

## FJM-H Hydraulic Fog/Jet Monitor

### Description

The SKUM FJM-H Hydraulic Fog/Jet Monitor is a powerful fire suppression monitor with exceptional performance characteristics. The FJM-H monitor has a variable stream pattern and throw range that can be adjusted to meet different site requirements.

The monitor is equipped with remotely managed hydraulic elevation and rotation controls. The FJM-H range has manual or remotely operated (MVH) fog/jet pattern controls with a hydraulic power pack designed to customer requirements.

### Application

The SKUM FJM-H Hydraulic Fog/Jet Monitor is intended for fixed mounting to deliver water and foam. The monitor can deliver water or foam from a solid jet to a fog pattern through remote control operation.

### Features

- Hydraulic remote control
- Adjustable stream pattern and throw range
- Manufactured in bronze and stainless steel
- High quality and reliability
- Built-in manual override
- Compact and balanced design for reliable performance
- Low friction bearing design

### Connections

- The foam and water inlet is flanged according to DIN PN16, ANSI 150 lb, and JIS PN10.

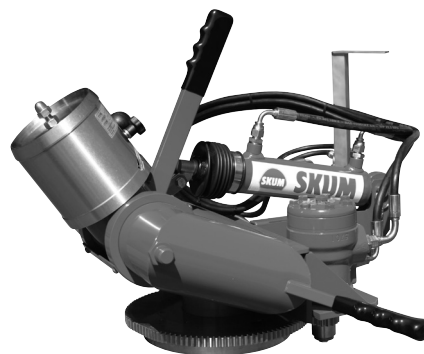
### Optional components

SKUM supply the following components on request:

- Control system including a hydraulic pack and operating panels. Custom solutions are available on request.
- Built-in foam induction for all models
- Suction hoses and valves

### Approvals and listings

- Det Norske Veritas (DNV)
- Bureau Veritas (BV)
- Russian Maritime Register of Shipping (RMRS)



E002268

### Ordering information

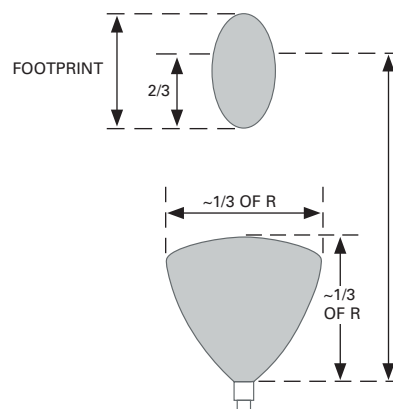
When ordering the SKUM FJM-H Hydraulic Fog/Jet Monitor, specify the following information:

- Part number (see Table 1)
- Type
- Connection type
- Flow and pressure capacity
- Foam induction (S-version)

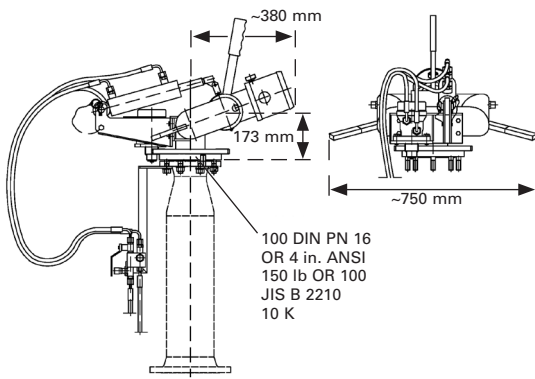
**Table 1: Part numbers**

Part No.	Description
161610818	FJM-100 H DIN and ANSI
161610811	FJM-100 H DIN and JIS
161610825	FJM-100 H MVH DIN and ANSI
161610832	FJM-100 H MVH DIN and JIS
161615809	FJM-150 H DIN, ANSI and JIS
161615813	FJM-150 H MVH DIN, ANSI, and JIS

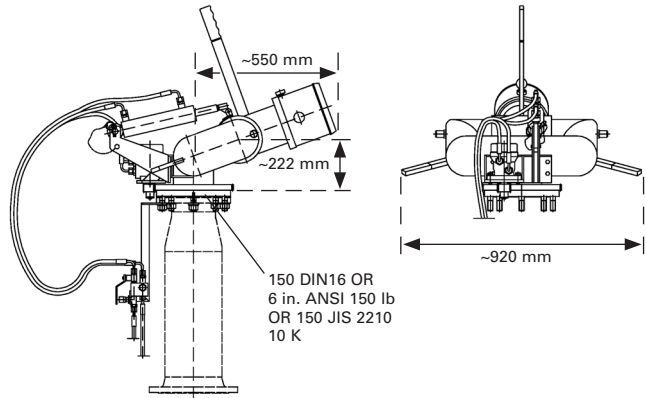
### Average fog pattern in still air



## FJM-100 H dimensions

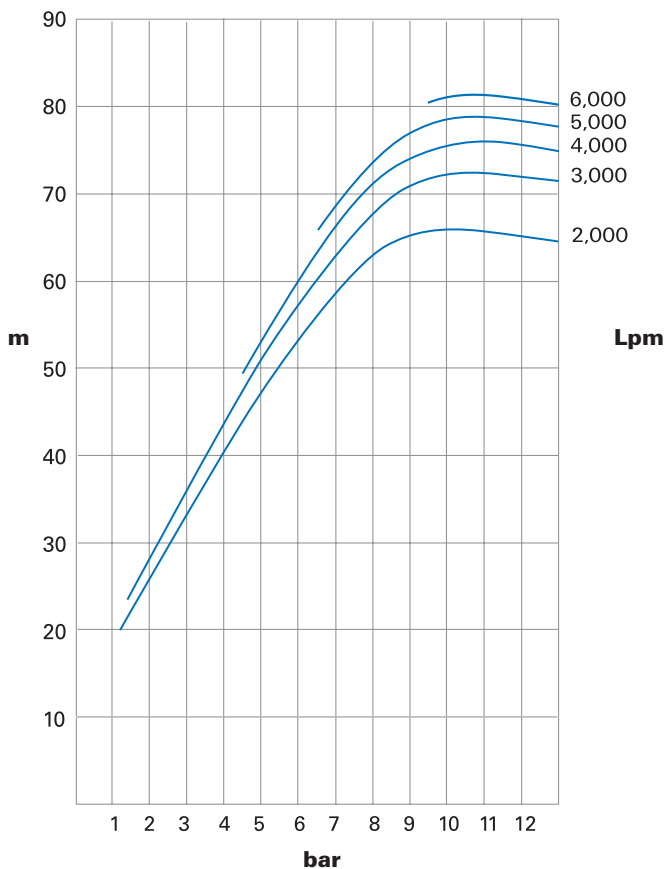


## FJM-150 H dimensions



## FJM-100 H range of jet

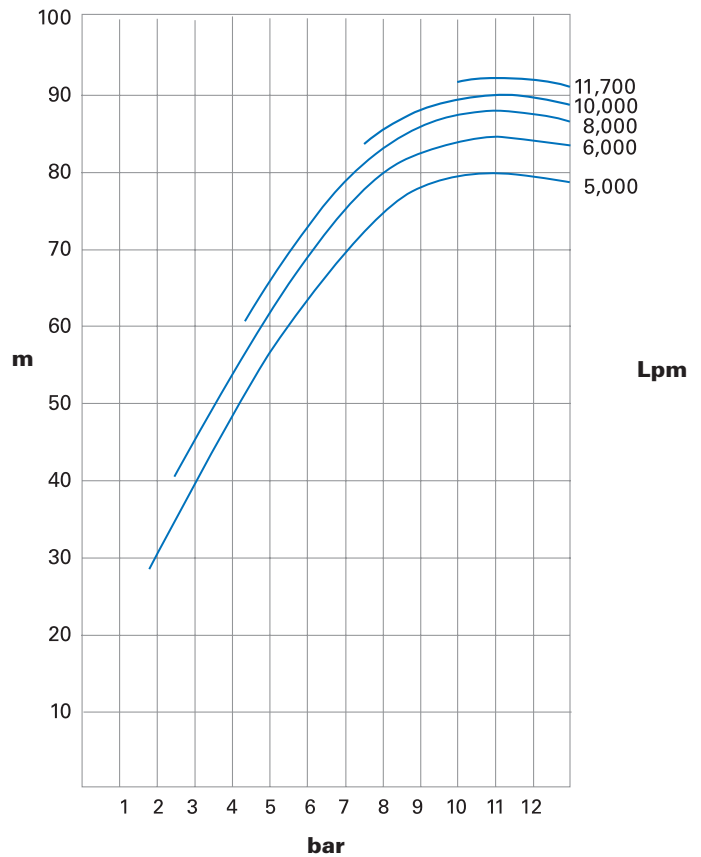
The following graph illustrates the FJM-100 H minimum range of jet at still wind conditions. Deduct 10% for self-induction nozzles.



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

## FJM-150 H range of jet

The following graph illustrates the FJM-150 H minimum range of jet at still wind conditions. Deduct 10% for self-induction nozzles.



## Performance data

**Table 2: Performance data**

<b>Monitor size:</b>	<b>FJM-100 H</b>	<b>FJM-150 H</b>
<b>Water capacity:</b>	Minimum 1,000 Lpm to maximum 6,000 Lpm	Minimum 3,000 Lpm to maximum 11,700 Lpm
<b>Design pressure:</b>	4 bar to 16 bar (10 bar to 12 bar optimum)	4 bar to 16 bar (10 bar to 12 bar optimum)
<b>Oil pressure:</b>	60 bar ( $\pm 10$ bar)	60 bar ( $\pm 10$ bar)
<b>Oil flow:</b>	Approximately 2 Lpm	Approximately 2 Lpm
<b>Rotation velocity:</b>	Approximately 1 Lpm	Approximately 1 Lpm
<b>Rotation:</b>	$\pm 165^\circ$	$\pm 165^\circ$
<b>Elevation:</b>	$-45^\circ$ to $+60^\circ$	$-45^\circ$ to $+60^\circ$
<b>Weight:</b>	60 kg	80 kg

**Note:** The nozzle can be easily adjusted on-site for any specified capacity and pressure within its working range and according to a separate adjustment table.

Safety Data Sheets (SDS) are available at [www.skum.com](http://www.skum.com)

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

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