AKRON BRASS COMPANY

IDEX FIRE & SAFETY

StreamMaster™ Monitor

OVERVIEW

The StreamMaster™ Monitor is the highest performing 1000gpm firefighting monitor found worldwide. The rugged, lightweight design was engineered using advanced computer aided design and testing technology.

UL Certified, reinforcing its commitment to safety and global standards

UL CERTIFIED SAFETY US EX29618

Product Ratings

Feature	Details
Rated Flow	Up to 1000 gpm (3800 lpm)
Rotation	Continuous 360°
Elevation	+90° to -45°
Stream Performance	Cast-in turning vanes & integrated removable stream shaper
Pressure Gauge	Inbuilt pressure guage
Manual Control	'T' handle for precise, easy positioning
Design	Compact, efficient; requires minimum mounting space

Nozzle Options

Style	Details
487 GP	Smooth Bore Tip: 1 1/4", 1 3/8", 1 1/2"
4445	Fully adjustable fog
5147	Adjustable flow nozzle
Foam Options	Style 4445 fog nozzle with 3621 foam tubes
4475	Akrofoam / Variable flow self-inducting foam nozzle

Physical Specifications

Style	StreamMaster™
Brand	Akron Brass
Material	Pyrolite/SS/GM
Weight (Metric) kg	7 kg /17 kg /19.5 kg
Dimensions	337 mm X 279 mm X 250 mm

StreamMaster™ Monitor

Technical Specifications

Feature	Details
Max Rated Flow	1000 gpm
Inlet	DN80 ANSI125/150 (4 holes at PCD 6in of Ø0.688in)
Waterway	Ø3.25"
Discharge Outlet	2.5" NH with built-in stream shaper element
Travel Locks	Vertical & horizontal locks with round manual T knobs
Control	'T' handle tiller bar for vertical & horizontal adjustment
Design	Enhanced, compact design for less tip weight and lower operating force
Elbows	Cast-in turning vanes in all elbows reduce stress concentration and stabilize flow.
Vertical Travel	135°
Horizontal Travel	360°
Horizontal flow reach	55 m at 60° (with attachments)

Product Testing

Rugged and precise
Passed 22+ drop test from elevation. All ratings are within ±5% after testing

Top notch on safety
Passed 62 bar of hydrotest for 8+ minutes

Compatibility
Compatible for foam applications

Non corrosive for each environment
7+ salt spray test passed at different environment

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IDEX India Pvt. Ltd.
Survey No. 256, GIDC Manjusar, Savli,
Near Bombardier Circle, Vadodara, Gujarat 391776

Product Ratings

Maximum Flow: 1000 gpm (3800 lpm)

Maximum Pressure: 225 psi (1400 kpa)

Product Warnings

The reaction force when flowing at the maximum pressure and flow listed above is 750 pounds. The centre of the water way is 10 3/16 inches from the bottom of the inlet flange. Ensure these values plus an appropriate safety factor are used to determine a proper support structure. **ASTM A307 grade B studs required for flange mounting.**

INSUFFICIENT STRUCTURAL SUPPORT CAN LEAD TO FAILURE, WHICH HAS POTENTIAL TO CAUSE AN INJURY. THEREFORE, ADDITIONAL STRUCTURAL SUPPORT AT THE INLET FLANGE MAY BE REQUIRED. NO SUPPORT STRUCTURE IS TO BE ADDED DIRECTLY TO THE MONITOR. (Contact Akron Brass Customer Service for assistance.)

Charge the unit slowly. Rapid charging may cause a pressure surge which has the potential to cause an injury or damage the monitor.

Aim the unit in a safe direction before pumping water through it.

DO NOT exceed the maximum pressure or flow ratings of the monitor. Exceeding these ratings has the potential to cause an injury or damage the monitor.

DO NOT install shutoffs on the outlet of the monitor. Shutoffs increase the potential for pressure surges due to water hammer, which have the potential to cause injury or damage the monitor.

Drain the monitor after use to prevent “freeze damage.”
Ensure the thread on the nozzle swivel matches the thread on the monitor outlet. Do not over tighten the nozzle onto the unit.

Monitor Attachment

The monitor is to be mounted on the waterway with four M16 or equivalent studs length of 100mm at least and nuts of grade five minimum and suitable washers when mounting to a DIN 80 flange. When mounting to a three inch flange, only four bolts, nuts and washers are required.

Operating Instructions

The tiller bar and the upper and lower brake knobs are used to control the monitor.

LOWER BRAKE KNOB

Horizontal adjustment

Turn counterclockwise to unlock

Turn clockwise to lock

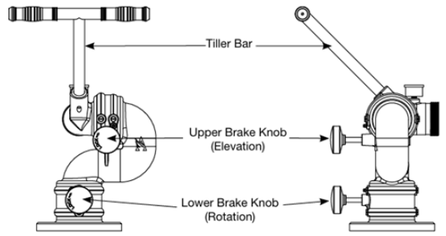
UPPER BRAKE KNOB

Vertical adjustment

Turn counterclockwise to unlock

Turn clockwise to lock

Figure 1



Cautions

Your monitor and nozzle should be inspected prior to and after each use to ensure it is in good operating condition. Periodically, an unanticipated incident occurs where the unit is misused in a manner that is inconsistent with standard operating practices.

A partial list of potential misuses includes:

- Operating above maximum rated pressure or flow.
- Not draining and allowing water to freeze in the unit.
- Prolonged exposure to temperatures above 140 degrees F, or below -40 degrees F.
- Operating in a Highly corrosive environment.
- Other misuse that may be unique to your specific environment

Also, there are many “tell tale” signs that indicate repair is in order, such as:

- A brake knob that is inoperable or difficult to operate.
- Excessive wear.
- Poor discharge performance.
- Water leaks from any joints or component.

If any of the above situations are encountered, the monitor should be taken out of service, repaired and tested by a qualified technician before placing it back in service.

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Maintenance Instructions

- Periodically lubricate the grease fittings with Lubriplate Low-Temp or equivalent. Inject the lubricant until it becomes visible from the bleeder holes in the center of the swivel plugs.
- Periodically clean grit and dirt from around exterior moving parts.
- Periodically operate all functions of the monitor through its full travel.
- The brake mechanism on the horizontal and vertical travel may require periodic maintenance. To check the adjustment, rotate the brake knob counterclockwise until it stops. Turning the brake knob clockwise 1 to 1 1/2 turns should lock the monitor. If the monitor does not lock, remove the lock mechanism, inspect for wear and replace components as necessary.
- Replace the identification tag if it is worn or damaged.

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