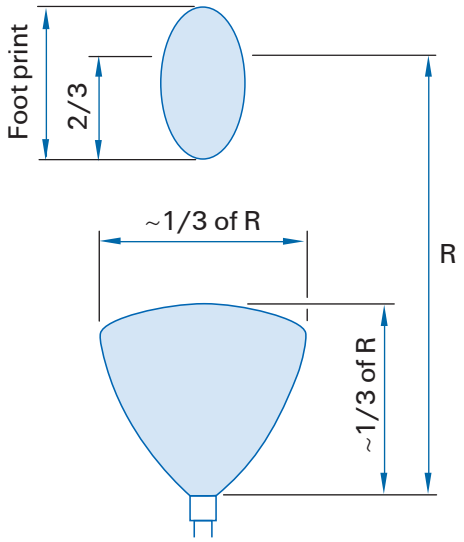
Length - Height Relationship



FJM Monitors - Average Fog Pattern in Still Air



Reaction force (N) = 0.233 x Q (Lpm) x √p (bar)

Performance Data

FJM series standard	**80**	**100**	**150**	**200**
Water capacity	Max. 3,700 Lpm Min. 500 Lpm	Max. 6,000 Lpm Min. 1,000 Lpm	Max. 11,700 Lpm Min. 3,000 Lpm	Max. 20,000 Lpm Min. 8,000 Lpm
Design pressure	4-16 bar optimum 10-12 bar	4-16 bar optimum 10-12 bar	4-16 bar optimum 10-12 bar	4-13 bar optimum 10-12 bar
Rotation	360°	360°	360°	360°
Elevation	-60° / +90°	-60° / +90°	-60° / +70°	-60° / +70°
Connection flange	Stud bolt	Stud bolt	Open hole	Open hole
Weight	14 kg	22 kg	57 kg	90 kg
FJM series built-in inductor	**80**	**100**	**150**	**200**
Water capacity	Max. 3,700 Lpm Min. 500 Lpm	Max. 6,000 Lpm Min. 1,000 Lpm	Max. 11,700 Lpm Min. 3,000 Lpm	Max. 20,000 Lpm Min. 8,000 Lpm
Design pressure	4-16 bar optimum 10-12 bar	4-16 bar optimum 10-12 bar	4-16 bar optimum 10-12 bar	4-13 bar optimum 10-12 bar
Foam capacity	170 Lpm	320 Lpm	600 Lpm	600 Lpm
Elevation	-45° / +90°	-45° / +90°	-45° / +70°	-45° / +70°
Suction connection	1 1/4 in. BSP male	2 in. BSP male	2 in. BSP male	2 in. BSP male
Weight	15 kg	24 kg	60 kg	93 kg