

Product name	FJM MAN
Description	Manual Fog/Jet Monitor
Manufacturer	SKUM
Revision	1.0/2024



ASK ABOUT THE PRODUCT

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 PN16, 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

Certificates, Listings and Approvals

- National Assessment and Verification of Constancy of Performance CNBOP-PIB No 063-UWB-0033 (FJM-80; FJM-100) (PN-EN 13565-1:2019-09)
- National Assessment and Verification of Constancy of Performance CNBOP-PIB No 063-UWB-0243 (FJM-150) (PN-EN 13565-1:2019-09)
- Det Norske Veritas (DNV)
- Bureau Veritas (BV)
- Russian Maritime Register of Shipping (RMRS)



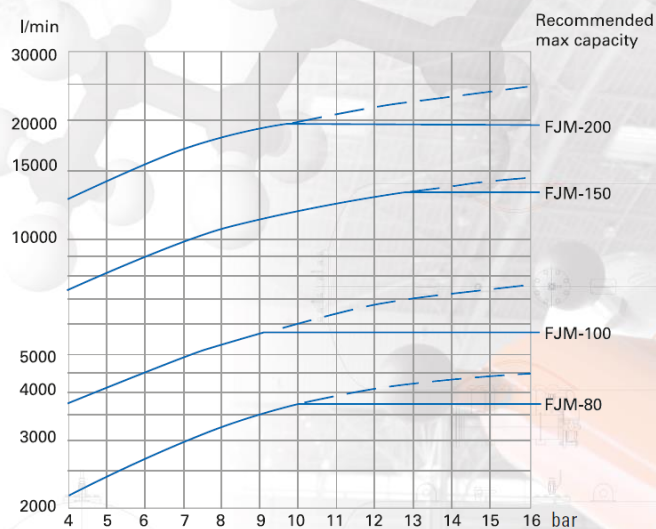
Ordering Information

Please specify the following:

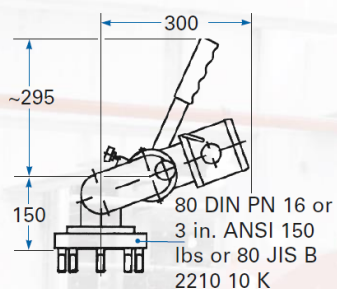
1. Part number
2. Type
3. Flange type
4. Capacity: flow and pressure
5. Foam induction (S-version)

Part No	Ordering Details - 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" 3m
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", 3m
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", 3m
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", 3m

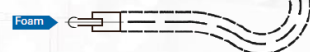
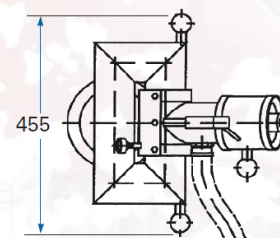
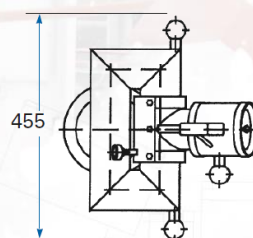
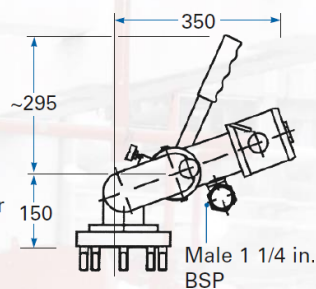
FJM Monitors – Capacity Ranges



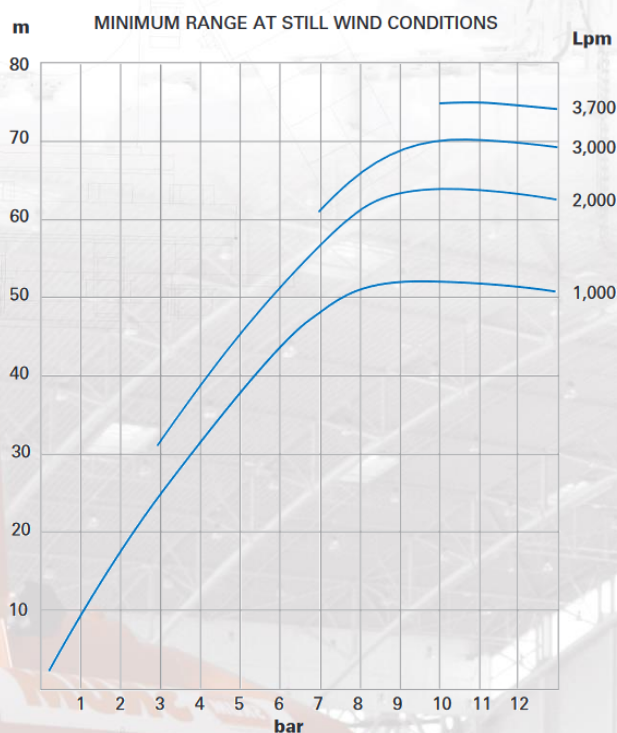
FJM-80



FJM-80 S

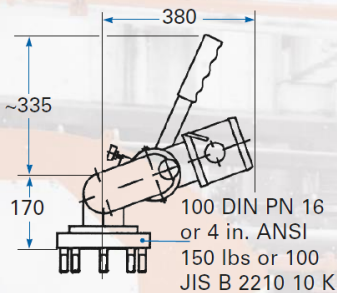


FJM-80 Monitor – Range of Jet

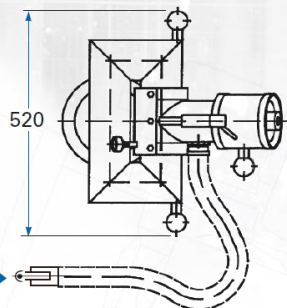
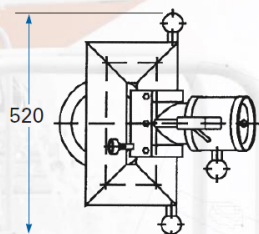
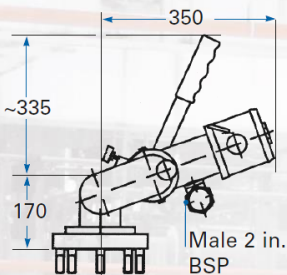


- Notes:**
1. Reaction force (N) = 0.233 x Q (Lpm) x $\sqrt{p}$ (bar)
 2. Deduct 10% for self-induction nozzles.
 3. Achieving the values listed in the range of jet graph depends on the monitor's elevation angle. For further details, see the length-height relationship graph.

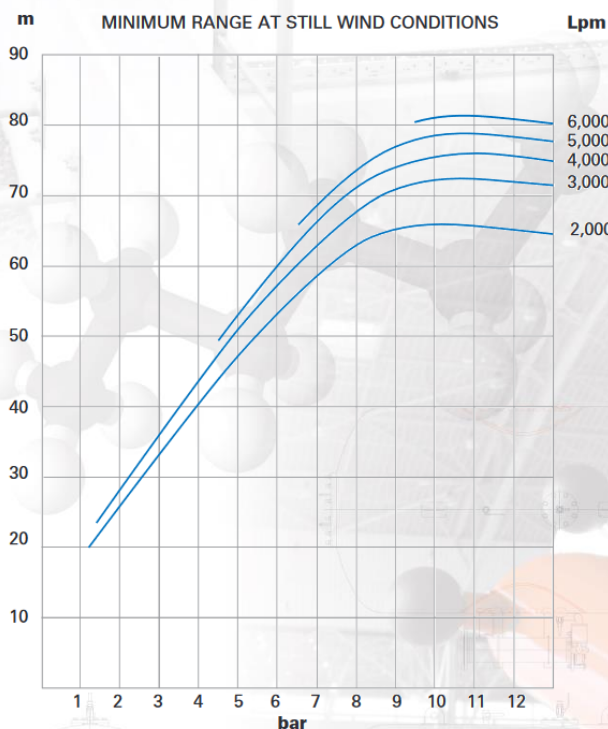
FJM-100



FJM-100 S

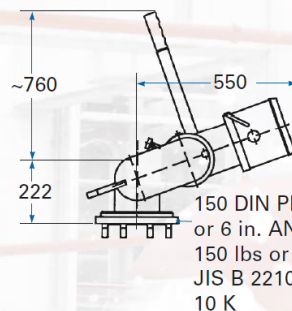


FJM-100 Monitor – Range of Jet

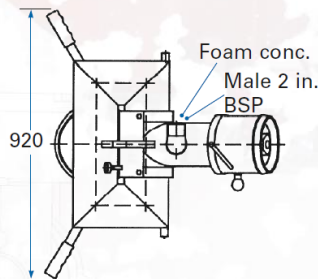
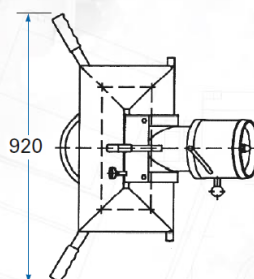
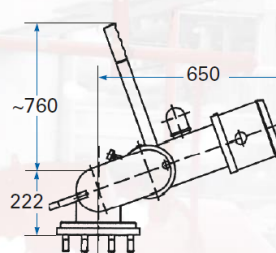


- Notes:**
1. Reaction force (N) = $0.233 \times Q \text{ (Lpm)} \times \sqrt{p \text{ (bar)}}$
 2. Deduct 10% for self-induction nozzles.
 3. Achieving the values listed in the range of jet graph depends on the monitor's elevation angle. For further details, see the length-height relationship graph.

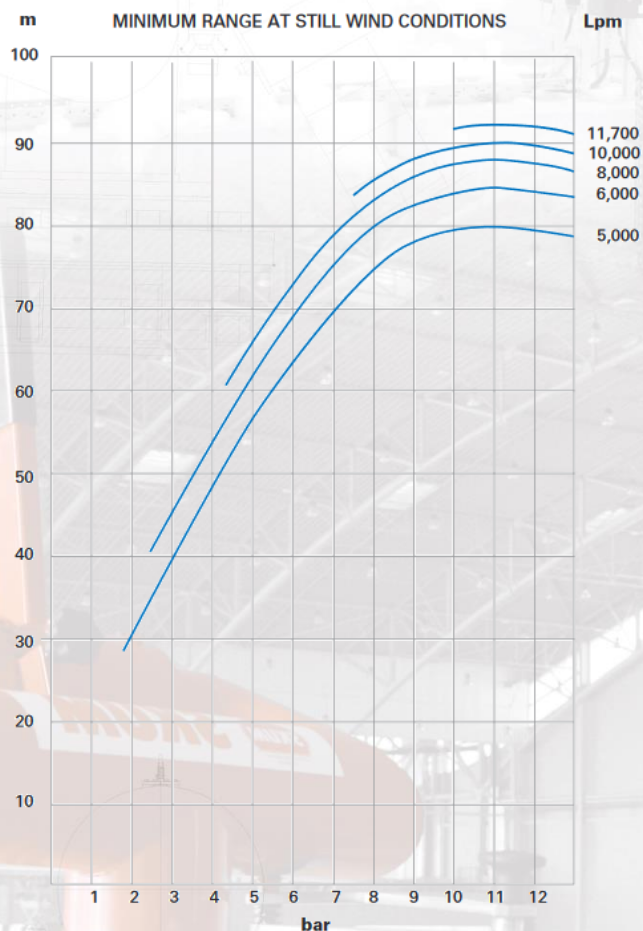
FJM-150



FJM-150 S

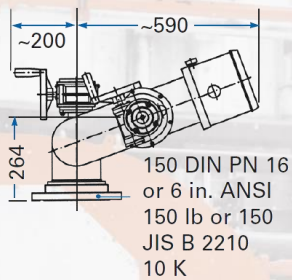


FJM-150 Monitor – Range of Jet

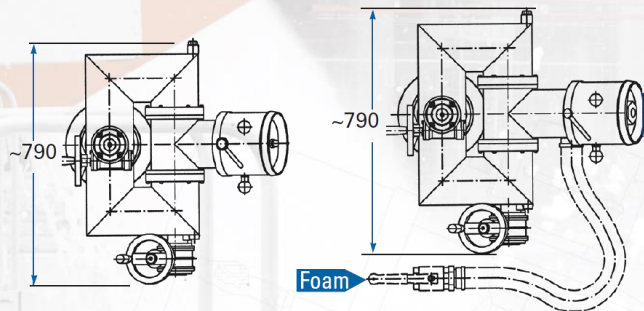
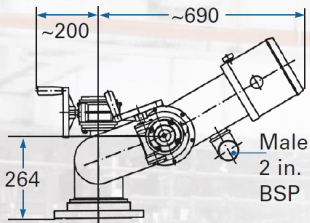


- Notes:**
1. Reaction force (N) = $0.233 \times Q \text{ (Lpm)} \times \sqrt{p \text{ (bar)}}$
 2. Deduct 10% for self-induction nozzles.
 3. Achieving the values listed in the range of jet graph depends on the monitor's elevation angle. For further details, see the length-height relationship graph.

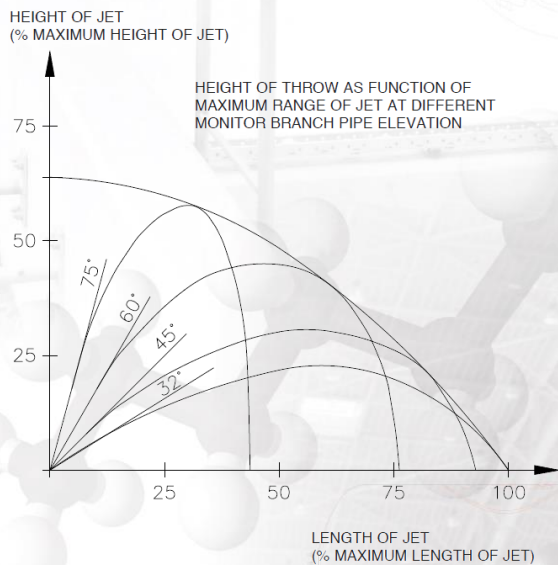
FJM 150 G



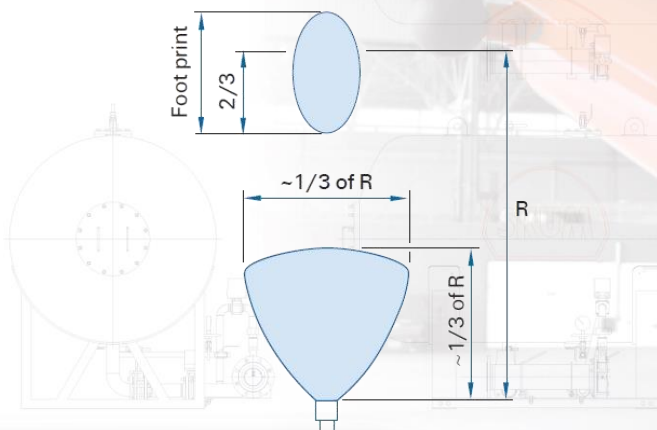
FJM 150 SG



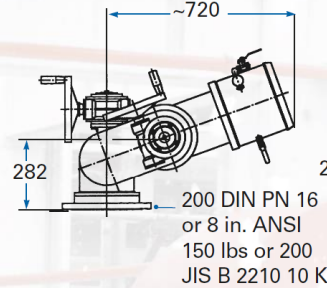
Length – Height Relationship



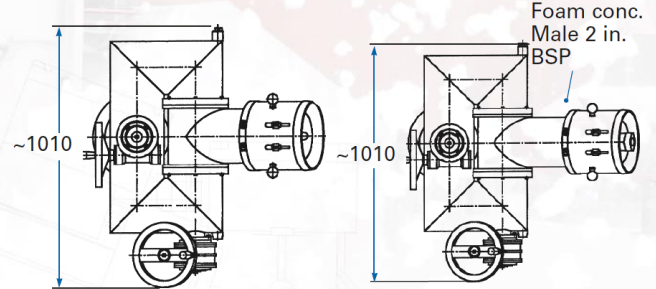
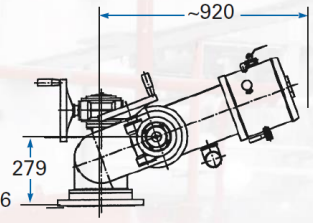
FJM Monitors - Average Fog Pattern in Still Air



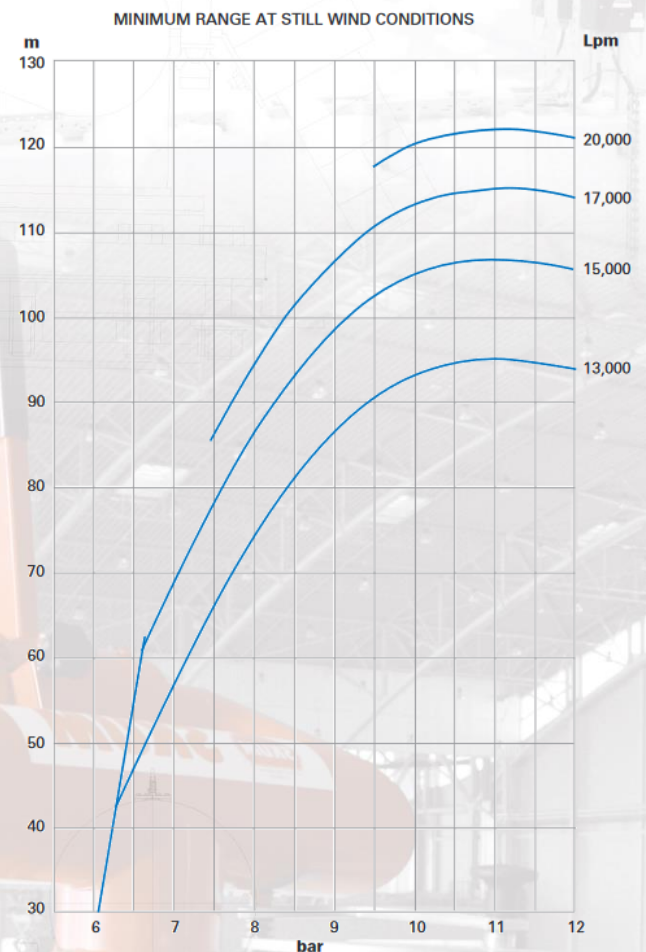
FJM 200 G



FJM 200 SG



FJM-200 Monitor – Range of Jet



- Notes:**
1. Reaction force (N) = 0.233 x Q (Lpm) x $\sqrt{p}$ (bar)
 2. Deduct 10% for self-induction nozzles.
 3. 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.

Performance Data

FJM series standard	80	100	150	200
Water capacity [Lpm]	500 - 3700	1000 - 6000	3000 - 11700	8000 - 20000
Design pressure	4 - 16 bar	4 - 16 bar	4 - 16 bar	4 - 13 bar
Optimum pressure	10 - 12 bar	10 - 12 bar	10 - 12 bar	10 - 12 bar
Rotation	360°			
Elevation	-60° / +90°		-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 [Lpm]	500 - 3700	1000 - 6000	3000 - 11700	8000 - 20000
Design pressure	4 - 16 bar	4 - 16 bar	4 - 16 bar	4 - 13 bar
Optimum pressure	10 - 12 bar	10 - 12 bar	10 - 12 bar	10 - 12 bar
Elevation	-45° / +90°	-45° / +90°	-45° / +70°	-45° / +70°
Foam capacity	170 l/min	320 l/min	600 l/min	600 l/min
Suction connection	1 ¼" BSP	2" BSP	2" BSP	2" BSP
Weight	15 kg	24 kg	60 kg	93 kg

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