



NOZZLE OPTIONS

Rampage™ Master Stream Nozzle

- 4462 – 12v / 24v electrically operated fog / jet Nozzle
- 4463 – Hydraulically operated fog / jet nozzle
- High performance nozzles with built-in stream shapers
- Includes female threaded swivel
- At 2,900 lpm @ 125 psi = 84 m

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Length	Weight lbs. (kg)	Effective Reach	Normal Pressure	Maximum Pressure
			GPM	LPM						
4462	All brass and stainless steel construction	Electric	500-1000 750 (500 & 1000)*	1900-3800 750 (500 & 1000)*	2.5" NH (65 mm)	8 1/8" (206 mm)	19.6 (8.9 kg)	275' (84 m)	100 psi (7 bar)	200 psi (14 bar)

* Factory set at 750 gpm - field changeable to 500 or 1000 gpm



Akrofoam™ Master Stream Nozzle

- 4471 – 12v / 24v electrically operated fog / jet nozzle with internal foam eductor
- 4472 – Hydraulically operated fog / jet nozzle with internal foam eductor
- Adjustable Flow settings
- Adjustable Foam settings: 1%, 3% and 6%
- At 2,900 lpm @ 100 psi = 71 m

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Length	Weight lbs. (kg)	Effective Reach	Normal Pressure	Maximum Pressure
			GPM	LPM						
4471	Brass and Stainless Steel Construction	Electric	350, 500, 750 & 1000	1300, 1900, 2800 & 3800	2.5" NH (65 mm)	12 1/4" (311 mm)	30 (13.6 kg)	235' (71 m)	100 psi (7 bar)	200 psi (14 bar)

Firefox™ Master Stream Nozzle

- 3297 – 12v / 24v electrically operated fog / jet nozzle
- 3298 – Hydraulically operated fog / jet nozzle
- Adjustable Flow settings
- At 1,900 lpm @ 100 psi = 64 m

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Length	Weight lbs. (kg)	Effective Reach	Normal Pressure	Maximum Pressure
			GPM	LPM						
3297	Brass and Stainless Steel Construction	Electric	125-350	470-1,325	2.5" NH (65 mm)	12 1/4" (311 mm)	30 (13.6 kg)	210' (64 m)	100 psi (7 bar)	200 psi (14 bar)

4450 Aquastream™ / 4461 Rampage Master Stream Nozzle

- Fixed gallonage nozzle
- Manually adjusted fog / jet stream
- Style 4461 & 4450 FM Approved
- At 1,900 lpm @ 100 psi = 64 m

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Teeth	Length	Weight lbs. (kg)	Effective Reach	Normal Pressure	Maximum Pressure
			GPM	LPM							
4450	Brass	Manual	500 (300 & 700)*	1900 (1140 & 2650)*	2 1/2" (65 mm)	Fixed	7" (17.8 cm)	14 1/2 (6.6 kg)	210' (64 m)	100 psi (7 bar)	200 psi (14 bar)
4461	Brass	Manual	750 (500, 1000 & 1250)*	2800 (1900, 3800 & 4800)*	2 1/2" (65 mm)	None	9" (229 mm)	23 1/4 (10.5 kg)	210' (64 m)	100 psi (7 bar)	200 psi (14 bar)

* Field changeable spacers included with nozzle

** Factory set at 750 gpm - field changeable to 500 or 1000 gpm, spacers included with nozzle. Must specify 1250 gpm.

489 Plain Deluge Nozzle

- Flow rates: 600 lpm-3,800 lpm (160 gpm-1,000 gpm)
- Manufactured from brass
- Contact an authorized Distributor or Akron Brass when selecting an orifice size

Style	Finish	Length	Weight lbs. (kg)	Orifices		Threads	Normal Pressure	Maximum Pressure
				Standard	Optional			
489	Brass or Aluminum	9" (229 mm)	3-brass (1.4 kg) 1-alum. (.5 kg)	1 1/2" (38 mm)	7/8", 1 1/4", 1 3/8", 1 3/4", 2", 2 1/4" * (22, 32, 35, 44, 50, 57 mm)	2 1/2" (65 mm)	80 psi (5.5 bar)	200 psi (14 bar)
489	Brass or Aluminum	10 1/2" (267 mm)	5-brass (2.3 kg) 1 3/4 -alum. (.8 kg)	2" (50 mm)	1 3/4", 2 1/4", 2 1/2" (44, 57, 65 mm)	3" NPSH (75 mm)	80 psi (5.5 bar)	200 psi (14 bar)

* Available with set screw for permanent attachment - Must Specify

** 2 1/4" designed for testing purposes only

◊ 3/8" tip NH thread only



(4461 Shown)



AKRON[®]

BRASS COMPANY



SEVERE-DUTY



AKRON[®]

BRASS COMPANY

ISO 9001: 2000 Registered Company

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The work conditions surrounding the mine industry are some of the toughest in the world. Heavy duty equipment is needed to operate in these severe conditions and must hold up to non-stop vibration, untreated recycled water and an extremely dirty environment. Heavy duty vehicle & facility washing is important to keeping your machinery in operation.

Akron Brass engineered solutions offer unique water cannon systems for equipment cleaning, tank washing, high duty cycle, dust suppression, and firefighting. Severe-Duty water cannons are designed to withstand continuous operation & vibration and can be mounted on heavy duty vehicles or in a fixed site application. The use of programmable water cannons can reduce equipment wash time from hours to minutes, freeing up valuable resources and addresses ongoing maintenance needs.

With experience in mining, construction, military, oil, bus, truck, railroad, aerospace and more, let Akron's engineering team customize a system that is right for you.

SEVERE-DUTY™ REMOTE WATER CANNONS

3491 – Electric Water Cannon

3492 – Hydraulic Water Cannon

- Multi-purpose water cannons ideal for fire suppression & dust control for the safety of miners
- Swivel joints contain self-lubricating polymer bearings, no external greasing points required
- Stainless steel waterway protects against corrosion
- Integrated and sealed electronics
- Multiple nozzle options provide an exact stream pattern to meet your specific needs
- 1%, 3% & 6% foam induction capabilities with an Akrofoam™ nozzle
- Optional 12v or 24v electric motors



3491 Straight Stream only



3491 Joystick adjustable fog / jet stream



Joysticks (Optional)



Mini Stream Shaper (Optional)



Electrically Actuated Control Valves (Optional)

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Rotation	Elevation	Reach	Travel	Normal Pressure	Maximum Pressure	Max Flow GPM	LPM
3491	57 lbs (25.6 kg)*	** 13 5/8" (346 mm)	14 3/16" (360 mm)	14 1/2" (368 mm)	2 1/2" NPT (65 mm) 3"FL (75 mm)	2 1/2" NH (65 mm)	320°	155° (+90°, -65°)	***Up to 200' (90 m)	20"/sec	100 psi (7 bar)	200 psi (14 bar)	750	2900
3492	59 lbs (26.7 kg)	** 13 1/2" (343 mm)	14 3/16" (360 mm)	14 1/2" (368 mm)	2 1/2" NPT (65 mm) 3"FL (75 mm)	2 1/2" NH (65 mm)	320°	155° (+90°, -65°)	***Up to 200' (90 m)	20"/sec	100 psi (7 bar)	200 psi (14 bar)	750	2900

* Less nozzle

** 2.5 NPT Inlet

*** With straight stream nozzle



MANUAL WATER CANNONS

3524 - Omega™ SD Water Cannon

- Designed for high use applications such as tank cleaning and heavy vehicle wash-down facilities
- Swivel joints contain self-lubricating polymer bearings, no external greasing points required
- Unique ball bearing free design
- Manufactured from brass & stainless steel for durability and corrosion resistance
- Low friction loss waterway (19 psi / 1.3 bar @ 4800 lpm / 1250 gpm)



3524 - Omega™ SD Water Cannon



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet Standard	Inlet Optional	Outlet	Rotation	Elevation	Normal Pressure	Maximum Pressure	Max 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)	360°	180° (±90°)	100 psi (7 bar)	200 psi (14 bar)	1250	4800

* Maximum dimensions, less nozzle

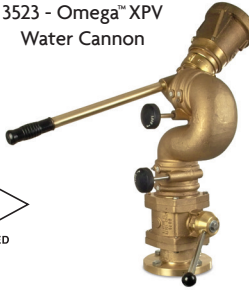
3528 - Omega™ XP Water Cannon

3523 - Omega™ XPV

- Style 3523 offers built-in Heavy-Duty Swing-Out™ valve for superior gating
- Engineered to withstand extreme environmental conditions
- Brass construction for corrosion resistance
- Cast-in turning vanes for more efficient flow
- Unique locking mechanism to hold desired position
- FM approved (must use 4450 or 4461 FM approved nozzle)



3528 - Omega™ XP Water Cannon



3523 - Omega™ XPV Water Cannon



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Rotation	Elevation	Normal Pressure	Maximum Pressure	Max Flow GPM	LPM
3528	55 lbs* (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)	360°	135° (+90°, -45°)	100 psi (7 bar)	200 psi (14 bar)	1250	4800
3523	84 lbs* (38.2 kg)	21 1/16" * (538 mm)	16 1/4" (413 mm)	9 1/4" (248 mm)	3" or 4" FL (75 or 100 mm)	2.5" NH (65 mm)	360°	135° (+90°, -45°)	100 psi (7 bar)	200 psi (14 bar)	1250	4800

* Less nozzle

** Less handle

SEMI-AUTOMATIC & AUTOMATIC WATER CANNONS

3493 Semi-Automatic Water Cannons

- Ideal for tank and equipment wash-down solutions
- Multiple cannons can be used simultaneously to wash equipment reducing wash time by 50%
- Wireless remote controlled with programmable controls for quick and thorough interior & exterior cleaning
- Manual washing with joystick or automatic with oscillating feature
- Custom control panels and programs to meet your specific needs



3493 PLC Controlled / Fully Automatic Water Cannons

- Perfect for routine cleaning of heavy-vehicles such as mining, construction & large on-road trucks
- Wash equipment in as little as 15 minutes if multiple cannons are used simultaneously
- Simple joystick or fully programmable servo motor controlled
- Can be operated at the wash pad or a remote location
- Custom control panels and programs to meet your specific needs
- Specific stream pattern can be programmed to eliminate risk of breaking windows or penetrating electrical fittings
- The Style 3493 save hours of equipment downtime & addresses ongoing maintenance needs



3493 PLC Controlled Water Cannon



3493 Water Cannon With Tip

Style	Height	Width	Depth	Inlet	Outlet	Rotation	Elevation	Normal Pressure	Maximum Pressure	Max Flow GPM	LPM
3493	**35" (mm)	22" (mm)	16 3/4" (mm)	3"FL (75 mm)	2 1/2" NH (65 mm)	320°	155° (+90°, -65°)	100 psi (7 bar)	200 psi (14 bar)	500	1900
3493 PLC	** 13 3/4" (mm)	14 3/16" (360 mm)	16 5/16" (mm)	2 1/2" NPT (65 mm) 3"FL (75 mm)	2 1/2" NH (65 mm)	320°	155° (+90°, -65°)	100 psi (7 bar)	200 psi (14 bar)	750	2900

* Less nozzle

** 2.5 NPT Inlet

*** With straight stream nozzle