

Distributor Name:	Contact:
Client Name:	
Plant Location:	Ship to Country:

System Application

- Fire Suppression
- Vapor Mitigation

System Area of Classification

- ATEX/IECEX Zone 1
- ATEX/IECEX Zone 2
- Class 1, Zone 1/CSA Class 1
- Class 1, Div.2 /CSA Class 1

Style 3688 Monitor



_____ **Number of Monitors**

MONITOR SPECIFICATIONS

Material	Cast brass construction
Max. Flow	2000 gpm (7570 lpm)
Inlet	4" 150# flange or DN 100 Combined
Outlet	5/16 - 18, 4 Bolt Flange on 5-1/2" Bolt Circle
Waterway	4" (102mm) diameter internal waterway with turning vanes
Friction Loss	10 psi at 2000gpm (0.69 bar at 7600lpm)
Rotation	360° horizontal range of travel
Elevation	140°, +90° above horizontal to -50° below horizontal.
Motors	24V DC motors with brass IP66/NEMA4 housings.
Operating Temperature	- 40°F to +140°F (-40°C to + 60°C)
Operating Pressure	200 psi max. (14 bar max.)
Dimensions	21 1/4" (565 mm) high, 18 15/16" Actuator Swing Radius
Weight	195 lbs. (88.5 kg)
Max. Reaction	1500 Lbf. (6670 N) Force
Moment At Base Inlet	2156 Lb.-ft. (2923 N-m)

Style 5188 & 5189 Nozzle

____ **Number of Nozzles**



Style 5188 – Automatic Baffle Nozzle

The Style 5188 nozzles are Pressure Balanced Baffle (Automatic) Style 5188 designed to flow 500 – 2000gpm at an approximate monitor inlet surface pressure of 100 psi. All nozzles have manual override.

Style 5189 – Fixed Baffle Nozzle

The Style 5189 nozzles are a Fixed Orifice (Constant Flow) for flows from 500 to 2000gpm at an approximate monitor inlet surface pressure of 100 psi. All nozzles have manual override.

NOZZLE SPECIFICATIONS	
Material	Cast brass construction
Max. Flow	500-2000 gpm (1892 – 7570 lpm)
Operating Pressure	150 Max Pressure (10.5 bar)
Inlet	4" bolt flange
Reach	320 ft @ 2000gpm (91m @ 7570lpm) 30° Elevation Angle
Waterway	4" (102mm)
Nozzle Pattern	Straight stream to full fog (Wide fog 140°)

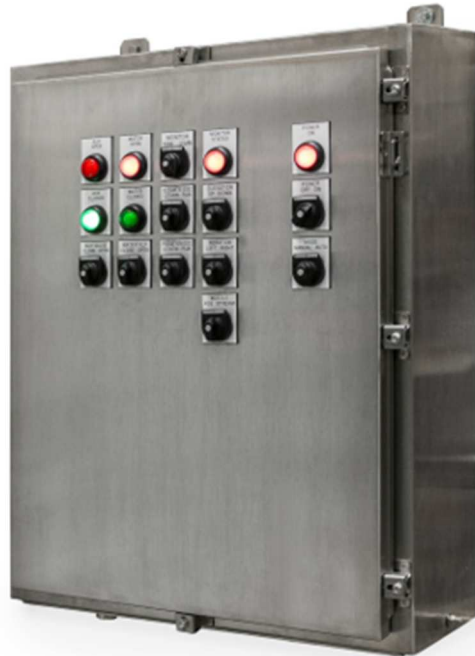
Specify Nozzle Style:

<input type="checkbox"/> 5188	<input type="checkbox"/> 5189
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Flow for Fixed Baffle Nozzles:

GPM	LPM
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Monitor Interface Control Panel (MICP) – (1) MICP per Style 3688 Monitor



The MICP increased safety IP66 316SS Enclosure is certified for the following:

- IECEx – ATEX – Class I, Div.2 – CSA Zone 2

MICP Incoming Voltage Supply

120VAC Supply

220VAC Supply
(Line/Neutral)

220VAC Supply
(Line/Line)

**Local Control Devices on MICP
(Standard)**

Power OFF/ON Selector Switch
Power ON Indicator

**Optional Local Control
Devices on MICP
required for Style 3688
Monitor.**

Monitor Control
Elevation Up/Down
Rotation Left/Right
Nozzle Fog/Stream
Monitor Park/Learn
Monitor Fault Indicator

Monitor Oscillation
Horizontal Oscillation
Vertical Oscillation
Oscillation Status Indication

Mode Function
Remote/Local Switch

Water Valve Control
Water Valve Open/Close
Water Open Indicator
Water Close Indicator

Foam Valve Control
Foam Valve Open/Close
Foam Open Indicator
Foam Close Indicator

Stand Alone Optional Operator Control Devices

Option #1- Remote Operator Panel

Area Classification

- General Purpose
- Class I, Div.2 (Suitable for location)
- ATEX (Zone 1 & 2)



**(EXAMPLE SINGLE STATION)
ATEX**

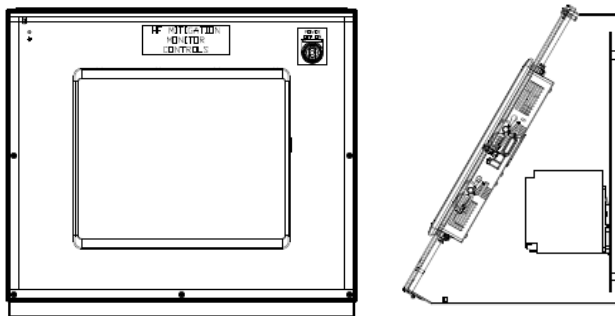
- Number of Operator Stations on enclosure (1-10)
- Number of Remote Operator Panels

Option #2- HMI Panel

The HMI consists of a 15" color HMI/PLC, 24VDC power supply, and a managed switch for fiber optic connections. A 120VAC circuit breaker for overload protection and lighted power switch is also provided.

The HMI shall be configured to operate multiple monitors and can display the platform overlay. Any monitor can be selected for control from the overview display. Monitor movements include up, down, left, right, fog, stream, monitor rotation oscillation pause/set, monitor elevation oscillation pause/set, and park. Water valve open/close control will also be accessible from the overview display. If valve limit switches are wired into the MICP then valve position shall also be indicated (Open/Close).

Located in Control Room – Non-Hazardous Area



(EXAMPLE HMI CONSOLE)

- Number of HMI Panels

Option #3 - Wireless Control System

Wireless Receiver *

*(1) Wireless Receiver per MICP

Area Classification

- General Purpose
- Class 1-Div.2
- ATEX



(EXAMPLE HAZARDOUS RATED ENCLOSURE)

Wireless Transmitter

Number of Transmitters required

Standard Monitor Control

- Monitor 4 Position Joystick Up/Down/Left/Right
- Nozzle Fog/Stream toggle
- Monitor Park/Learn toggle
- Water Valve Open/Close toggle
- Rotation Oscillation Set/Pause toggle



(EXAMPLE TRANSMITTER)

Optional

Rotary Switch for monitor selection*

Number of Monitors per Rotary Switch
*- Only (1) Monitor can be active at a time.

Auxiliary/Foam Valve Open/Close Toggle

Antenna Coax Cable Extension 3-meter Length 5-meter Length

A battery charger and two (2) batteries are included with each transmitter.

NOTES:
