



PERFORM. LIKE NO OTHER.

Pierce Ultimate Configuration (PUC)

FEATURES

BENEFITS

Chassis Area

Vehicle Stability

- Custom chassis available with RSC (roll stability control) and ESC (electronic stability control)
- Tilt table stability testing
- Provides control stability during poor driving conditions
- Increases safety



Pump Area

Lighter/Compact Pump - [Pierce Exclusive]

- Over 30% lighter weight than conventional mid-ship pumps
- Smaller physical size yet full size capacity
- Provides more efficient and effective operations
- Carries more equipment or water
- Creates a vehicle designed around today's fire department scope of work
- Allows for more compartment space
- Shorter wheelbase



Full Tilt Plumbing Service Access

- Full access to the entire fire suppression systems
- Quick access without disassembly
- Pump can be rebuilt from above the frame
- Reduces maintenance costs
- Reduces ownership costs
- Reduces maintenance time
- Reduces downtime

Silicon Carbide Mechanical Seal

- Harder and more resistant to wear than traditional tungsten carbide materials
- Allows a longer life
- Reduces ownership costs due to accidental abuse
- Resists damage due to extended dry running

Pressure Lubricated Gearcase – [Pierce Exclusive]

- Cools bearings
- Filters lubrication fluid
- Bearings remain constantly lubricated
- Reduces ownership costs

Pump & Roll Standard

- Pump and Roll is standard on all PUC vehicles
- Reduces the number of specialty trucks required to support a community that has a wide range of needs



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Sure-Step Pump Shift – [Pierce Exclusive]

- 2 steps will shift the pump into gear: set the parking brake and flip the switch
- No gear grinding and no missed shifts due to gear clash
- Pump disengages when transmission shifts into 2nd gear to prevent accidental damage to pump during pump and roll
- Pump shift over-ride at operators panel provides redundancy in pump shift circuit
- Increases reliability
- Protects investment
- Increases reliability



Integral Pump Heat/Cooling Jacket

- Pump casing incorporates an integral cooling jacket that doubles as a heating jacket in colder climates
- Reduces components
- Reduces opportunity for pump freezing in cold climates
- Protects from freezing
- Increases reliability
- Reduces ownership costs

Stainless Steel Impeller Shaft

- High strength
- Corrosion resistant
- Splined shaft (not keyed)
- Increases reliability

6 Year Pump Warranty – Optional 10 Year [Pierce Exclusive]

- Warranty
- Warranty is backed by the most respected name in the fire industry
- Reduces ownership costs if problems should arise

Simple Pump Rebuild – [Pierce Exclusive]

- Entire pump and gearcase accessible by tilting cab
- Reduces downtime
- Cuts rebuild time by as much as 50%
- Internal pump components accessible by removing intake wye. Wear rings, impeller, and mechanical seal remove from this point
- No working from under the truck - on your back!

BFV – Big Flow Master Intake Valve w/Relief

- High flow 6" valve
- Separate relief valve
- Mounts behind pump panel
- Minimizes damage
- Reduces ownership costs
- Reduces downtime
- Easy to service



O-Ring Seals

- O-ring seals
- Reduces the chance of leaks developing over the life of the pump
- Reduces maintenance
- Reduces ownership costs



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Clutch

- Magnetic clutch eliminates bushings and slip rings
- Self adjusting
- 500 lb-ft rated
- Increases longevity
- Reduces ownership costs
- Increases durability

Auxiliary PTO Drive from Pump Gearcase – [Pierce Exclusive]

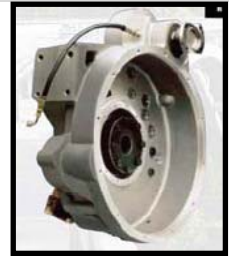
- Flexibility of adding hydraulic generators and high pressure pumps
- Meets fire departments needs with exact configuration

Integral Foam Hydraulic Drive

- Integral foam drive frees up PTOs for other uses
- Hydraulic drives increase foam system capacity and reduce electrical loads on the alternator
- Meets fire departments needs with exact configuration

Rear Engine Power Take Off [REPTO] Driven

- High horse power and torque continuous ratings allows large pumps to be driven
- Simple gearing drives off engine flywheel
- Proves to have robust performance in industries that demand reliability, assuring vehicle uptime



Fire Suppression System Area

Husky Foam System [Pierce Exclusive]

- Offering a wide variety of system capabilities with the Husky® 12 Foam Systems
- Hydraulic based to reduce AMP draw requirement
- On-board foam draft capabilities to allow continuous operations
- Draft allows use of class B foams w/o having to carry on the truck
- Allows for expandable coverage with future needs
- Compatible with ALL Class A & B foams
- Higher capacities to handle Class B foam applications for current or future uses
- Able to operate system from water tank, draft, or a high-pressure hydrant
- Patented flow meter technology that is accurate over a wide range of pump pressures (75 psi – 250 psi)
- Provides a sole source solution for a complete Fire Suppression Package – increased knockdown power with foam & CAFS
- Reduces risk of load shedding for increased availability of operating with more 12v features
- Reduces firefighter fatigue
- Increases safety
- Eliminates need to climb on truck to fill tank to continue operation
- Prepared now and in the future
- Eliminates need to worry if the foam you currently use may still be the one you will use in the future
- Allows fire department to expand in the future w/o the cost of a new system
- Provides flexibility in your operations



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Hercules CAFS Systems – Hydraulic Driven [Pierce Exclusive]

- 4 times more effective than water
- 30% increase in range
- 50% lighter hose
- Sole source solution for a complete fire suppression package
- 140 cfm hydraulic driven compressor with variable displacement pump
- Lowers exposure to heat with faster, safer knockdown
- Keeps you further from the fire/heat
- Lowers amount of work and fatigue for fire fighter
- Reduces hassles in getting support when needed
- Provides better packaging and shorter wheelbases

Stainless Steel Piping

- 10-schedule stainless steel welded pipe, 18% thicker than threaded schedule 40 pipes
- 304L stainless steel, lower carbon content
- Greater inside diameter
- Stronger welded “belled end” fitting
- Minimizes risk of corrosion
- Increases flow
- Decreases pressure drop
- Reduces number of leaks



VLH Caps - [Pierce Exclusive]

- Grooves in the thread are self-venting to release pressure as the cap is being removed, pressure will dissipate faster than you can unscrew the cap
- Every cap and adapter is a safety valve
- Reduces firefighter injuries that are due to inadvertent pressure behind caps



Piping

- Direct piping (crosslays, deckgun, DS & PS discharges) fewer elbows lower friction loss-greater flow
- Large diameter inlet/outlet to rear does not go through tank, exits low at the rear, up to (2) 5” pipes available
- Provides convenient area for storage of brass, nozzles, and hose directly in front of the operator
- Places more water at the end of the hose, making delivery of water more efficient
- Provides safer, more ergonomically lower hosebed heights
- Convenient, organized storage makes for a more efficient operation at the fire scene
- Easy to use

Single Source Fire Suppression – [Pierce Exclusive]

- Pump, foam system, CAFS from same manufacture of chassis, body, and controls ensure compatibility of major system(s) components
- Increases reliability, works under many varying conditions



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Pump Operator's Area

Lever Style Valve Controls

- Lever handles provide more mechanical advantage
- Locking handles prevent valve creep under pressure
- Valve handles align directly with control levers
- Easy to operate
- Increases safety
- Easy to operate



Operator Positioned Away From Hose

- Operator is positioned such that they are adjacent to, and not over or straddling, the discharge and inlet hoses
- Increases safety

Control Zone Pump Panels [Pierce Exclusive]

- Organized pump panel
- Ability to provide consistent pump panel layout with multiple units
- Easy to operate and train



Enclosed Operator Panel

- Enclosed operator panel keeps area clean of road debris, salt, and moisture
- Keeps operators panel clear of snow and ice
- Reduces time spent cleaning

Adjacent Engineering/Brass Compartment

- Convenient area for storage of brass, nozzles, and hose directly adjacent to the operator
- Makes storage organized and efficient at a fire scene
- Easy to use





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Low Preconnect Crosslays

- Located at a convenient chest height eliminates climbing onto apparatus to access hose (11" off frame rails)
- Removable trays
- Increases safety
- Easy to use and convenient



Pierce Pressure Governor – [Pierce Exclusive]

- Large RPM LED display
- Large LCD display that boasts 20 characters that display full messages that can be understood
- Vernier type of throttle knob
- J1939 based for quicker throttle response (Cummins & Detroit engines only)
- USB Port for Upgrades (eliminates need for laptop)
- Vehicle Fuel Level Indicator
- Pump Hour Meter
- Pump Prognostics
- Easy to read
- Simple to use



Lever Style Drain Valves – [Pierce Exclusive]

- Lever style handles create greater leverage
- Shaped for gloved hands
- Visual position indicator to tell at a glance if the valve is open or closed
- Easy to use



Body Compartmentation

Body Mounting

- Body is independently mounted to the chassis utilizing lateral frame extensions of 3/8" steel
- E-Zinc coated for corrosion resistance
- Allows body to flex independent of the chassis and pump module
- Rubber isolators
- Increases durability and body life
- Reduces maintenance and out-of-service time
- Allows doors to open during operation on severe grades without difficulty
- Absorbs and defuses stress of flexing

Compartmentation Construction

- Formed sheet metal provides more compartmentation space as compared to space robbing extrusions
- Welded construction in place of bolts and rivets
- 12 gauge floors rated up to 800lb.
- Meets fire departments needs with large, spacious storage and exact configuration
- Increases durability



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Compartment Storage

- Up to 500 ft³ of storage space available
- Up to 400 ft³ of compartment space in as little as 184" wheelbase
- Meets fire departments needs with large, spacious storage and exact configuration
- Increases maneuverability

Compartment Options

- Body material available 304L stainless steel and aluminum
- Offering a wide variety of compartmentation standard or full depth
- Three body lengths: 214", 189", 177"
- Hinged or roll-up doors
- Shelves and trays with ball bearing slides and integral latches rated up to 500lb.
- 10 year structural warranty
- Meets customer needs for material and compartment configuration
- Improves corrosion resistance & warranty with stainless bodies



Storage Organizers

- 500lb rated locking slide out floor mounted trays
- 500lb rated adjustable trays
- Tool boards, compartment dividers, tilting slide-out trays,
- Oil-dry hoppers
- Reel mountings
- Increases durability
- Increases reliability
- Meets today's fire department needs for equipment organization and efficient operations

Roll-Up Doors - [Pierce Exclusive]

- Lifetime Warranty
- Paint has a 6 year warranty
- Painted to exactly match with body color
- 3" roller consumes less compartment space
- Bestows peace of mind
- Provides a better appearance
- Provides more room for equipment

Removable Stainless Steel Fender Liners

- Brushed stainless avoids paint chips
- Removable to access spring pins for service
- Increases service access
- Reduces maintenance time

Shock Absorbing Rubrails

- Generously sized rubrails are mounted with shock absorbing isolators
- Absorb shock to protect body
- Reduces body damage from rubbing body against obstacles
- Reduces ownership costs

Enclosed Wire Raceways

- Wiring is protected from accidental damage
- Increases reliability and reduces cost of ownership
- Reduces downtime

Jump-Off Compartment [Pierce Exclusive]

- Rescue style (full-height and depth)
- Located directly adjacent to passenger side rear cab door for convenient access
- Standard on all 177", 189" & 214" mega bodies (including pumper style)
- Increases storage
- Easy to use





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Folding Space Saver Work Platform - [Pierce Exclusive]

- Fold-up rear platform shortens the overall length of the truck when stored
- Keeps rain, snow, ice off rear platform when in transit
- Increases maneuverability and has greater angle of departure
- Creates a safer step



Low-Pro Rear LDH Inlets & Outlets - [Pierce Exclusive]

- Low LHD inlets and outlets
- Routed under the shape-fitted tank to keep tank height down
- Easy to connect and disconnect hoses
- Easy and safe operations



LED FMVSS Lights - [Pierce Exclusive]

- Wrap-around LED taillights
- LED FMVSS Marker Lights
- Allows greater visibility from greater angles
- Reduces ownership costs
- Decreases burned out bulbs
- Increases safety



Shape-Fitting Water / Foam Tank

- Available from 500-1500 gallons
- Durable polypropylene tank
- Flexibility in design
- Shaped to fit the body contours
- Allows the development of a unit that fits your needs without sacrificing compartmentation or hose and ladder storage
- Lowers tank height and hosebed heights which make the vehicle easy and safe to use



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Ladder Storage

- Ladder storage on the driver side
- Other options available such as hydraulic ladder rack and hatch mounted ladder gantry
- Increases versatility in custom configuring the compartments
- Allows more options to meet the department's needs



Safety Ladder to Top of Truck Storage

- Wide, easy climbing ladder to access the top of the vehicle
- Drops to below body for a low first step height
- Folds against body reducing overall length of truck
- Increases safety
- Increases truck maneuverability

