

Fog/Jet Monitor - Oscillating FJM-WTO

(replaces datasheets 1011/119; 120)

General description

A range of manually operated fog/jet, water/foam monitors with exceptional flow characteristics, optimising throw range with delivery of water or foam in jet form or as a spray pattern. The FJM 80 WTO, 100 WTO and 150 WTO units are self-oscillating by internal water-driven turbines and have a low relative weight due to the unique design and use of stainless steel in the construction of each unit.

Application description

FJM WTO units are intended for fixed mounting, enabling effective application of the wide flow range and optimised jet range and spray patterns. The loose flange allows for easy mounting and adjustment for oscillating area sweep.

'S' models

The 'S' model comes complete with built in foam induction. For data on 'S' models, please refer to Datasheet 1011/171.

Product features

- Wide flow range
- Adjustable flow
- Compact balanced design
- Low weight
- Easily manoeuvrable due to low friction bearings
- Long throw length
- Adjustable stream pattern
- Corrosion resistant construction
- Manual override
- Slip on inlet connection flange for direction adjustment

Connections

- Foam/water inlet: flanged according to DIN PN 16 or ANSI 150 lbs

Optional Components

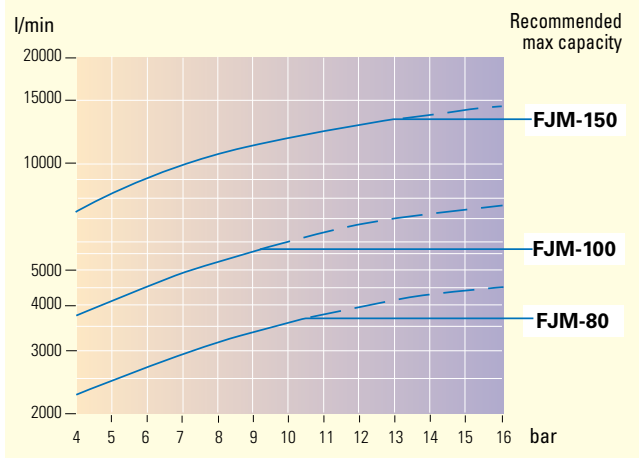
- Built-in inductor available
- Compact balanced design
- Suction hose and valve



Listings or approvals

- Classification societies; DNV; Lloyd's
- Factory Mutual approval for: FJM-80 WTO

FJM Monitors - Capacity Ranges



Technical Data

FJM-WTO Standard	80	100	150
Water capacity at 10 bar	3,700 l/min	6,000 l/min	11,700 l/min
Design pressure	16 bar	16 bar	16 bar
Rotation - oscillation	30, 50, 70, 100°	30, 50, 70, 100°	30, 50, 70, 100°
Rotation - manual	360°	360°	360°
Elevation - manual	-60° / +90°	-60° / +90°	-60° / +90°
Weight	25 kgs	32 kgs	67 kgs
Connection: Water	80 DIN PN 16 or 3" ANSI 150 lbs	100 DIN PN 16 or 4" ANSI 150 lbs	150 DIN PN 16 or 6" ANSI 150 lbs
Material:	Body Flange Nozzle	Stainless steel Galvanised steel Bronze	

$$\text{Reaction force (N)} = 0.233 \times Q \text{ (l/min)} \times \sqrt{p \text{ (bar)}}$$



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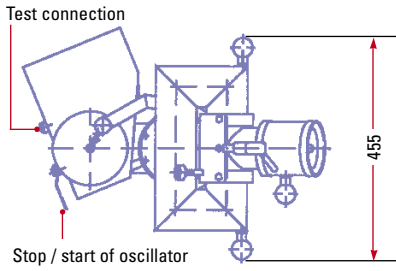
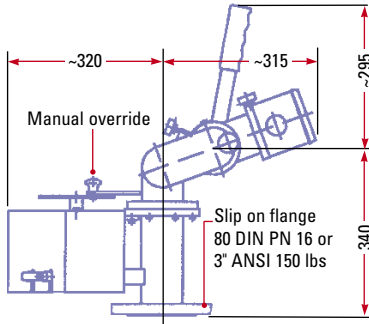
PO Box 2149, Mansfield 4122 Australia
Unit 4, 44 Devlan Street, Mansfield, Qld 4122
Ph: +61 7 3349 7817
Fax: +61 7 3219 4182
Email: sales@deltafire.com.au
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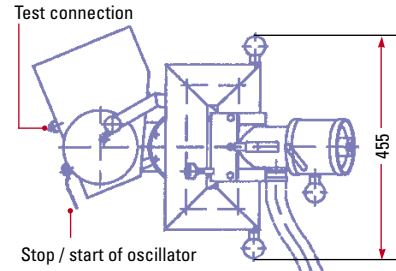
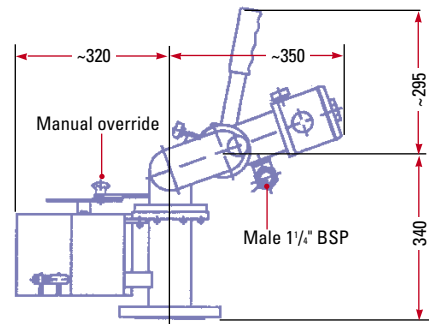
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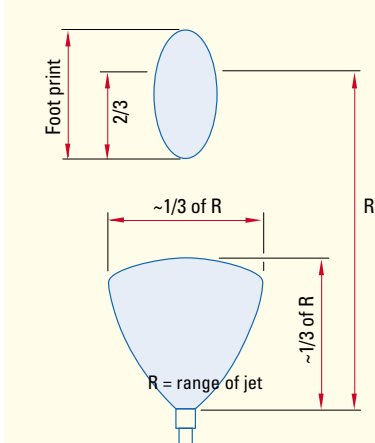
FJM-80 WTO



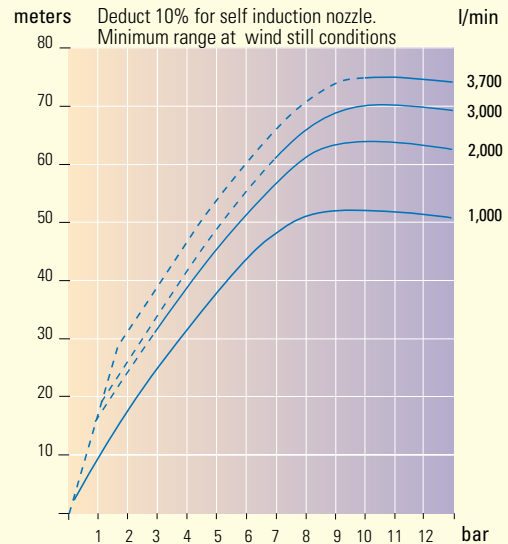
FJM-80 WTO S



FJM Monitors - Average Fog Pattern (in still air)



FJM-80 Monitor - Range of Jet



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Unit 4, 44 Devlan Street, Mansfield, Qld 4122
Ph: +61 7 3349 7817
Fax: +61 7 3219 4182
Email: sales@deltafire.com.au
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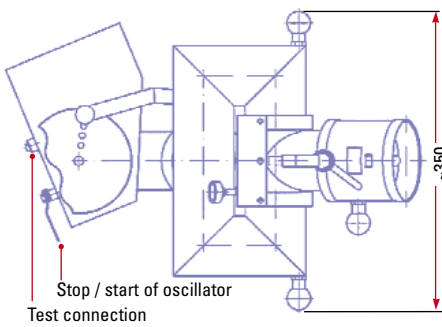
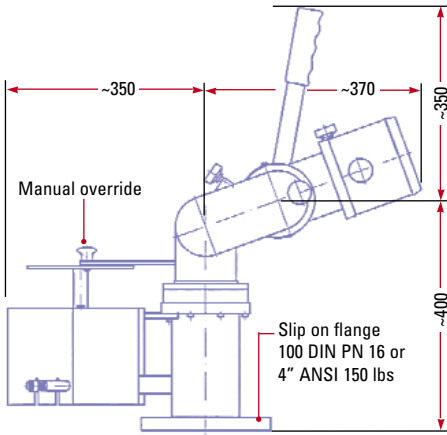
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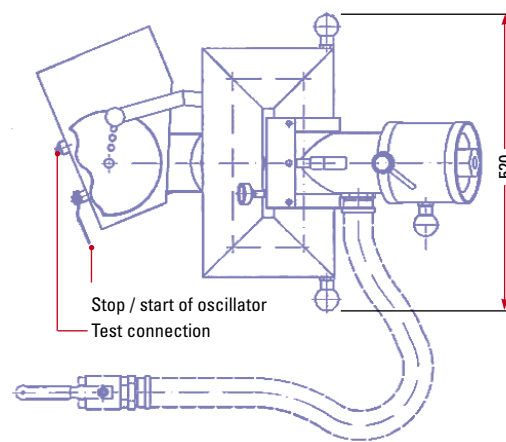
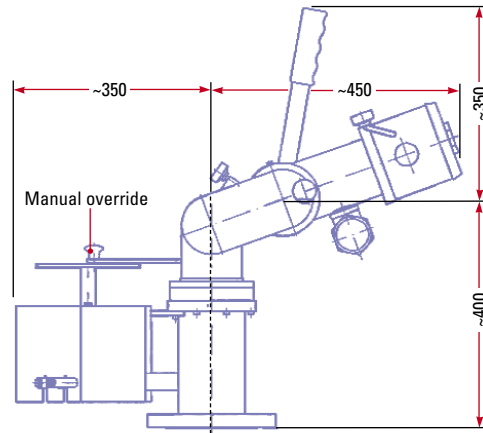
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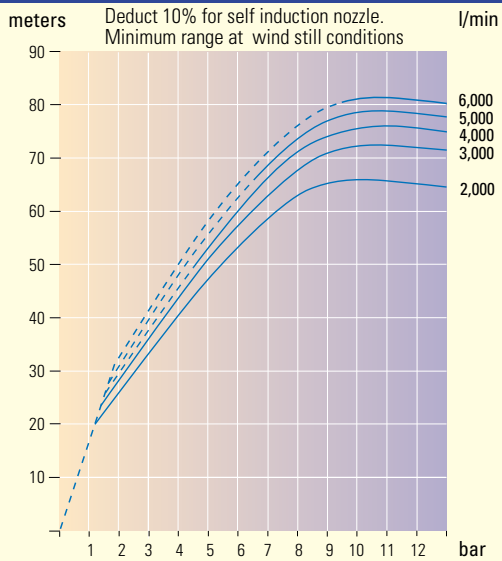
FJM-100 WTO



FJM-100 WTO S



FJM-100 Monitor - Range of Jet



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 Unit 4, 44 Devlan Street, Mansfield, Qld 4122
 Ph: +61 7 3349 7817
 Fax: +61 7 3219 4182
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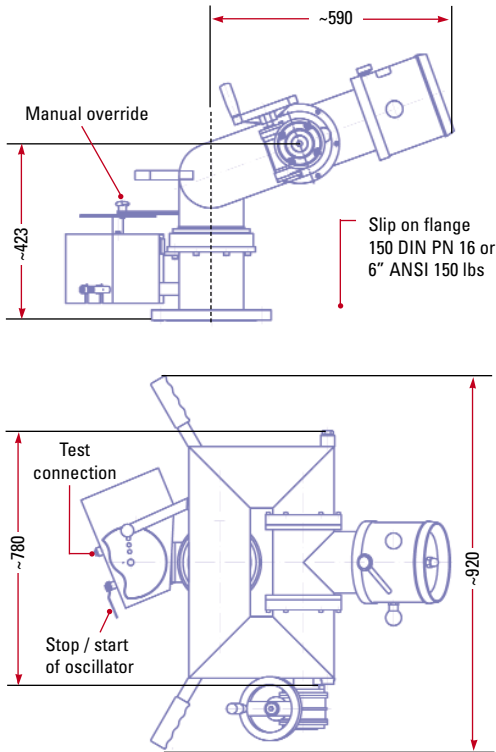
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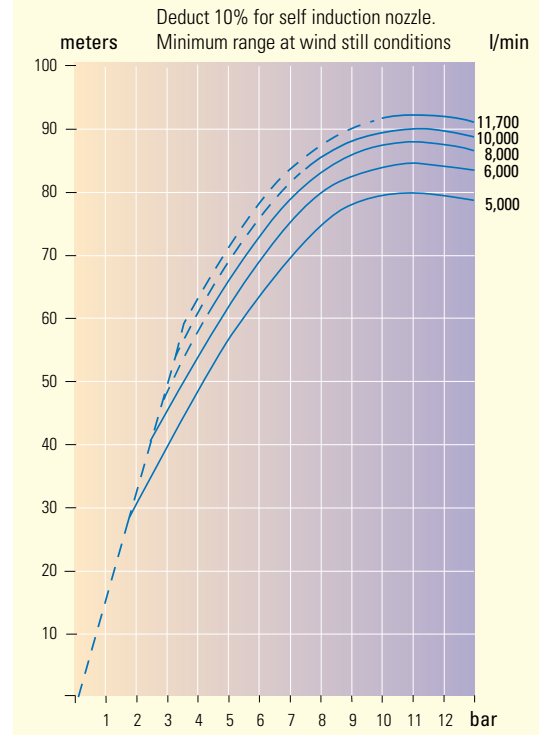
Datasheet 1011/172
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(replaces datasheets 1011/119; 120)

FJM-150 WTO



FJM-150 Monitor - Range of Jet



Order information - please specify:

1. Size
2. Flange connection
3. Capacity
4. Foam induction rate ('S' model only)



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