

HIGH-FLOW ARTICULATED WATER TOWER

Pierce



HIGH-FLOW PERFORMANCE

The Pierce® innovative, high-flow articulated water tower is the only one of its kind in the firefighting industry. Engineered with three sections, it has a 90' (27.36 meter) vertical reach. Certified to discharge 4,000 gpm (15,200 lpm), the water tower does it at more than 400' (121 meters), to keep you farther away from danger.

Pierce chassis set the standard in the fire service for reliability, durability, ergonomics, advanced technology and overall performance. The high-flow articulated water tower is available on the Arrow XT®, Quantum®, Dash® and Lance® chassis.

CHASSIS CHARACTERISTICS

- Available on the Arrow XT®, Quantum®, Dash® and Lance® chassis
- Rear suspension availability – Dynalastic, with a 60,000 lb. rating
- Front suspension availability – 21,500 lb. spring, with optional TAK-4® independent front suspension
- Axle capacities – Minimum of 21,500 lb. front and 60,000 lb. rear
- Overall travel height of 153.00"
- Minimum overall travel length of 40' 5"

TORQUE FRAME AND STABILIZER SUBSTRUCTURE

- Welded substructure with two sets of stabilizers, bolted to the standard chassis c-channel frame
- Construction of structural steel tubing and plate certified at 100,000 psi yield strength
- Two sets of extendible, out and down "H" type stabilizers, front 19' 6" spread, and 17' spread on rear stabilizers
- Double box design stabilizer beams with enclosed cylinders
- Jack cylinders with integral holding valves
- Stabilizer controls are direct hydraulic, with electric-hydraulic controls with optional auto-level system
- Stabilizer controls will be located on each side at the rear of the apparatus for unobstructed view of stabilizers during set-up
- Self-leveling stabilizer foot plate
- Hydraulic stabilizer locking pins
- Aluminum auxiliary stabilizer pads

AERIAL DEVICE POWER AND CONTROL STATION

- One control station, located either at the top mount control panel or at rear of the unit. Control station to include:
 - High idle control
 - Switch for boom lights
 - Boom controls
 - Monitor controls
- Aerial controls – electronic over hydraulic, with optional manual hydraulic controls
- Aerial device controls have fail-safe manual hydraulic overrides located on turret
- Hydraulic load sensing piston pump, capable of multiple-function operation without speed loss
- High pressure manifold block, with test ports
- Pressure filtration
- Hydraulic reservoir of 50 gallons
- Hydraulic hoses and fittings rated at a minimum 5000 psi
- Hydraulic trouble shooting kit optional
- A 12 volt emergency power unit (EPU) capable of stowing the boom in the event of a power loss

AERIAL WATERWAY

- 8.00" carbon steel waterway capable of 5000 gpm
- Pressure relief valve below the torque box
- Aerial monitor (hydraulic) capable of 4000 gpm
- TFT Typhoon nozzle (hydraulic) capable of 600-4000 GPM
- Water flow monitored by a Class 1 digital flow meter

ELECTRICAL SYSTEM

- 12 volt wiring to tip is standard with optional 120 volt with twist-lock receptacle
- Emergency stop locations:
 - Roadside front – inside stabilizer control panel compartment
 - Roadside rear – next to stabilizer
 - Curbside front – inside stabilizer control compartment
 - Curbside rear – next to stabilizer
- Cable remote control (top mount control station only)
- Radio remote control

AERIAL BODY

- Body width – 99.00"
- Body warranty to last 10 years or 100,000 miles to cover structural failures
- Compartmentation fabricated from 304L stainless steel
- Aluminum lap doors with rollup doors optional
- Body substructure supporting system made of 3.00" steel angle to attach the body to the frame
- Neoprene elastomer isolators to isolate chassis movement from the body structure
- Hose stored in two separate beds, one each side of the aerial device
- Access to the hosebed via the top mount module
- Hose capacity – minimum of 1000' of 5.00" hose
- Bodies are formed and welded construction for durable, long lasting design without the unnecessary weight
- Exclusive Pierce® underslung steel body supports featuring 3-point isolated mount system
 - This reduces torsional stress and road shock from being transmitted into the body
 - The underslung design prevents compartment floors from sagging after years of use
- Aluminum extruded rub rails, bolted on for easy repair
- Interior of all compartments are painted with multispec to hide dirt, abrasions, and protect from oil, gas and hydraulic spills
- Lap doors with automotive style of construction, double pan, double seals, enclosed latches and .25" hinge pins
- Roll-up doors with lifetime warranty (available in satin or painted finish)
- Handrails are Pierce's exclusive "cross knurled" design to reduce hand slippage

PUMP/FOAM SYSTEM

- Hale rear mounted RME-3000 pump
- Plumbing – stainless steel manifold system
- Two 6.00" inlets and one 8.00" inlet at rear
- Two 4.00" deluge risers at rear
- 8.00" Jamesbury valve for aerial waterway outlet
- Husky® 300 industrial foam system
- 750 gallon foam tank constructed of polypropylene with lifetime warranty
- Two 5.00" outlets with 6.00" plumbing and 6.00" electric valves, one each side



PERFORM. LIKE NO OTHER.™

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