

Forestry Multi-Purpose Monitor 300 GPM (1140 LPM)

The 3462 provides an extremely rugged durable design ideal for a multitude of applications with flows up to 300 gpm (1140 lpm). This compact monitor features a fully sealed integrated electrical control system with waterproof locking connectors for all motors, power and control connections to withstand harsh environments. The high speed motors provide proportional speed control for pinpoint stream positioning and accuracy. With a wide range of available nozzles, the 3462 is ideal for use in water, foam and CAFS applications.

Standard Features:

- CAN proportional speed joystick control
- Lightweight Pyrolite® construction, 23 lbs. (10.4 kg) without nozzle
- Integrated and sealed electronics
- Waterproof (IP 67 rated) locking connectors
- Simple “plug and play” installation
- 320° maximum rotation range with stops at +/- 90°
- 135° maximum elevation range with stops at +45° and -20°
- 12V or 24V (Must Specify)

Nozzle Options:

- Style 3293 low flow adjustable electric fog nozzle with flush 30-60-95-125 gpm (115-230-360-475 lpm)
- Style 3293 mid flow adjustable electric fog nozzle 125-175-250-300 gpm (475-660-950-1140 lpm)
- Style 3293 fixed orifice fog nozzles (must specify flow and pressure)
- Quick Attack™ foam tube attachments for Style 3293 fog nozzles
- Smooth bore tips

Additional Options:

- 2" quick disconnect
- Wireless remote control (CAN interface)
- 2" electric valve
- Flat disperse fog pattern available on all Style 3293 nozzles



Style 3462
Shown with 3293
125-300 gpm Nozzle



Style 6035
CAN Joystick



Wireless Remote
Control Available



Style 6037
CAN Wireless
Interface



“Plug and play” connectors



2" Quick-Disconnect,
Ideal for Tilt Cab Trucks

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3462	23** (10.4 kg)	13 3/16"* (335 mm)	11 9/16" (294 mm)	8 29/32" (226 mm)	2" NPT (50 mm)	1 1/2" (38 mm)	300	1140

* Base to center of outlet
** Not including nozzle



FireFox™ Multi-Purpose Monitor 500 GPM (1900 LPM)

The FireFox Electric Monitor from Akron® is a technologically advanced remote controlled monitor with flows up to 500 gpm (1900 lpm). The FireFox Monitor is designed to meet various water, foam, CAFS, and dry chemical needs. This versatile monitor can be used for wildland firefighting, mini pumpers, crash truck turrets, deicing, fixed site facilities, arena protection and many other unique applications.

3463 FireFox Electric Monitor

- 320° horizontal travel with adjustable stops at +/- 90°
- 135° vertical travel (+90° to -45°) with adjustable stops at +45° and -20°

Monitor Options: (Must specify)

- Automatic Oscillation & Stow
- Remote 2" or 2 1/2" Electric Valve
- 12 or 24 volt (Must specify)
- 2" Quick disconnect
- Position feedback - Optional

Nozzle Options:

- See page 170 for Monitor/Fog Nozzle Compatibility Chart
- Adjustable or Single Fixed Flow Baffle up to 500 gpm (1900 lpm)
- Dry Chemical Nozzle - Optional
- Foam Tubes - Optional (See page 33)
- Smooth bore tip with mini shaper

NOTE: All FireFox Fog Nozzles are available with optional flat dispersed pattern



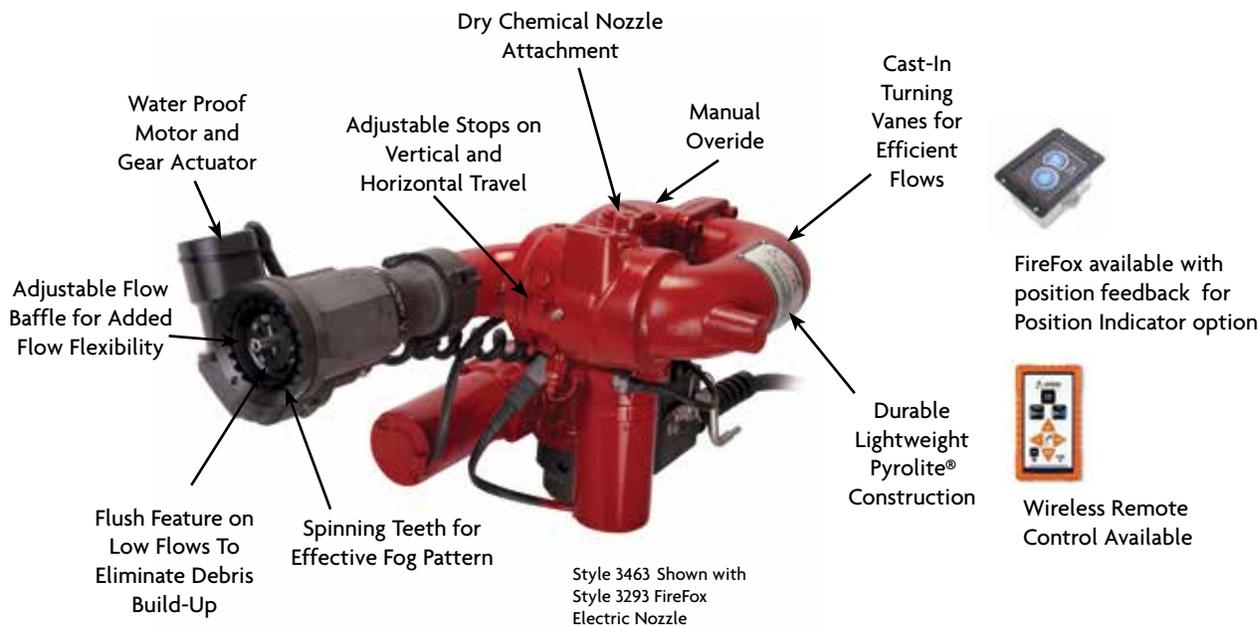
Adjustable Flows Available
See page 38 for nozzle specs

3293 Nozzle Options

Flow	GPM	30	60	95	125
		LPM	115	230	360
Medium Flow	GPM	125	175	250	350
	LPM	475	660	950	1325
High Flow	GPM	350	400	450	500
	LPM	1325	1525	1700	1900



2" Quick-Disconnect, Ideal for Tilt Cab Trucks



Style 3463 Shown with Style 3293 FireFox Electric Nozzle

Style	Weight lbs. (kg)	Stow Position			Inlet	Outlet	Flow	
		Height	Width	Depth			GPM	LPM
3463	25 (11.3 kg)*	11 3/4" (298 mm)	11" (279 mm)	11 1/2" (292 mm)	2" or 2 1/2" NPT (50 or 65 mm) 1 1/2" or 3" FL (38 or 75 mm)	1 1/2" or 2 1/2" NH (38 or 65 mm)	500	1900

* Less nozzle

Gemini™ Monitor 1000 GPM (3800 LPM)

The Gemini Monitor is of Pyrolite® construction with a compact split waterway designed with cast-in turning vanes. Providing high performance and exceptional durability.

3479 Electric Gemini Monitor

- 135° vertical travel and 348° horizontal travel, both with adjustable stops
- Manual override
- 12 or 24 volt (24 volt version CE approved - Must specify)
- Wireless remote control available
- See page 170 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3479	46* (20.8 kg)	20" (508 mm)	13 3/4" (336 mm)	10 3/16" (259 mm)	3" - 4" (75-100 mm) NPT or FL	2 1/2" (65 mm)	1000	3800

* Less nozzle



Style 3479
Shown with Style 5177
Akromatic Nozzle

Wireless Remote Control Available



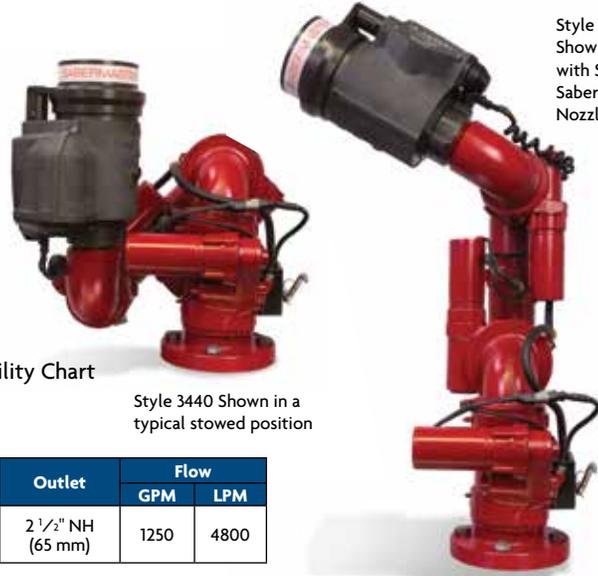


DeckMaster™ Monitor 1250 GPM (4800 LPM)

The DeckMaster Monitor is a technologically advanced, electrically controlled deck monitor with automated elevating capability. The unique design of the DeckMaster Monitor allows electric elevation and positioning 24" above the base of the flange for operation over obstructions with the push of a switch.

3440 DeckMaster Electric Monitor

- 340° horizontal rotation with adjustable stops
- Vertical travel 90° above to 45° below horizontal
- Manual override for horizontal, vertical and elevation control
- Stow position set easily by the end user
- Automatic drain for freeze protection
- Diagnostic light for trouble-shooting
- Connection for deployed indicator light
- Available in 12 or 24 volt (Must specify)
- Optional position feedback (Must specify)
- See page 170 for Monitor/Fog Nozzle Compatibility Chart



Style 3440
Shown deployed
with Style 1578
SaberMaster™
Nozzle

Style 3440 Shown in a
typical stowed position

See page 51, 172 for Electric Monitor Accessories

Style	Weight lbs. (kg)	In Stowed Position			Inlet	Outlet	Flow	
		Height	Width	Depth			GPM	LPM
3440	55 (25 kg)*	14 1/2" (368 mm)	16 3/4" (425 mm)	17" (431 mm)	3" FL (75 mm)	2 1/2" NH (65 mm)	1250	4800

* Less Nozzle



Wireless Remote Control Available

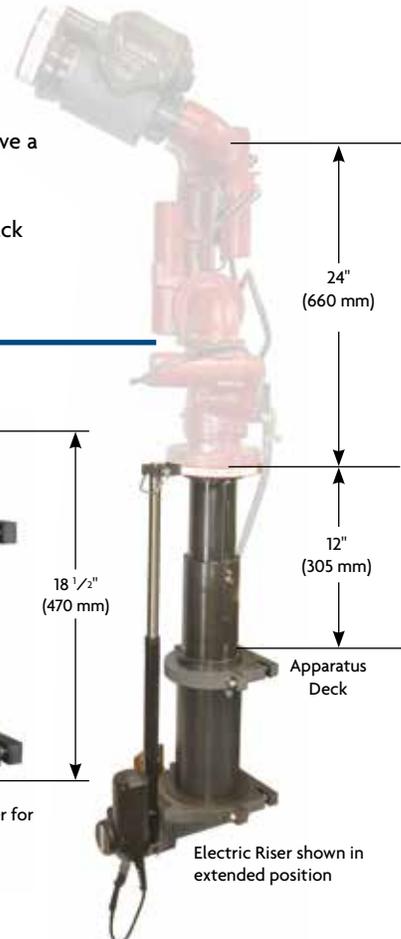


Combine with the Style 1578 SaberMaster nozzle to meet NFPA 1901 recommendations to use remote control monitors for safe deck gun operations.

Remote DeckMaster operation eliminates the need to have a firefighter on the deck to operate the monitor.



DeckMaster available with position feedback and position indicator option



Electric Riser

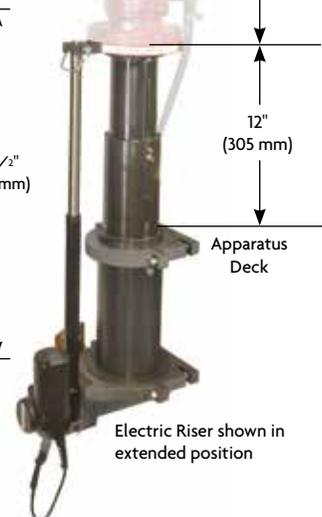
Overcome increased heights of apparatus bodies, raised roof cabs, and other obstacles with the electric riser. It enables an added 12 inches (305 mm) of extension and is the perfect complement to the already superior versatility of the DeckMaster, StreamMaster and other compatible monitors.

3406 Electric Riser For DeckMaster & StreamMaster

- 3" waterway
- 12" extension
- With unique three-piece design, the extremely compact device is only 18 1/2" (470 mm) when nested
- Can be utilized within pump modules that have limited space
- Electrically actuated (12 or 24 volt - Must specify)
- Durable lightweight Pyrolite® construction
- Manual override
- 5 year warranty
- Inlet option: 3" (75 mm) victaulic or NPT (Must specify)
- Outlet options 3" (75 mm) or 4" (100 mm) flange (Must specify)



Electric Riser for DeckMaster



Electric Riser shown in extended position

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3406	38 (17.3 kg)	18 1/2 (470 mm)	11 1/16" (297 mm)	12" (305 mm)	3" (75 mm) NPT or VIC	3" or 4" FL (75 mm or 100 mm)	1250* 1500**	4800* 5700**

* For 3482 **For 3480

StreamMaster™ II Monitor

With its patented design, the StreamMaster II provides efficient flows up to 2000 gpm (7600 lpm) in a compact configuration. The unique waterway design provides balanced forces on the outlet and reduced friction resulting in exceptional stream performance. The standard absolute position sensors provide advanced features like programmable obstacle avoidance, oscillation, and stow/deploy positions. The onboard, fully sealed IP 67 CAN control system features “plug and play” installation with built-in wireless capability and a USB port for quick software updates in the field. The 355 degree rotation and 165 degree elevation range can be configured for deck or aerial applications making this high performance compact monitor truly universal.



Style 3482
Shown with 5177 Nozzle

US Patent 8,678,022

3482 StreamMaster II Monitor 1250 gpm (4800 lpm)

- Compact industry leading operating envelope (6", 152 mm)
- Lightweight Pyrolite construction
- Simple “plug and play” installation
- Integrated wireless compatibility, utilizing the optional 3600 hand-held remote control
- Optional manual override hand-wheels
- Absolute position sensors
- Waterproof (IP 67 rated) control system with locking connectors
- User programmable obstacle avoidance
- User programmable stow and deploy positions
- Superior range of motion
 - Rotation Range 355°
 - Elevation Range +120°, - 45°
- 12V or 24V operation
- Compatible with 3406 Electric Riser
- Ladder avoidance mode - Optional

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3482	38.2 (17.3 kg)*	16" (400 mm)	11" (280 mm)	16 1/8" (410 mm)	3" Flange (DN80)	2 1/2" Male (65 mm)	1250	4800

* Less nozzle

See page 51, 172 for Electric Monitor Accessories

Nozzle Options:



Style 2499

Style 2498

Style 3485 Mini Shaper

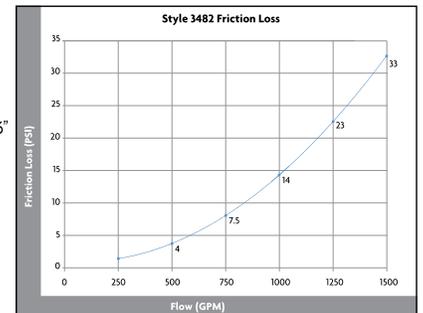
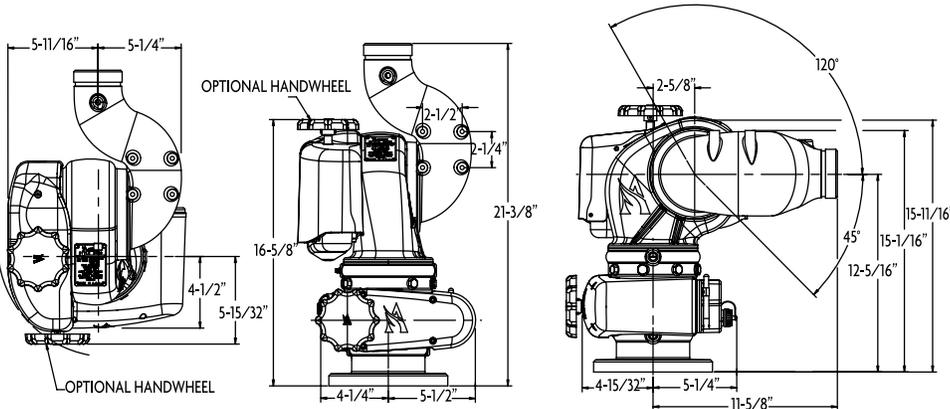
Style 1578 SaberMaster Nozzle

Style 5177 Akromatic 1250 Nozzle

Style 5176 Excel™ 1000

Style 4040 Akrochem Nozzle

Style 4480



StreamMaster™ II Monitor

3480 StreamMaster II Monitor 2000 gpm (7600 lpm)

- Compact industry leading operating envelope (6", 152 mm)
- Lightweight Pyrolite construction
- Simple "plug and play" installation
- Integrated wireless compatibility, Utilizing the optional 3600 hand-held remote control
- Optional manual override hand-wheels
- Absolute position sensors
- Waterproof (IP 67 rated) control system with locking connectors
- User Programmable Obstacle Avoidance
- User Programmable stow and deploy positions
- Superior Range of Motion
 - Rotation Range 355°
 - Elevation Range +120°, - 45°
- 12V or 24V operation
- Compatible with 3406 Electric Riser
- Ladder avoidance mode - Optional



Style 3480
Shown with 5177 Nozzle

US Patent 8,678,022

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3480	40.7 (18.5 kg)*	16" (400 mm)	11 1/8" (295 mm)	17" (430 mm)	4" Flange (DN100)	3 1/2" Male (89 mm)	2000	7600

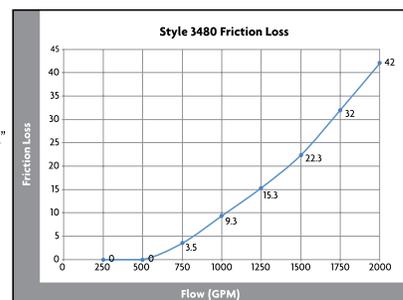
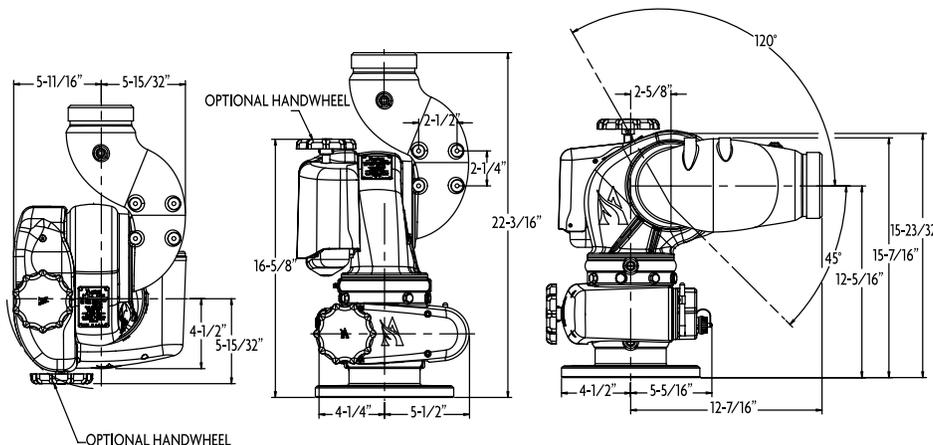
* Less nozzle

See page 51, 172 for Electric Monitor Accessories

Nozzle Options:



Style 3499 Style 2499 Style 2498 Style 3485 Mini Shaper Style 1578 SaberMaster Nozzle Style 5178 Akromatic 2000 Nozzle Style 5177 Akromatic 1250 Nozzle Style 5176 Excel™ 1000 Style 4040, 4042 Akrochem Nozzle Style 4480



Trident™ HFRT-10 High Flow Monitor 2650 GPM (10,000 LPM)

The Trident HFRT-10 High Flow Firefighting Monitor is the pinnacle water delivery system for fire fighting in the world. This monitor is a culmination of years of industry leading experience and unmatched engineering that has resulted in superior performance and reliability. The Trident's revolutionary look and high tech functionality will deliver up to 2650 gpm (10,000 lpm) of water and/or foam solutions in excess of 395' (120 m), rotates 355° horizontally, and exceeds all your expectations.

3356 Trident HFRT-10

- Manual handwheel override
- Flow: 350-2650 gpm (1325-10,000 lpm)
- Horizontal rotation up to 355°
- Vertical travel from +70° & -30°
- Outlet: 3.5" NH (89 mm)
- Position feedback
- 12V & 24V
- Compatible with Electric MasterStream Nozzles

Inlet Options:

- Bottom 4" Flange 150 lb (DN 100)
- Rear 4" Flange 150 lb (DN 100)
- Rear 4" and 5" Victaulic Flange (100 mm and 125 mm)

Options:

- Style 2489 solid bore tip with 395' (120 m) reach capability
- Style 3624 1700 gpm at 230 psi Foam Tube with Reach up to 305' (93 m)
- Style 5178 Akromatic 2000 gpm Fog nozzle with 300 feet (91 m) reach capability
- Variable Speed Joystick
- Wireless Remote Control
- Dry Chemical Piggy Back
- Inside Cab Manual Overrides with 6' Cable
- Integrated Dual Flow Fog Nozzles and Foam Tubes



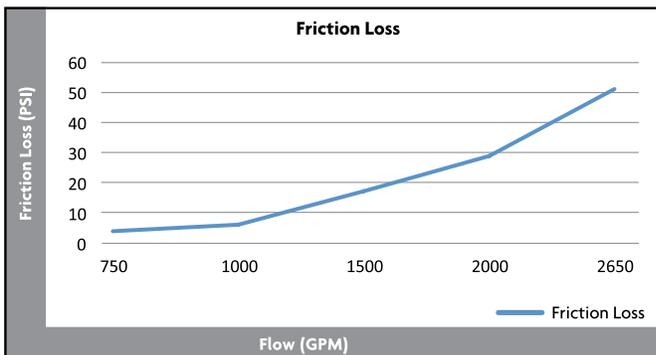
Style 3356
Trident Standard Outlet Shown
with Style 2489 Smooth Bore
and 3485 Stream Shaper



Style 3356
Trident Standard Outlet
Shown with Style 5178
Akromatic™ 2000 Nozzle

3356 High Flow Monitor
Friction Loss: (Monitor only)

Flow	PSI (bar)
750 GPM (3000 LPM)	4 (.28)
1000 GPM (3800 LPM)	6 (.41)
1500 GPM (6000 LPM)	17 (1.2)
2000 GPM (7600 LPM)	29 (2)
2650 GPM (10,000 LPM)	51 (3.5)





AeroMaster12® Monitor 3000 GPM (12000 LPM)

The AeroMaster12 incorporates a waterway that is both velocity and pressure balanced. With this innovation, this monitor provides a smooth operation through its 355° of rotational range and 190° (+120°/-70°) of vertical travel. Additionally, a friction loss of less than 1.4 bar (25 psi) at 12,000 lpm (3,000 gpm) is achieved. The standard absolute position sensors provide advanced features like programmable obstacle avoidance, oscillation, and stow/deploy positions. The onboard, fully sealed IP 67 CAN based monitor control system features simple “plug and play” installation with built-in wireless capability and a USB port for quick software updates in the field.



3000 AeroMaster12 Monitor

- Compact low profile design
- Lightweight Pyrolite construction
- Pressure and velocity balanced for faster speeds and longer life cycle
- CAN multiplexed controls provide simple “plug and play” installation
- Integrated wireless compatibility, utilizing the optional 3600 hand held remote control
- Waterproof (IP 67 rated) electronic control system with locking connectors
- User programmable obstacle avoidance, stow and deploy positions, soft stops, and auto oscillation
- Superior range of motion
 - Rotation range 355°
 - Elevation range 190° (+120° to -70°)
- Proportional speed control
- Manual override handwheel controls (only spin when engaged in manual operation)
- Optional 12V or 24V operation
- Optional Point-Aim Joystick
- Optional patent pending Style 730 Quick-Attack field detachable foam tube
- Optional patent pending flat dispersed ring on fog nozzle



Style 3000
Shown with Style 3700 Nozzle
with Optional Flat Disperse Ring

US Patent 8,678,022

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow		Pressure	
							GPM	LPM	Working (Pr)	Maximum (Pn)
3000	112 (51)	19 5/16" (491 mm)	23 3/32" (587 mm)	27 23/32" (700 mm)	6" (150 mm) or ASA & DIN 150	4 1/2" (115 mm)	3000	12000	150 psi (10 bar)	232 psi (16 bar)

* Less nozzle

Akromatic 3000 Nozzle with Optional Foam Tube

The Style 3700 is a 6,000 to 12,000 lpm (1,500 - 3,170 gpm) automatic nozzle with reach capabilities up to 125 m (410'). With a 4.5" inlet, this nozzle is designed as the perfect match to the Aeromaster12 monitor. The Style 3700 is available with an optional flat disperse pattern ring providing outstanding ground coverage of 46 m (152') wide and maintains in cab operator visibility when used in roof mounted applications. To maximize foam expansion and drain time, just add the field detachable Style 730 Quick-Attack foam tube. The combination of the flat dispersed pattern and the detachable foam tube is patent pending. This flat dispersed pattern ring allows the dispersion jaws to be moved from the end of the foam tube to the front of the foam tube. The result is a lighter foam tube with less moving parts.

3700 Akromatic 3000 Nozzle with Optional Foam Tube

- Lightweight Pyrolite construction
- Automatic flow ranges from 6000 - 12,000 lpm (1,500 - 3,000 gpm)
- Nozzle callibrated at 10 bar at the monitor inlet
- Optional flat dispersed ring on the fog nozzle
- Optional Style 730 Quick-Attack Detachable Foam Tube
- Optional 12V or 24V operation



Style 3000
Shown with Style 3700 Nozzle
and Style 730 Foam Tube



Style 3700
Shown with Optional
Flat Disperse Ring



Style 3700
Nozzle Only



Style 730 with 3700
Shown with Optional
Foam Tube

Renegade™ Electric Monitor 5000 GPM (19,000 LPM)

The Renegade electric monitor is a large flow master stream appliance designed specifically for industrial pumpers, aerials, or fixed site applications. This unique monitor combines an all-electric control package with a compact design to provide superior performance and easy installation.

3580 Renegade Electric Monitor

- Lightweight Pyrolite® construction less than 200 lbs. including the nozzle
- Low friction loss only 27 psi at 5000 gpm
- Nozzles incorporate new stream shaper for improved stream performance
- Advanced features: position feedback, automatic stow, low current draw and more
- Additional features: manual overrides, drain port, multiple outlet positions and more
- Optional position indicator (Must specify)
- See page 170 for Monitor/Fog Nozzle Compatibility Chart

Three middle elbow mounting positions (Must specify)

- ① 90° - Aerial Applications
- ② 45° - Pumper Applications
- ③ 22 1/2° - Pumper Applications (With Height Restriction)



Style	Weight lbs. (kg)	Inlet	Outlet	Flow	
				GPM	LPM
3580	150 (68 kg)*	8" FL (200 mm)	6" FL & Storz (150 mm)	5000	19000

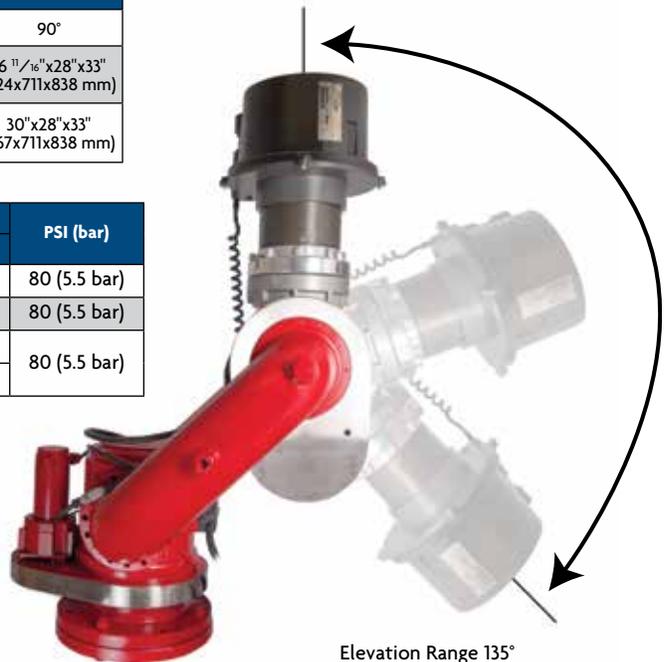
* Less nozzle

Renegade Cube Dimensions			
Middle Elbow Angle	22.5°	45°	90°
Dimensions (LxWxH)*	33 3/16"x28"x22" (843x711x559 mm)	29 5/16"x28"x28" (245x711x711 mm)	16 11/16"x28"x33" (424x711x838 mm)
Dimensions (LxWxH) w/ nozzle*	49 11/16"x28"x22" (1262x711x559 mm)	42 13/16"x28"x28" (1088x711x711 mm)	30"x28"x33" (767x711x838 mm)

* 6" flange outlet

Available Nozzles	Type	Flow		PSI (bar)
		GPM	LPM	
5088	Automatic	1000-5000	3800-19000	80 (5.5 bar)
2188	Fixed	1000-5000	3800-19000	80 (5.5 bar)
2189*	Adjustable	1000, 2000, 3000, 5000	3800, 7600, 19000	80 (5.5 bar)
		3000, 4000, 5000	11400, 15200, 19000	

* Must specify flow



See Page 51, 172 for Electric Monitor Accessories



Universal II Monitor Control System

The Universal II Monitor Control System is the highest performing most technologically advanced monitor control system. The Universal II Control System is an intelligent embedded controller compatible with both CAN and V-MUX® multiplexed networks simplifying installation while greatly expanding user configurable options and interfaces. This system's unique design empowers you to configure your monitor system giving you simplified and total control.

- “Plug and Play” for simplified installation
- V-MUX & CAN (J1939) Compatible
- Field Upgradeable Software
- Modular Design for Simplified Maintenance
- Onboard Diagnostic Capabilities
- Real Time Monitor Position Feedback *
- Proportional Speed Controls
- IP67 Rated Enclosure for Water & Corrosion Resistance

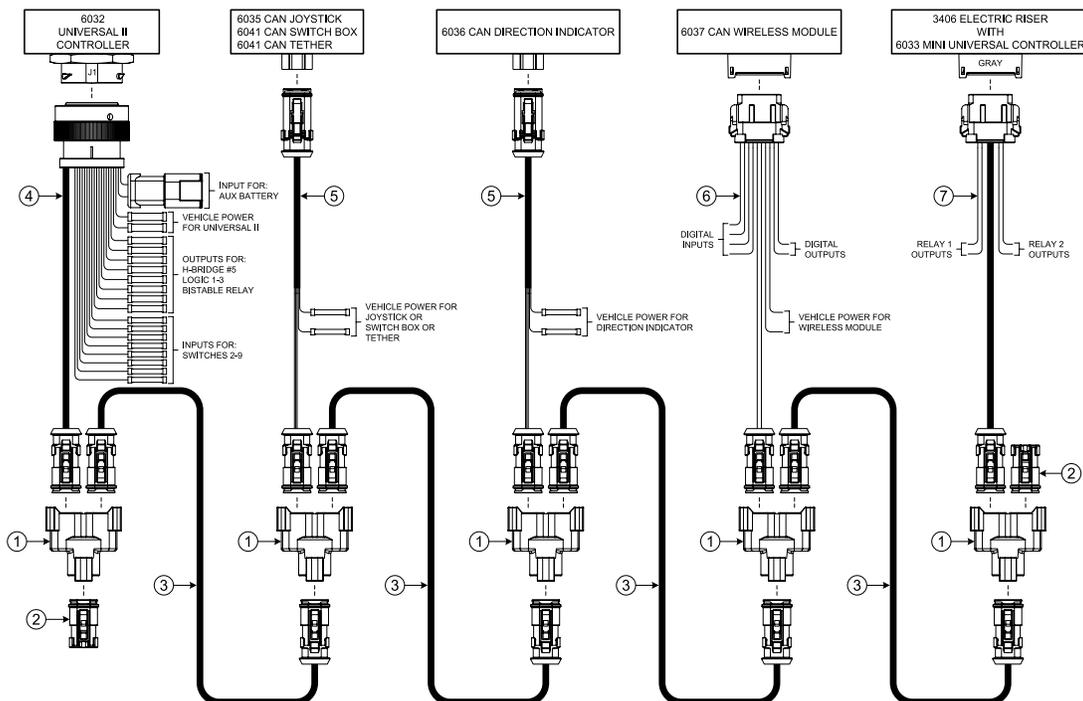
Style 6032
Universal II
Logic Box



* Optional - Must specify

HARNESSES FOR CONNECTING UNIVERSAL II CONTROLLER TO CAN DEVICES

Item	Description	Length	Part Number
1	Receptacle Connector – CAN “Y” Adapter (Deutsch #DT04-3P-P007). Connects together two CAN Network Harnesses and one CAN Stub Harness.		758306
2	Plug Connector – CAN 120Ω Terminator (Deutsch #DT06-3S-PP01). Two are required per system and plug into the CAN “Y” Adapters at each end of the CAN network.		742205
3	CAN Network Harness – Extends the CAN network to a CAN node device (an operator station for example). Connects between two CAN “Y” Adapters.	½ ft. (0.15 m) 2 ft. (0.61 m) 3 ft. (0.91 m) 5 ft. (1.52 m) 10 ft. (3.05 m) 20 ft. (6.10 m) 30 ft. (9.14 m) 40 ft. (12.19 m)	721659 721667 721572 721573 721574 721570 721665 721575
4	CAN Stub Harness – Connects the CAN network to the 6032 Universal II Controller	3 ft. (0.91 m)	721582
5	CAN Stub Harness – Connects the CAN network to a 6035 Joystick, 6041 Switch Box or 6036 Direction Indicator. Includes power and ground wires for connecting power to the control devices.	3 ft. (0.91 m) 10 ft. (3.05 m)	721579 721677
6	CAN Stub Harness – Connects the CAN network to a 6037 CAN Wireless Module. Includes power and ground wires for connecting power to the module. Also includes four wires for switch inputs and two wires for digital outputs.	3 ft. (0.91 m)	721580
7	CAN Stub Harness – Connects the CAN network to a 3406 Electric Riser via the 6033 Mini Universal Controller. Includes four wires for the Extend and Retract Relay contacts.	3 ft. (0.91 m)	721594



Standard Controls

60350009
CAN Proportional
Joystick



60410023



60410008

Universal II Electric Monitor Optional Accessories

Switch Interface
Transmitter
(SIT) Module
36000004



Style 60370008
CAN Wireless
Receiver Interface



WRC - Hand
Held Controller
36000015



60412001
CAN Teather



60510005 Panel Mount
Interface for use
with 60412001



Style 6036
CAN Direction
Indicator



60350017
Point-Aim Joystick



60350012 ARFF
CAN Joystick



60410035
OEM Interface
Module



60510002
CAN Gateway
Module



60510006
CAN Repeater



60411005



60410029



60410034



60411003



60410028



60411000





Mercury™ Quick Attack Monitor 500 GPM (1900 LPM)

The Mercury Monitors are smaller than any other portable ground monitor so they can be quickly set up and left unmanned at the fire scene to free up valuable personnel.

3443 Mercury Quick Attack Monitor

- Rated flows up To 500 gpm (1900 lpm)
- Quick deployment
- Unmanned use
- Rotation ± 20°
- Elevation 30° to 60° unmanned, and down to 20° when manned



Style 3443 Shown with Style 4445 Nozzle



Style 5148 Oscillating MercuryMaster Nozzle



Storage Bracket



Style 2420



Style 489



Style 1545



Styles 4445, 4447 Compatible with 3621 Foam Tube

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3443	14 † (6.4 kg)	9 5/8" (245 mm)	23 1/8" (588 mm)* 7 13/16" (199 mm)**	14 9/16" (370 mm)*	2 1/2" F (65 mm) 2 1/2" or 3" Storz (65 or 75 mm)	2 1/2" (65 mm)	500	1900

*Deployed Legs

** Folded Legs

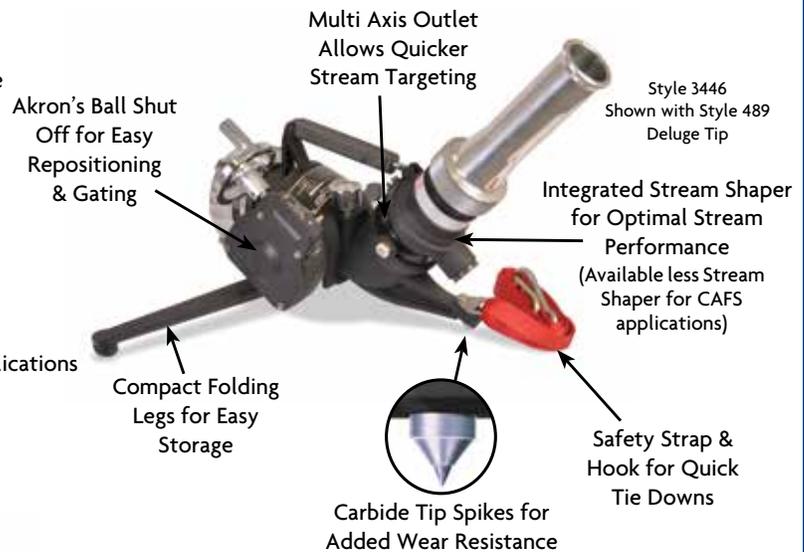
† Less Nozzle

MercuryMaster 1000™ 1000 GPM (3800 LPM)

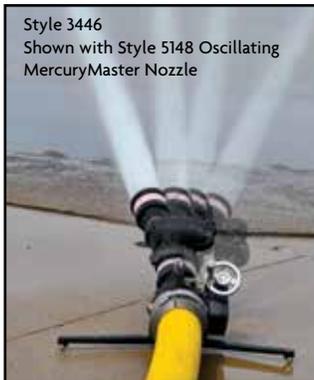
The MercuryMaster 1000 is the smallest and lightest of all 1000 gpm monitors in the firefighting industry. This monitor will save valuable time at the fire scene with quick deployment and conserves precious space on the fire truck with its compact size.

3446 MercuryMaster 1000

- Rated flow up to 1000 gpm (3800 lpm)
- Rotation ± 20°
- Elevation 30° to 60°
- Unmanned use
- Low friction loss
- Pressure gauge
- Available less Stream Shaper for CAFS applications



Style 3446 Shown with Style 489 Deluge Tip



Style 3446 Shown with Style 5148 Oscillating MercuryMaster Nozzle



Style 5148 Oscillating MercuryMaster Nozzle



Style 2498



Style 5147 Adjustable Manual MercuryMaster Nozzle



Style 5150 Automatic Nozzle



Storage Bracket

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3446 Single	24 (10.8 kg)	11 1/16" (281 mm)	25"* (635 mm) 10 1/8"*** (257 mm)	16 3/16"* (410 mm)	3 1/2 - 5" F (89-125 mm) 4", 5" Storz (100, 125 mm)	2 1/2" (65 mm)	1000	3800
3446 Dual	24 (10.8 kg)	11 1/16" (281 mm)	25"* (635 mm) 12 1/2"*** (318 mm)	21 5/16" (541 mm) 22 7/16" (570 mm) BIM 21 13/16" (554 mm) STORZ	2 1/2 or 3" F (65 or 75 mm)	2 1/2" (65 mm)	1000	3800

*Deployed Legs

** Folded Legs

Ozzie™ 911 Oscillating Monitor 350 GPM (1325 LPM)

The Akron® Ozzie 911 Oscillating Monitor has a powerful sweeping water stream for high performance attack and protection. Its unique water driven motor sweeps the outlet back and forth in a smooth, wave-like motion to provide cooling and protection while unmanned. The Ozzie Oscillating Monitor operates by itself to provide greater flexibility by protecting exposures while personnel work elsewhere. The Ozzie 911 Oscillating Monitor is suited for haz-mat situations, protecting exposures, and attacking fires.

911 Ozzie Oscillating Monitor

- Adjustable sweeping range 30° either side of center
- Vertical travel from 35° to 90° above horizontal
- On/Off knob can stop oscillation at any point
- Built-in pressure gauge
- See page 171 for Monitor/Fog Nozzle Compatibility Chart



Style 911
Shown with Style 4827 Tip



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
911	29* (13 kg)	13 3/8" (340 mm)	23 3/4" (603 mm)	19 1/4" (490 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	350	1325

* Less nozzle

** When purchased with CE approved nozzle

Ozzie™ Master 922 Oscillating Monitor 1250 GPM (4800 LPM)

The Akron® Ozzie Master 922 Oscillating Monitor has a powerful sweeping water stream for high performance attack and protection. Its' unique water-driven motor sweeps the outlet back and forth in a smooth, wave-like motion to provide cooling and protection while unmanned. The Ozzie Master Oscillating Monitor operates by itself to provide greater flexibility by protecting exposures while personnel work elsewhere. Ozzie Oscillating Monitors are suited for haz-mat situations, protecting exposures, and attacking fires.

922 OzzieMaster™ Oscillating Monitor

An Ozzie Liftoff designed for use with an Apollo™ Single or Dual Inlet Ground Base, See page 55

- Adjustable sweeping range 25° either side of center
- Vertical travel from 45° to 90° above horizontal
- On/Off knob can stop oscillation at any point
- Built-in pressure gauge
- See page 171 for Monitor/Fog Nozzle Compatibility Chart



Style 922
Shown with Style 1745 TurboMaster™ Master Stream Nozzle mounted on Apollo Single Inlet Ground Base

Style	Weight lbs. (kg)	Height	Length	Width	Inlet	Outlet	Ground Flow		Deck Flow	
							GPM	LPM	GPM	LPM
922	27 1/2* (12.5 kg)	13*** (330 mm)	21" (533 mm)	17 3/4" (450 mm)	See Apollo Inlet Options	2 1/2" (65 mm)	1000 Single Inlet 750 Dual Inlet	3800 Single Inlet 2900 Dual Inlet	1250	4800

* Less ground bases and nozzle

** When purchased with CE approved nozzle

*** Liftoff only, does not include direct mount flange or adapter

NOTE: A direct mount flange allows the OzzieMaster Oscillating Monitor to be used as a deck monitor.

Municipal Portable and Truck Monitors

Apollo™ Monitor 1250 GPM (4800 LPM)

Akron® Apollo Monitors offer a variety of models with features to fit the ever increasing demands of the fire service with a durable, dependable and stable monitor.

- 360° rotation when mounted in the deck mode, 180° in the portable mode
- Vertical travel from 90° above to 15° below horizontal, with built-in 35° safety stop
- 3" waterway with cast-in turning vanes for efficient flow
- Direct mount - a combination 3" NPT female and 3" flange
- Carbide spikes for extended wear (Spike covers optional)
- Also available as portable only or deck mount only - must specify
- See page 171 for Monitor/Fog Nozzle Compatibility Chart



Style 3416
Shown with Style 5160 Akromatic®
Master Stream Nozzle



Style 3423
Shown with Style 3488
Discharge Pipe & Style 2499
Quad Stacked Tips

3414 Apollo Single Inlet Portable Monitor
• Includes a ground base and liftoff



3421 Apollo Dual Inlet Portable Monitor
• Includes a ground base and liftoff



3416 Apollo Single Inlet Portable and Deck Monitor
• Includes a ground base, liftoff and direct mount



3423 Apollo Dual Inlet Portable and Deck Monitor
• Includes a ground base, liftoff and direct mount



NOTE: Available in deck only configurations - Must specify

Style	Weight lbs. (kg)		Deck Height	Deck Width	Deck Depth	Inlet	Outlet	Ground Flow		Deck Flow	
	Liftoff	Gd Base						GPM	LPM	GPM	LPM
3414/ 3416	23 (10.4 kg)*	38 1/2 (17.5 kg)	** 12 11/16" (305 mm)	13" (331 mm)	23 1/2" (597 mm)	3 1/2" - 5" F (89-125 mm) 4", 5" STORZ (100, 125 mm)	2 1/2" Male (65 mm)	1000	3800	1250	4800
3421/ 3423	23 (10.4 kg)*	32 (14.5 kg)	** 12 11/16" (305 mm)	13" (331 mm)	23 1/2" (597 mm)	2 1/2" or 3" F (65 or 75 mm)	2 1/2" Male (65 mm)	800	3030	1250	4800

* Less nozzle

** Measured from flange base to the top of the liftoff (Excludes nozzle or tips), Elevation Elbow extends 1" (25 mm) below flange base

Apollo PE™ Monitor 1250 GPM (4800 LPM)

The Style 3419 Apollo PE (Portable Electric) has flow capabilities of 1250 gpm (4800 lpm) with a self-contained battery and electronic control system. The Apollo PE offers motorized rotation, elevation, and nozzle pattern control. Programmable oscillation from 0-180 degrees in portable mode, 0-355 degrees in truck mode and RF wireless remote control are key features that allow for operation from safe distances using less manpower in fire or Haz-Mat situations. This robust monitor also features a smart ground mode configuration system which automatically positions the monitor for ground base installation. A quick change battery system allows for extended run times and is compatible with 12 or 24 volt systems.

- Flow capabilities of 1250 gpm (4800 lpm)
- Completely sealed, waterproof connectors
- Programmable oscillation
- Integrated and sealed electronics
- RF wireless control
- 12V or 24V compatible in one unit
- Quick change rechargeable battery system for truck and portable applications
- Simple “plug and play” installation
- Uses standard Apollo ground bases



Style 3419
Shown with 5177 1250
gpm Nozzle



Style 3600
Wireless Remote

Style 6035
CAN Joystick



Style 6041
CAN Panel Mount
Control



Style 3419
Direct Mount
Flange



Style
2499



Style
2498



Style 1578
SaberMaster
Nozzle



Style 5177 Nozzle



Style
3485

Additional Options:

- Style 6035 - CAN proportional speed joystick
- Style 6041 - CAN panel mount control station
- Style 6045 - Spare battery with storage/charging bracket
- Style 3419 – Direct mount with elevation stop interlock

Nozzle Options:

- Style 5177 Akromatic 1250
- Style 2499 quad stacked tips, with 3485 mini shaper
- Style 2498 triple stacked tips, with 3485 mini shaper

Style	Weight lbs. (kg)		Deck Height	Deck Width	Deck Depth	Inlet	Outlet	Ground Flow		Deck Flow	
	Liftoff	Ground Base						GPM	LPM	GPM	LPM
3419	45 (20.5 kg)*	Single Inlet 38 1/2 (17.5 kg)	13" (331 mm)	15" (381 mm)	18 3/8" (467 mm)	Single Inlet 3 1/2" - 5" F (89-125 mm) 4", 5" STORZ (100, 125 mm)	2 1/2" Male (65 mm)	Single Inlet 1000	Single Inlet 3800	Single Inlet 1250	Single Inlet 4800
		Dual Inlet 32 (14.5 kg)						Dual Inlet 800	Dual Inlet 3030	Dual Inlet 1250	Dual Inlet 4800

* Less nozzle



Apollo Hi-Riser™ Monitors 1250 GPM (4800 LPM)

The Apollo Hi-Riser includes the outstanding features of the standard Apollo along with the added benefit of rising over obstacles on top of the apparatus. To elevate the Apollo Hi-Riser, simply pull a pin and raise the discharge 24" above the deck. Also, the Apollo Hi-Riser rotates easily down to a low profile position for portable operation and comes complete with an automatic drain valve.

3431 Apollo Hi-Riser Single Inlet Portable and Deck Monitor

- Includes single inlet ground base, liftoff and direct mount
- Available in deck only configurations - Must specify



3433 Apollo Hi-Riser Dual Inlet Portable and Deck Monitor

- Includes a dual inlet ground base, liftoff and direct mount



Patented 6,109,360

Style 3431/3433
Shown in deck mount mode with
Style 5160 Akromatic Master
Stream Nozzle

Style	Weight lbs. (kg)		Deck Height	Width **	Depth**	Inlet	Outlet	Ground Flow		Deck Flow	
	Liftoff	Gd Base						GPM	LPM	GPM	LPM
3431	31 * (14.1 kg)	38 1/2 (17.5 kg)	** 15 1/4" (387 mm)	14 9/16" (370 mm)	18 5/8" (473 mm)	3 1/2" - 5" F (89-125 mm) 4" 5" STORZ (100, 125 mm)	2 1/2" Male (65 mm)	1000	3800	1250	4800
3433	31 * (14.1 kg)	32 (14.5 kg)	** 15 1/4" (387 mm)	14 9/16" (370 mm)	18 5/8" (473 mm)	2 1/2" or 3" F (65 or 75 mm)	2 1/2" Male (65 mm)	800	3030	1250	4800

* Less nozzle

** Stowed position, measured from base of flange to top of lift off, elevation elbo extends 2" (50 mm) below flange base

Apollo Base Mounts

3503 Apollo Top Mount

- Easily mounts the Apollo on top of a vehicle for deck gun operation or storage on a vertical surface
- Size: 22" x 15 1/4", weight: 7 1/2 lbs.

3505 Mount for Apollo Ground Base

- Conveniently store the Apollo ground base with folding legs in a standard apparatus compartment
- Length: 10", thickness: 2 1/2", weight: 1 5/8 lbs.



Style 3505



Style 3503



GP Manual Monitor 1000 GPM (3800 LPM)

The GP Manual Monitor is one of the most cost effective, highest performing firefighting monitors found worldwide. This monitor's rugged, lightweight design was engineered using some of the world's most advanced computer aided design and testing technology, resulting in performance seen by no other 1000 gpm (3800 lpm) monitor today. Once you grab the dual handled controls, you will know you are using the most highly maneuverable, easiest operating, most versatile fire service monitor in the world.

3430 GP Manual Monitor

- Rated flow up to 1000 gpm (3800 lpm)
- Rotation Continuous 360°
- Elevation +90° to -45°
- Cast-in turning vanes & integrated removable stream shaper for maximum reach and stream performance
- Built-in pressure gauge
- "T" handle manual control provides precise, easy positioning and control
- Compact, efficient design requires minimum mounting space
- See page 170 for Monitor/Fog Nozzle Compatibility Chart



Style 3430
with 487 GP
Smooth Bore Tip

Style	Weight Lbs.	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3430	15.4 lbs (7 kg)	13 1/4" (337mm)*	11" (279mm)	9 13/16" (250 mm)	3"-4" Flange (75-100 mm) DN80-100 Flange 2 1/2 - 3" NPT or BSP	2 1/2" NH (65 mm)	1000	3800

* Less Tiller Bar

Gemini™ Monitor 1000 GPM (3800 LPM)

The Gemini Monitor is of Pyrolite® construction with a compact split waterway designed with cast-in turning vanes providing performance and exceptional durability.

3470 Handwheel Gemini Monitor

- 360° continuous horizontal rotation
- Self-locking handwheel for horizontal and vertical travel
- Built-in pressure gauge with gauge guard
- See page 170 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3470	25 (11.3 kg)	20" (508 mm)	12 1/4" (312 mm)	14 5/16" (364 mm)	3" - 4" (75-100 mm) NPT or FL	2 1/2" (65 mm)	1000	3800



Style 3470
Shown with Style
3488 Discharge Pipe
& Style 489 Tip



Ladder Pipes 750/1000 GPM (3000/3800 LPM)

The Akron® Ladder Pipe offers a lightweight, compact design for uniped ladder trucks.

1495 Ladder Pipe 1000 GPM (3800 LPM)

- New easy adjustable mounting clamp with safety pins for more secure mounting
- Horizontal lock permits 15° sweep either side of center
- Removable control handle adjusts to 12 positions
- Lightweight extruded aluminum discharge pipe with full-length stream shaping fins
- 200 ft. 3/8" No. 1 Grade pure manila rope
- Adjustable mounting clamps for round rung ladders, square clamps available - Must Specify
- Optional 14950007 Mounting fixture - Must Specify

1496 Classic Ladder Pipe 750 GPM (3000 LPM)

Style	Weight lbs. (kg)	Length	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
1495	27 (12.3 kg)	39 7/8" * (1013 mm)	14 1/8" * (359 mm)	9 1/8" * (232 mm)	2 1/2" or 3" (65 or 75 mm)	2 1/2" (65 mm)	1000	3800
1496	23.5 (10.7 kg)	38" (965 mm)	17" (432 mm)	11 1/2" (292 mm)	2 1/2" or 3" (65 or 75 mm)	2 1/2" (65 mm)	750	3000

* Less Nozzle



Style 1495
Shown with
Style 489 Tip and
Discharge Pipe

Apollo™ Single Waterway Monitors 1250/2000 GPM (4800/7600 LPM)

- Designed for fixed installations in non-corrosive environments
- Durable lightweight Pyrolite® construction
- Cast-in turning vanes in each elbow for more efficient flow and improved stream performance
- 360° horizontal and 150° vertical travel
- Elevation 90° above to 60° below horizontal
- See page 170 for Monitor/Fog Nozzle Compatibility Chart

3426 3" Apollo Single Waterway Monitor

- A friction lock on both the vertical and horizontal travel
- Built-in pressure gauge and gauge guard

Style 3426
Shown with Discharge Pipe
Style 3488 & Tip Style 489

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3426	21 (9.5 kg)	17" (431 mm)*	12 3/8" - 15 1/8" (315 - 385 mm)	32 3/4" (832 mm)	2 1/2" - 3" (65-75 mm) NPT or FL	2 1/2" (65 mm)	1250	4800

* Not including tiller bar



StreamMaster™ II Manual Monitors 1250/2000 GPM (4800/7600 LPM)

The StreamMaster II manual monitor is taking monitor design technology to the next level. Included in its patented design is a unique waterway construction capable of flows from 250 gpm (950 lpm) up to 1250 gpm (4800 lpm). For the 3483 or 500-2000 gpm (1900-7600 lpm) for the 3481. This waterway provides balanced forces on the outlet and reduced friction loss resulting in exceptional stream performance over this wide-range of flows in a small compact package. This dual handwheel controlled monitor is suited for large flow needs in fire apparatus and fixed site installations.

- Compact industry leading operating envelope (10.5", 266.7 mm)
- Easy handwheel operation of both horizontal and vertical travel
- Rotational Range: 355°
- Elevation 45° below to 90° above horizontal
- See page 170 for Monitor/Fog Nozzle Compatibility Chart

3481 4" Flange inlet, 3 1/2" NH outlet up to 2000 gpm flow

Style	Weight * lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3481	33.3 (15.1 kg)	18 1/4" (464 mm)	11 3/4" (298 mm)	12 7/16" (316 mm)	4" Flange (DN100)	3 1/2" Male (89 mm)	2000	7600

* Less nozzle



Style 3481
Shown with
Style 5170 Nozzle





Corrosion resistant monitors with maximum travel for optimal coverage in industrial, mining and marine environments.

Severe-Duty Monitor 750 GPM (2900 LPM)

The Severe-Duty, multi-purpose monitor is designed to withstand continuous operation while mounted on heavy-duty equipment like off-road fire, construction, mining, or landfill vehicles. Dusty, dirty, outdoor, and continuous vibration applications are what this Akron Brass severe-duty monitor is designed to survive. The Severe-Duty monitor is excellent for fixed site non-classified wash down or fire protection.

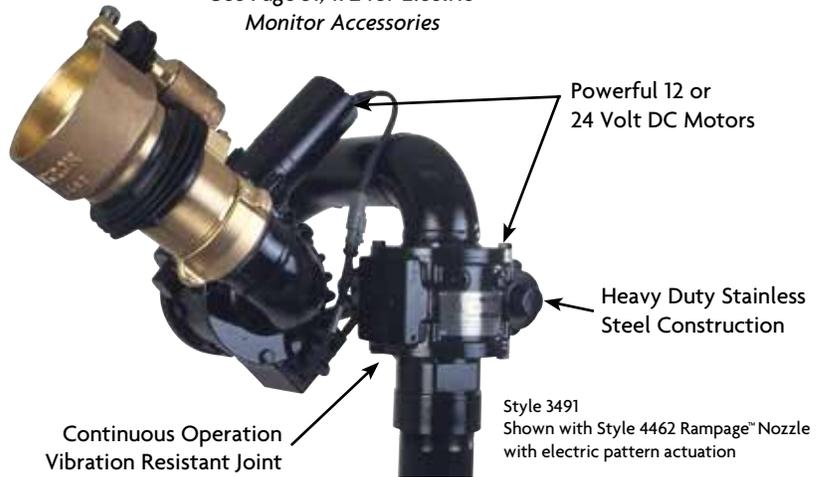
3491 Severe-Duty Electric Monitor

- 12/24 volt motor (Must specify)
- Stainless construction
- Auto Oscillation
- 320° rotation
- 155° elevation (+90°, -65°)
- Fast travel, 20°/ sec
- Pressures up to 200 psi
- 2 1/2" waterway (65 mm)
- Reaches 200' at 750 gpm
- See page 171 for Monitor/Fog Nozzle Compatibility Chart

Control Options:

- Joystick Control
- Toggle Switch Control
- Custome Control Panel
- Wireless

See Page 51, 172 for Electric Monitor Accessories



Style 3293 Nozzle



Wireless Remote Control Available



Style 489 Tip

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3491	57 (25.6 kg)*	10" (254 mm)	10 1/2" (267 mm)	11 1/2" (292 mm)	2 1/2" NPT (65 mm) 3" FL (75 mm)	2 1/2" NH (65 mm)	750	2900

* Less nozzle



Corrosion resistant monitors with maximum travel for optimal coverage in industrial, mining and marine environments.

Severe-Duty Monitor 750 GPM (2900 LPM)

The Severe-Duty, multi-purpose monitor is designed to withstand continuous operation while mounted on heavy-duty equipment like off-road fire, construction, mining, or landfill vehicles. Dusty, dirty, outdoor, and continuous vibration applications are what this Akron Brass severe-duty monitor is designed to survive. Excellent for fixed site non-classified wash down or fire protection.

3492 Severe-Duty Hydraulic Monitor

- Hydraulic motor flow 1/2 gpm @ 500 psi
- Stainless construction
- 320° rotation
- 155° elevation (+90°, -65°)
- Fast travel, 20°/ sec
- Pressures up to 200 psi
- 2 1/2" waterway (65 mm)
- Reaches 200' at 750 gpm (2900 lpm)
- See page 171 for Monitor/Fog Nozzle Compatibility Chart



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3492	59 (26.7 kg)	10" (254 mm)	10 1/2" (267 mm)	11 1/2" (292 mm)	2 1/2" NPT (65 mm) 3"FL (75 mm)	2 1/2" NH (65 mm)	750	2900

Gemini™ Monitor 1000 GPM (3800 LPM)

The Gemini Hydraulic Monitor is of Pyrolite® or brass construction with a compact split waterway designed with cast-in turning vanes. The Gemini Monitor provides high performance and exceptional durability.

- 135° vertical travel: 45° below to 90° above horizontal
- 360° continuous horizontal rotation due to innovative rotation joint design
- Manual override standard
- See page 171 for Monitor/Fog Nozzle Compatibility Chart

3476 Brass Hydraulic Gemini Monitor

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3476	82 (37.3 kg)	20" (508 mm)	10 1/4" (260 mm)	15 1/8" (385 mm)	3" - 4" (75-100 mm) NPT or FL	2 1/2" (65 mm)	1000	3800





Omega™ XP Monitor 1250 GPM (4800 LPM)

The Omega XP brass monitor offers maximum travel for optimal coverage in industrial and marine environments.

3528 Omega XP Monitor

- Brass construction for corrosion resistance
- Cast-in turning vanes for more efficient flow
- Unique locking mechanism to hold desired position
- Enhanced design provides less tip weight which translates to lower handle operating force
- 360° of horizontal movement and 135° of vertical movement
- Elevation 90° above to 45° below horizontal
- Maximum operating pressure of 200 psi
- Maximum flow 1250 gpm (4800 lpm)
- See page 171 for Monitor/Fog Nozzle Compatibility Chart



Style 3528
Shown with
Style 4450 Nozzle

Style	Weight lbs. (Kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3528	55* (24.9 kg)	14"*** (356 mm)	9 3/4" (248 mm)	9 3/4" (248 mm)	3" or 4" FL (75 or 100 mm)	2.5" NH (65 mm)	1250	4800

* Less nozzle ** Less handle

Omega™ XPV Monitors 1250 GPM (4800 LPM)

The Omega XPV brass monitors have a built-in valve for optimal versatility in industrial and marine environments.

3523 Omega XPV Monitor

- Brass construction for corrosion resistance
- Cast-in turning vanes for more efficient flow
- Unique locking mechanism to hold desired position
- Built-in 3" Heavy-Duty Swing-Out™ valve
- Enhanced design provides for less tip weight which translates to lower handle operating force
- 360° of horizontal movement and 135° of vertical movement
- Elevation 90° above to 45° below horizontal
- Maximum operating pressure of 200 psi
- Maximum flow 1250 gpm (4800 lpm)
- See page 171 for Monitor/Fog Nozzle Compatibility Chart



Style 3523
Shown with
Style 2151 Nozzle

Incorporates Akron's proven Generation II Heavy-Duty™ Swing-Out Valve technology

- Unique 316 grade stainless steel ball - designed for superior gating
- 90° adjustable handle travel
- No lubrication or regular maintenance required
- Designed to exceed NFPA requirements

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3523	84 lbs* (38.2 kg)	21 3/16"*** (538 mm)	16 1/4" (413 mm)	9 3/4" (248 mm)	3" or 4" FL (75 or 100 mm)	2.5" NH (65 mm)	1250	4800

* Less nozzle & handle



Omega™ SD Severe-Duty Monitor 1250 GPM (4800 LPM)

3524 Omega SD Severe-Duty Monitor

- Ideal for high usage applications
 - Mining
 - Tank Cleaning
 - Equipment Wash Down
- Extensive duty-cycle use
- Brass & stainless steel construction
- Cast-in turning vanes
- Unique severe-duty joint design
- See page 171 for Monitor/Fog Nozzle Compatibility Chart

Product Ratings:

- Maximum Flow: 1250 gpm (4800 lpm)
- Maximum Pressure: 200 psi (13.79 bar)
- Articulation:
 - 360° Horizontal 90° to +90° vertical travel
 - Elevation 90° below to 90° above
- Friction Loss 12 psi @ 1000 gpm



Style 3524
Shown with
Style 499 Triple Stacked
Deluge Tips

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet Standard	Inlet Optional	Outlet	Flow	
								GPM	LPM
3524	58.5 (26.5 kg)	13 15/16" * (354 mm)	14 3/16" * (360 mm)	26 5/8" (676 mm)	3" (75 mm)	3" or 4" FL (75 or 100 mm)	2.5 NH (65 mm)	1250	4800

* Maximum dimensions, less nozzle

Omega™ Monitor 1250 GPM (4800 LPM)

3526 Omega Monitor

- Full 3" waterway
- Brass construction
- Cast-in turning vanes for more efficient flow
- 360° horizontal and 150° vertical travel
- Elevation 90° above to 60° below horizontal
- See page 171 for Monitor/Fog Nozzle Compatibility Chart



Style 3526
Shown with
Rampage™ nozzle

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3526	72 (32.7 kg)	17" * (432 mm)	11 1/2" * (292 mm)	32 3/4" * (832 mm)	2 1/2", 3" or 4" FL (65, 75 or 100 mm)	2 1/2" (65 mm)	1250	4800

* Maximum dimensions, less nozzle

Aries™ Monitor 1250 GPM (4800 LPM)

3525 Aries Monitor

- Single handwheel brass monitor
- Cast-in turning vanes for more efficient flow
- 360° horizontal travel
- Elevation 90° above to 60° below horizontal
- Full 3" waterway
- Optional drain valve - Must specify
- See page 171 for Monitor/Fog Nozzle Compatibility Chart



Style 3525
Shown with Style 4450
Aquastream™ Nozzle



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3525	66 (30 kg)	15" (380 mm)	14" (550 mm)	17 1/2" (445 mm)	3" or 4" FL (75 or 100 mm)	2 1/2" (65 mm)	1250	4800



Omega™ Monitor 2000 GPM (7600 LPM)

- 3437 Omega Monitor**
- Full 4" waterway
 - Gas spring for better balance with various nozzle weights
 - Brass Construction
 - Cast-in turning vanes for more efficient flow
 - 360° horizontal and 150° vertical travel
 - Elevation 90° above to 60° below horizontal
 - See page 171 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Inlet	Outlet	Flow	
						GPM	LPM
3437	114 (51.7 kg)	18 1/4" (464 mm)	17 1/2" (445 mm)	4" FL (100 mm)	3 1/2" NPSH (89 mm) 4" NH (100 mm)	2000	7600



Style 3437
Shown with
Style 3488 Discharge
Pipe and Style 489 Tip

Conquest™ Monitor 2000 GPM (7600 LPM)

A dual handwheel brass monitor with cast-in turning vanes for industrial fires and vapor releases.

- 3671 Dual Handwheel Conquest Monitor**
- Low friction loss
 - Full 4" waterway
 - 12 volt electric version available
 - Elevation 90° above to 85° below horizontal
 - See page 171 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3671	185 (48 kg) *	25 1/2" (648 mm)	26" (661 mm)	19 3/8" (492 mm)	4" FL (100 mm)	3 1/2" NH (89 mm)	2000	7600

* Less nozzle



Style 3671
Shown with
Style 5071
Akromatic®
Nozzle

Storm™ Monitor 2000 GPM (7600 LPM)

A dual handwheel brass monitor with cast-in turning vanes for industrial fires and vapor releases.

- 3690 Storm Monitor**
- 5" waterway
 - 360° rotation
 - Vertical travel 85° above to 45° below horizontal
 - See page 171 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3690	193 (87.5 kg)	49 1/2" (1257 mm)	30 1/2" (775 mm)	31 1/2" (800 mm)	4" FL (101 mm)	3 1/2" NPSH (89 mm)	2000	7600



Style 3690
Shown with Style 5071
Akromatic Nozzle

Conquest™ Electric Remote Controlled Monitor System 2000 GPM (7600 LPM)

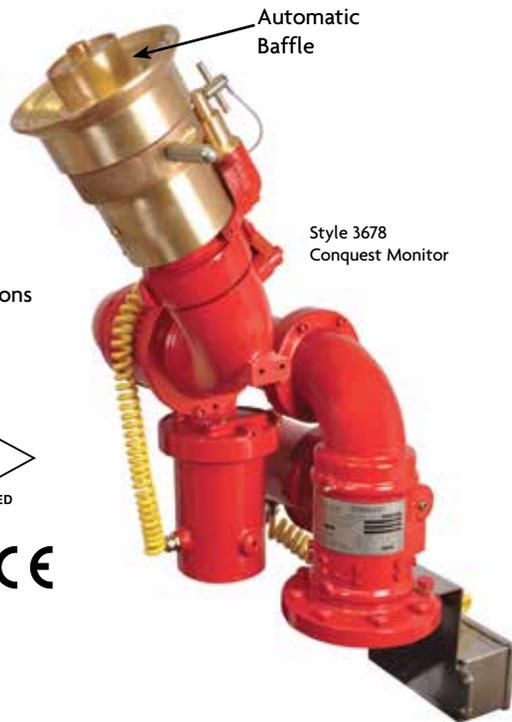
The Conquest Electric Remote Controlled Monitor System was designed as a small compact unit with exceptional performance and value. This System is ideal for use in industrial fire suppression, vapor mitigation, and other fixed site applications.

3678 Conquest Electric Monitor System

- Brass construction for use in severe environments
- Efficient flows up to 2000 gpm (7600 lpm) through a 4" waterway
- FM approved for NEC Class 1, Div 2, Groups C & D hazardous locations
- ATEX approved for Zone 1, 2, 21, & 22 hazardous locations
- Electric motors with current limiting and dynamic braking
- Fixed or automatic baffle nozzles
- Manual overrides
- Custom Engineered to your specification (Available)



Conquest Drive System

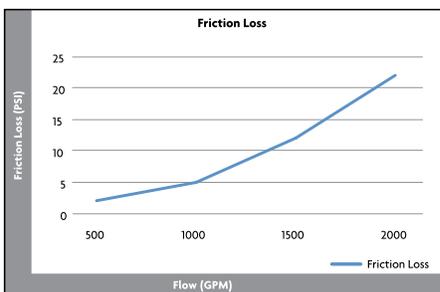


Style 3678
Conquest Monitor



3678 Conquest	
Material	Cast brass construction
Max. Flow	2000 gpm (7570 lpm)
Inlet	4" 150# Flange
Outlet	3½" NH
Waterway	4" (102mm) diameter internal waterway with turning vanes
Friction Loss	22 psi at 2000 gpm (1.4 bar at 7600 lpm) 6 psi at 1000 gpm (0.42 bar at 3800 lpm)
Rotation	340° rotation.
Elevation	175°, +90° above horizontal to -85° below horizontal.
Motors	AC motors with brass housings for elevation and rotation. Motors are rated for hazardous locations. Motors have manual override for operation during power failures.
Operating Pressure	200 psi max. (14 bar max.)
Dimensions	21½" (546 mm) high, 17" (432 mm) wide (radius of motion), and 14" (356 mm) deep (radius of motion)
Weight	212 lbs. (96 kg)
Max. Reaction Force	1430 Lbf. (6360 N)
Moment at Base Inlet	1907 Lb.-ft. (2585 N-m)
Approvals	ATEX Zone 1 II 2 D Ex tb IIIC T85°C Db (-20° C ≤ Ta ≤ 60°C) ATEX Zone 2 II 3 G Ex nR IIC T6 Gc (-40° C ≤ Ta ≤ 60°C) FM NEC Class 1 DIV2

3678 AC Conquest Motor Drive	
Type	Custom Three Axis AC Motor Drive
Features	Forward and reverse operation for each motor
	Over current and current limiting protection for each motor
	Dynamic braking for each motor
	No holding torque applied to stopped motors.
Enclosures	Manual override capabilities remain when drives are powered
	NEMA 4X, NEMA 7
Operator inputs for control of monitor axis	Left/right, Up/Down, Stream/Fog from master or slave control panel
	Inputs from master override slave inputs
	Conflicting inputs are ignored
Other drive features	Axis control circuitry, for master/slave control panel, is 24VDC
	LED power indicator
	LED input indicators
	LED output indicators
	LED status indicators for troubleshooting
	120 VAC input line filter
	15 Amp slow-blow fuse
	+140 to -40 F operating temperature
	Jumper selected "Nozzle return to fog on power down" feature on motor drive
	Finger safe, pluggable socket type, terminal strips used through out
	2 - Auxiliary relays for water on/off, foam on/off or customer selected functions are included
	PC board is coated to resist corrosion
Three axis drive is a self contained unit which is easily removable for repair/ replacement	
Can be located up to 1000 feet (300 meters) away from the Conquest Remote Controlled Monitor.	
Electrical Requirements	120VAC, 10 amp, 60Hz or 240VAC, 5 amp, 50Hz, supplied to the motor drive box. Other voltages available.
Approvals	ATEX Zone 1 – II 2 G Ex d IIB T6 Gb
	ATEX Zone 2 – II 3 G Ex nC IIC T6 Gc
	FM NEC Class 1 DIV2





Storm™ Electric Programmable Monitor System 2000 GPM (7600LPM)

The Storm Electric Programmable Monitor System provides a superior fog curtain and excellent straight stream reach coupled with precision nozzle positioning. This Storm System is designed for industrial fire suppression, vapor mitigation and other harsh environment applications.

3698 Storm Electric Programmable Monitor System

- Brass construction for use in severe environments
- High efficient flows up to 2000 gpm (7600 lpm) through a 5" waterway
- Hazardous environment ratings
- Fully programmable for automated positioning with gas detectors or PLCs
- Precision servo motors and programmable drives for high accuracy positioning
- Fixed or automatic baffle nozzle with wide angle fog pattern for vapor mitigation
- Manual overrides
- Custom Engineered to your specification (Available)



Style 3698
Storm Monitor



Zone 2

ATEX Zone 2 – II 3 G Ex nA II T165°C (T3)



Storm Drive System

ATEX Zone 2 – II 3 G Ex pz II T6



Genesis™ Hydraulic Monitor Systems 1250 GPM (4800 LPM)

- Brass or Pyrolite® construction
- Continuous 360° horizontal rotation
- High, efficient flows up to 1250 gpm (4800 lpm) through a 3" (75 mm) waterway
- Fixed or automatic baffle nozzles:
Style 5056 Automatic, Styles 2156, 2158 Fixed



- 3590 Genesis Hydraulic Manual Monitor System**
- Stand alone or manual override for electric HPU
 - Designed as a replacement for chains and pulleys with hand pump operation



Style 3475
Genesis Monitor

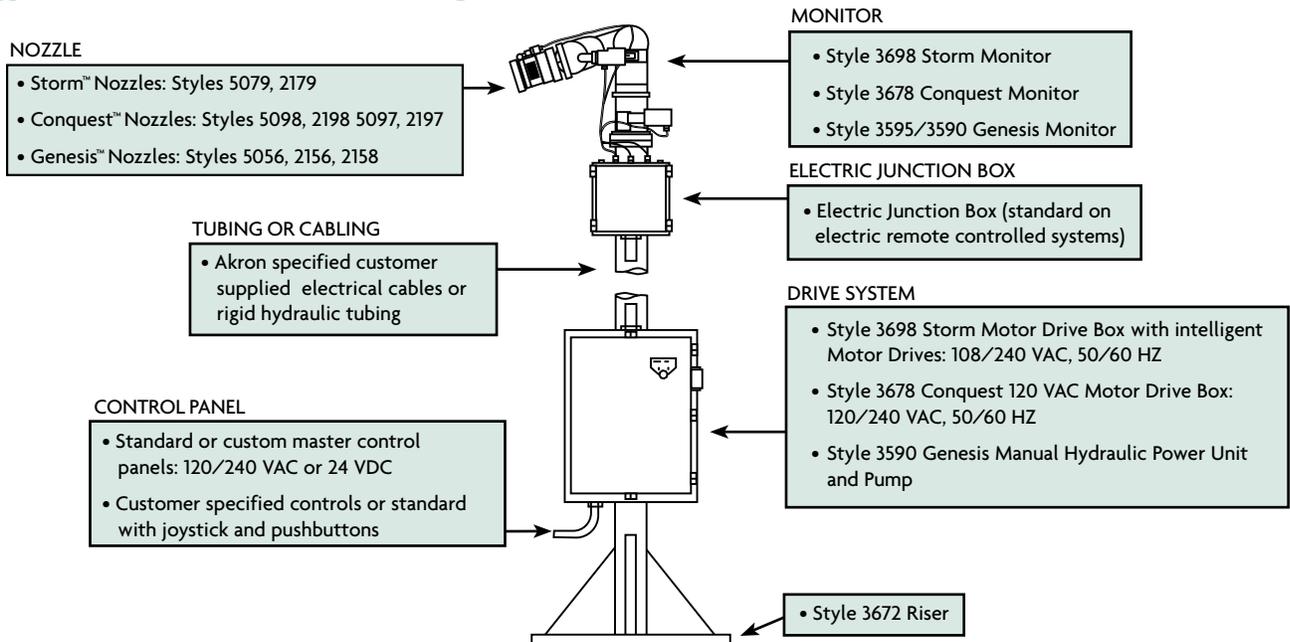


Style 3590 Genesis Manual HPU



Style 3476 Brass Genesis Monitor

Typical Remote Controlled Monitor System



Each Industrial System is custom engineered for specific applications.
Contact Akron Brass Industrial Systems Group for assistance.
akroncare@idexcorp.com



Manual Elevated Monitor 750 GPM (2900 LPM)

Akron Brass' Manual Elevated Monitor is ideal for industrial fixed site applications. Its' unique design features the most compact, simple and efficient elevated monitor without compromising the superior performance you've come to expect from Akron Brass products.

3530 Manual Elevated Monitor

- Corrosion resistance materials used throughout
- Heights – 10, 15 and 20 feet (3, 4.5 and 6 m)
- Flow rate – up to 750 GPM (2400 LPM)
- Rotation and elevation – Locking handle at the base of the tower
- Rotation: 360°
- Elevation: 40° (±20° Horizon)
- Nozzle pattern adjustment – cables at the base of the tower
- Optimized nozzle design
 - Excellent reach: 235 feet (72 m) at 750 GPM (2900 LPM)
 - Trouble free pattern actuation
 - Integral stream shaper
- Maintenance free rotation joint design

Style	Weight lbs. (kg)	Height	Width	Inlet	Outlet	Flow	
						GPM	LPM
3530	250* (113.4 kg)	10' (3 m)	26 3/4" (680 mm)	4" FL (100 mm)	2.5" N (65 mm)	750	2900
	326* (147.4 kg)	15' (4.5 m)					
	402* (183 kg)	20' (6 m)					

* Less Nozzle



Style 3530 Manual Monitor



Elevation Control Handle



Nozzle Pattern Adjustment Cable

Tank Wash Down System 500 GPM (1900 LPM)

Akron Brass tank cleaning systems offer a wide range of solutions to improve productivity and reduce equipment down time. Automated tank washing operations often use remote-controlled monitors with programmable controls to quickly and thoroughly clean interior surfaces in railroad tank cars. Monitors may require special materials and seals to withstand various tank contents and washing solutions.

3493 Tank Wash Down System

- Stainless Steel, 2.0" diameter waterway
- Flows up to 500 gpm (1900 lpm)
- Severe duty joints
- Programmable – servo motor controlled
- Custom control panels and programs
- Virtually eliminates confined space concerns



Style 3493
Shown with
Style 489 Tip

Large Vehicle And Heavy Equipment Washing 750 GPM (2900 LPM)

Akron's line of heavy-duty vehicle washing water cannons are ideal for routine cleaning of road construction equipment and large on road trucks. Reduce time normally required by current washing methods from hours to minutes with Style 3493 water cannon.

3493 Large Vehicle And Heavy Equipment Washing

- Stainless steel, 2.5" diameter waterway
- Flows up to 750 gpm (2900 lpm)
- Severe duty joints
- Simple joystick or fully programmable – servo motor controlled
- Custom control panels and programs



Style 3493
Shown with
Style 489 tip



Crowd Control System

500 GPM (1900 LPM)

The style 3563 is a technologically advanced remote controlled water cannon with features to meet the demands necessary for emergency crowd control. The 3563 can provide continuous flows up to 500 gpm or a pulsing stream up to 200 gpm using the optional high speed pulse-stream valve and joystick. The UII control system provides proportional speed control to the rotation and elevation motors for quick, precise targeting.



Style 3563 Shown with Style 489 Tip & 3485 Stream Shaper

3563 Crowd Control Truck Water Cannon

- Emergency crowd control
- Quick response
- Proven technology
- Easy to install and maintain
- Optional programmable pulse - Stream Jet
- Faster target acquisition
- Adjustable control system
- 320° Rotation
- 135° Elevation (+45° to -90°)
- Programmable pulse - Stream Jet options
- Position feedback standard (Display optional)



60350017 Point-Aim Joystick

Style	Flow Rate	Max Pressure	Outlet	Inlet	Weight	Travel		Nozzle Options
						Vertical	Horizontal	
3563	500 GPM 100 PSI (1900 LPM @ 7 bar)	200 PSI (14 bar)	2 1/2" (65 mm)	2 1/2" (65 mm)	25 lbs (11 Kg)	-45° - +90°	0° - 320°	Solid bore, Adjustable or fixed flow
3563 With Optional High Speed Valve	200 GPM 100 PSI (750 LPM @ 7 bar)	150 PSI (10 bar)	1 1/2" (38 mm)	2" (51 mm)	25 lbs (11 Kg)	-45° - +90°	0° - 320°	Solid bore, Adjustable or fixed flow



Style 6036 CAN Direction Indicator



Optional high speed valve provides pulses between 1/2 second - 2 1/2 seconds in length or can be used in continuous mode.

Hydrant Mount 1200 GPM (4500 LPM)

2775 Hydrant Mount - Ground Legs

- Hydrant Mount permits a fixed site monitor such as the Aries™ or Omega to be mounted to a 2 1/2" (65 mm) hydrant port
- Height adjustment from the ground to center of the hydrant discharge is 17 1/2" (445 mm) to 28" (712 mm)
- Length: 9 1/2" from the swivel to the middle of flange
- 2 1/2" swivel inlet
- 3" (75 mm) or 4" (100 mm) flange outlet - Must specify
- Weight: 41 lbs. (18.6 kg)
- Maximum operating pressure 100 psi (7 bar)
- Maximum flow 1200 gpm (4500 lpm)



Style 2775
Shown mounted on a hydrant with Style 3526 Omega™ Monitor (page 57) and Style 4450 Aquestream Master Stream Nozzle

Oscillating Flange 1500 GPM (5700 LPM)

The Style 3531 Oscillating Flange has been designed, engineered, and tested to protect some of the world's most valuable assets. Its unique maintenance-free polymer bearing design, high quality material construction and superior performance make it the ideal choice for a long-term, low service solution for protecting your hazardous and harsh environments. The Style 3531 is capable of flows to 1500 gpm at an oscillation range up to 165° and is compatible with most Akron Brass manual monitors.

3531 Oscillating Flange

- Maintenance-free polymer bearing (no ball bearings)
- Totally water powered (no electrical connections)
- Heavy-duty low friction loss brass waterway
- Stainless steel water drive turbine for long life performance
- Oscillation range: 30°, 60°, 90°, 120°, 140° and 165°
- Adjustable oscillation speed: 0-40 deg. / second
- Operating pressure: 50-250 psi (3 - 17 bar)
- Maximum flow and pressure: 1250 gpm (4800 lpm) @ 250 psi (17 bar) or 1500 gpm (5700 lpm) @ 180 psi (12.5 bar)
- Inlet & outlet: 4" 150# ASA flange
- Weight: 127 lbs (58 kg)
- Integrated test port allows testing of the Oscillating Flange without discharging water from the monitor

Oscillation Range up to 165°



Style 3531
Patent Pending



* When Used with FM Approved Monitor and Nozzle

Style 3531 Shown with Style 3528 Omega™ XP Monitor and Style 4461 Rampage™ Nozzle



 **AKRON**
BRASS COMPANY

TEST PORT
Close Speed
Control to Test



Style 3356
Shown with optional Dry
Chemical Nozzle and Low
Profile Rear Inlet

Akron® Roof Turrets offer greater reliability and superior performance when second best is not an option. Akron Turrets come in a variety of roof top designs and flows, either aspirated or non-aspirated, all with easy-to-use controls from inside the truck cab. Our Turrets offer joystick control and adjustable automatic oscillation.

Trident™ HFRT-10

This roof turret will deliver up to 2000 gpm (7600 lpm). To meet the demands of the industry, multiple control options and a variety of nozzle options are available. All units exceed NFPA 414 and FAA requirements.

3356 Trident HFRT-10

- Flow: 350-2000 gpm (1325-7600 lpm)
- Inlet pressure of 150 psi (10 bar) non-aspirated
190 psi (13 bar) aspirated
- MAX inlet psi 250 psi (17 bar)
- Horizontal rotation up to 355°
- Vertical travel from +70° & -30°
- Inlet: 4" (100 mm) 150 lb flange (68 kg)
- Outlet: 3.5" NH (89mm)
- Proportional speed control
- One touch stow and deploy
- Obstacle avoidance
- Adjustable automatic oscillation
- Position feedback
- 12V or 24V (Must specify)
- Manual handwheel controls
- Works with Electric MasterStream Nozzles (standard outlet)
- Painted black finish
- Durable lightweight Pyrolite® construction
- UII Control System

Optional Features:

- Integrated dual gallonage foam tubes & fog nozzles
- Cowling with lights
- Wireless remote control
- Dry chemical piggy back nozzle
- Inside the cab manual overrides
- Rear inlet (4" flange, 4"- 5" victaulic)
- Custom paint (red, white, lime yellow, black standard)



Style 3356
Trident Standard 3 1/2" Outlet
Shown with Style 5178
Akromatic™ 2000 Nozzle



Style 3356
Trident Shown with
Optional Integrated Dual
Gallonage Fog Nozzle



Optional Integrated
Dual Gallonage
Foam Nozzle

Optional Cowling with
Halogen Lights

Dual flow selection gpm (lpm)

	375 (1500)	500 (1900)	600 (2250)	660 (2500)	750 (3000)	1000 (3800)
Low	375 (1500)	500 (1900)	600 (2250)	660 (2500)	750 (3000)	1000 (3800)
High	750 (3000)	1000 (3800)	1200 (4500)	1320 (5000)	1500 (6000)	2000 (7600)

Electric Roof Turret

3353 Electric Roof Turret

- Flows from 250 to 1000 gpm (950 to 3800 lpm)
- 180° rotation & elevation travel
- 12 or 24 volt (Must Specify)
- 4" (100 mm) flange
- 2.5" (65 mm) outlet
- Position feedback
- Durable lightweight Pyrolite® construction
- Weight: 50 lbs (22.5 kg)
- Automatic drain valve for freeze protection
- Cast-in turning vanes for efficient flows
- Joystick or switch controller available



STYLE 3354
Shown with Style 5177 Nozzle



STYLE 3353
Shown with Style 5177 Nozzle

FireFox™ Electric Remote Controlled Bumper Turret

The FireFox, an all Electronic Monitor from Akron Brass, is a technologically advanced remote controlled single waterway monitor. The FireFox Monitor is designed to meet various water, foam, CAFS, and dry chemical needs. This versatile 500 GPM (1900 LPM) monitor can be used for ARFF vehicles and deicing applications.

3463 FireFox Remote Controlled Monitor

For more product information see page 41



Position indicator available



Style 3600 Wireless Remote



Style 3463 Shown with Style 3293 Mid Flow Flat Disperse Nozzle

TuckAway™ Electric Bumper Turret

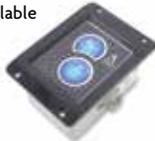
3352 Electric Bumper Turret

- Flows from 250 to 1000 gpm (946 to 3800 lpm)
- Cast-in turning vanes for efficient flows
- Position feedback
- Durable, lightweight Pyrolite® construction

Options

- Accepts a large variety of nozzles
- Speed control
- Position indicator

Position indicator available



Style 3600 Wireless Remote



Style 3352 Shown with Style 5177 Akromatic

Style	Weight lbs. (kg)	Height	Width	Inlet	Outlet	Flow	
						GPM	LPM
3352	37 (16.8 kg)	13 1/2" (343 mm)	11 1/4" (285 mm)	3" FL (75 mm)	2 1/2" (65 mm)	1000	3800

See Page 50 & 51 for Electric Monitor Accessories

Ultra High Pressure 300 GPM (1140 LPM)

Akron Brass continues to lead in the forefront of firefighting technology with the introduction of the Ultra High Pressure line of products. This line of product is designed to operate at pressures up to 1500 psi and deliver ultra-fine water droplets at high velocity for increased heat absorption and rapid fire extinguishment. This technology enhances your firefighting capabilities by rapidly reducing the temperatures within an enclosed area, increases your positive pressure ventilation capacity, and dramatically reduces personnel fatigue while using two-thirds less water.

3450 Ultra High Pressure Bumper Monitor

In the new arena of ultra high pressure fire fighting, Akron Brass is introducing its Ultra High Pressure Bumper Monitor. This Monitor is capable of delivering up to 300 GPM at 1500 psi.

- Durable stainless steel & brass construction
- Flows up to 300 GPM at pressures up to 1500 psi
- Vertical Travel: +70° & -30°
- Horizontal Travel: 180°
- 12V & 24V (Must Specify)
- Position Feedback (Rotation only)
- Uses Universal II Monitor Control System, See page 50 & 51



Style 3450
Shown with
Style 3292 Nozzle

Nozzle Options:



Style 3292 Ultra High Pressure Nozzle Available for 60 gpm @ 1100 psi or 300 gpm @ 1250 psi



Style 1417 Plain Tip w/ Style 3485 1 1/2" Mini Shaper



Style 3600
Wireless Remote

Style	Weight lbs. (kg)	Height	Width	Inlet	Depth	Outlet	Flow	
							GPM	LPM
3450	61** (28 kg)	11 5/32"* (287 mm)	14 5/8"*** (372 mm)	2" NPT (50 mm)	13 5/32" (335 mm)	1 1/2" (38 mm)	300	1140

* From bottom of elevation motor to top of elevation gearbox

** Not including nozzle

