



AKRON[®]

BRASS COMPANY



**SEVERE-DUTY
SOLUTIONS**

MINING WATERCART SOLUTIONS

SEVERE-DUTY™ WATER CANNONS

3491 – Electric Water Cannon

3492 – Hydraulic Water Cannon

- The Akron Brass Severe-Duty™ Water Cannons are designed for mining and other severe-duty industries
- They are multi-purpose cannons designed to withstand continuous operation in normal everyday mining conditions
- Applications include dust suppression, cleaning, firefighting and general watering
- Options of 12v or 24v electric motors with planetary gear drives or direct drive hydraulic motors for smooth movement and control
- 304 grade stainless steel waterway
- Flow rate up to 2,900 lpm / 750 gpm
- Normal working pressure: 100 psi (7 bar); Maximum working pressure: 200 psi (14 bar)
- Up to 90m (295 ft) throw distance with straight stream nozzle
- 1%, 3% & 6% foam induction capabilities with an Akrofoam™ nozzle
- No external greasing points on swivel joints
- Use of self-lubricating polymer bearings in swivel joints
- Swivel joints waterproofed both internally and externally
- Swivel joints are designed to handle mine site vibration
- Choose from a range of high performance nozzles which will provide an exact stream pattern to suit your specific needs



3491 Straight Stream only



3491 Joystick adjustable fog / jet stream



3491 Joystick adjustable fog / jet / foam nozzle



Electrically actuated Control valves



Mini Stream Shaper



60350009 Joystick



60350012 CAN Joystick



6047 Wireless Remote Control

WASHDOWN FACILITY SOLUTIONS

MANUAL WATER CANNONS

3524 - Omega™ SD Water Cannon

- Flow rate up to 4,800 lpm / 1,250 gpm
- Normal working pressure: 100 psi (7 bar); Maximum working pressure: 200 psi (14 bar)
- No external greasing joints
- Uses self-lubricating polymer Bearing in swivel joints
- Manufactured from brass & stainless steel
- Low friction loss waterway (19 psi @ 4800 lpm)

3528 - Omega™ XP Water Cannon

- Flow rate up to 4,800 lpm / 1,250 gpm
- Normal working pressure: 100 psi (7 bar); Maximum working pressure: 200 psi (14 bar)
- Features 2 rows of ball bearings in swivel joints for enhanced support
- Manufactured from brass & stainless steel
- FM approved (must use 4450 or 4461 FM approved nozzle)

3523 - Omega™ XPV Monitor

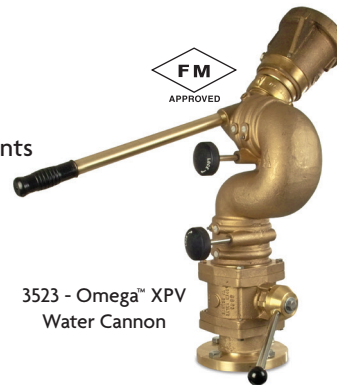
- Flow rate up to 4,800 lpm / 1,250 gpm
- Normal working pressure: 100 psi (7 bar); Maximum working pressure: 200 psi (14 bar)
- Built-in valve for optimal versatility in industrial and marine environments
- Brass construction for corrosion resistance
- Cast-in turning vanes for more efficient flow
- 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



3524 - Omega™ SD Water Cannon



3528 - Omega™ XP Water Cannon



3523 - Omega™ XPV Water Cannon

Incorporates Akron's Proven 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
- Exceeds NFPA requirements

SEMI-AUTOMATIC & AUTOMATIC WATER CANNONS

3493 Semi-Automatic Water Cannons

- A new standard in equipment washing
- Wireless remote controlled
- Multiple cannons can be used simultaneously to wash equipment
- Water supply to cannon can be turned On / Off from wireless controller
- Manual washing with joystick or automatic with oscillating feature
- Reduces washing times by at least half

3493 PLC Controlled / Fully Automatic Water Cannons

- Flow rate up to 2,900 lpm / 750 gpm
- Normal working pressure: 100 psi (7 bar)
- Wash equipment in as little as 15 minutes if multiple cannons are used simultaneously
- May eliminate the need for multiple haul trucks from your fleet over the life of a mining project
- Fully programmable servo motor water cannons
- Simply select equipment type from drop down menu and machine(s) will be washed automatically
- Can be operated at the wash pad or from a remote office location
- Multiple cannons can be used simultaneously to wash equipment
- Override function capability for manual / joystick controlled washing
- Specific stream pattern can be programmed into system to eliminate the risk of breaking windows or penetrating high risk electrical fittings



3493 PLC Controlled Water Cannon



3493 Water Cannon With Tip

NOZZLE OPTIONS

Rampage™ Master Stream Nozzle

- 4462 – 12v / 24v electrically operated fog / jet nozzle
- 4463 – Hydraulically operated fog / jet nozzle
- Flow rate: from 1,900 lpm-3,800lpm (500gpm-1,000gpm)
- High performance nozzles with built-in stream shapers
- Manufactured from brass and stainless steel
- Includes female threaded swivel
- Normal working pressure: 100 psi (7 bar); Maximum working pressure: 200 psi (14 bar)
- At 2,900 lpm @ 125 psi = 84 meter (275 ft) of effective reach

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: 1,325lpm, 1,900lpm, 2,900lpm & 3800lpm (350gpm, 500gpm, 750gpm, 1000gpm)
- Adjustable Foam settings: 1%, 3% and 6%
- Manufactured from brass and stainless steel
- Normal working pressure: 100psi; Maximum working pressure: 200psi
- At 2,900 lpm (750 gpm) @ (7 bar) 100 psi = 71m (235 ft) of effective reach

Firefox™ Master Stream Nozzle

- 3297 – 12v or 24v electrically operated fog / jet nozzle
- 3298 – Hydraulically operated fog / jet nozzle
- Adjustable Flow settings: 470 lpm-1,325 lpm (125 gpm-350 gpm)
- Manufactured from brass and stainless steel
- Normal working pressure: 100 psi (7 bar); Maximum working pressure: 200 psi (14 bar)
- At 1,900 lpm (500 gpm) @ 7 bar (100 psi) = 64m (210 ft) of effective reach

4450 Aquastream™ / 4461 Rampage Master Stream Nozzle

- Fixed gallonage nozzle
- Manually adjusted fog / jet stream
- Flow rates:
 - 4450: 1,140 lpm, 1,900 lpm & 2,650 lpm (300 gpm, 500 gpm & 700 gpm)
 - 4461: 1900 lpm, 2800 lpm, 3800 lpm, 4800 lpm (500 gpm, 750 gpm, 1000 gpm, & 1250 gpm)
- Manufactured from brass and stainless steel
- Normal working pressure: 100 psi (7 bar); Maximum operating pressure: 200 psi (14 bar)
- At 1,900 lpm (500 gpm) @ 100 psi (7 bar) = 64m (210 ft) of effective reach
- Style 4461 & 4450 FM Approved

489 Plain Deluge Nozzle

- Orifice Options (7/8", 15/16", 1", 1 1/8", 1 1/4", 1 1/2", 1 3/8", 1 3/4" & 2")
- Flow rates: 600 lpm - 3,800 lpm (160 gpm - 1,000 gpm)
- Manufactured from brass
- Speak to authorized Distributor or Akron Brass when selecting an orifice size to suit your particular application
- Normal working pressure: 80 psi (5.5 bar); Maximum working pressure: 200 psi (14 bar)



(4461 Shown)

