



AKRON[®]

BRASS COMPANY



**SEVERE-DUTY
SOLUTIONS**

"Tested...Proven...Trusted In Australian Mining Conditions"



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SEVERE DUTY MINING PRODUCTS

SEVERE-DUTY™ WATER CANNONS

3491 – Electric Water Cannon

3492 – Hydraulic Water Cannon

- Warranty: 3491 – 24 months; 3492 – 12 months
- The Akron Brass Severe-Duty™ Water Cannons are designed for the Australian Mining and Watercarts 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
- Flows – up to 2,900lpm / 750gpm
- Normal working pressure – 100psi; Maximum working pressure – 200psi
- Up to 90m 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



Joysticks



6-12m wiring harnesses



Electrically actuated Control valves



Mini Stream Shaper



Wireless Remote Control

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SEVERE DUTY MINING PRODUCTS

MANUAL WATER CANNONS

3524 - Omega™ SD Water Cannon

- Specifically designed for Australian Mining Industry wash down pads
- 36 month mining warranty
- Flow rate – 4,800lpm / 1,250gpm
- Normal working pressure – 100psi; Maximum working pressure – 200psi
- No external greasing joints.
- Uses self-lubricating polymer Bearing in swivel joints
- Manufactured from brass & stainless steel
- Low friction loss waterway (19psi @ 4800lpm)



3524 - Omega™ SD
Water Cannon

3528 - Omega™ XP Water Cannon

- Designed as a low cost cannon
- 12 month mining warranty
- Flow rate – 4,800lpm / 1,250gpm
- Normal working pressure – 100psi; Maximum working pressure – 200psi
- 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)



3528 - Omega™ XP
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
- Designed to exceed NFPA requirements



3523 - Omega™ XPV
Water Cannon

3523 - Omega™ XPV Monitor

- 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
- Flow rate – 4,800lpm / 1,250gpm
- Normal working pressure – 100psi; Maximum working pressure – 200psi

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

- 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
- Flow rate – up to 2,900lpm
- Normal working pressure – 100psi



3493 PLC Controlled
Water Cannon



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SEVERE DUTY MINING PRODUCTS

NOZZLE OPTIONS

Rampage™ Master Stream Nozzle

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

Akrofoam™ Master Stream Nozzle

- 4471 – 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 (350gpm, 500gpm & 750gpm)
- Adjustable Foam settings: 1%, 3% and 6%
- Manufactured from brass and stainless steel
- Normal working pressure: 100psi; Maximum working pressure: 200psi
- At 2,900lpm @ 100psi = 71 metre effective reach (235ft.)

Firefox™ Master Stream Nozzle

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

4450 Aquastream™ / 4461 Rampage Master Stream Nozzle

- Fixed gallonage nozzle
- Manually adjusted fog / jet stream
- Flow rates:
 - 4450 - 1,140lpm, 1,900lpm & 2,900lpm (300gpm, 500gpm & 700gpm)
 - 4461 – 1900lpm, 2900lpm, 3800lpm, 4800lpm (500gpm, 750gpm, 1000gpm, & 1250gpm)
- Manufactured from brass and stainless steel
- Normal working pressure: 100psi; Maximum operating pressure: 200psi
- At 1,900lpm @ 100psi = 64 metre effective reach (210ft.)
- Style 4461 FM Approved

489 Plain Deluge Nozzle

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



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