



Ultra High-Pressure Firefighting Equipment

Industrial Duty Pumps and Accessories for UHP Fire Suppression



Product Quality, Reliability and Support You Expect

www.catpumps.com



The Ultra High-Pressure Advantage

Covers more surface area

As system pressure increases, water droplets begin to decrease in size. Using ultra high-pressure breaks water droplets down to under 5% of a standard low-pressure system droplet, increasing the surface area covered, extinguishing the flames more efficiently without wasting water.

Unmatched water consumption

Due to the increased surface area, the amount of water used to extinguish can be reduced by up to 60+%. This means that you can not only conserve the water required but also limit the amount of costly chemical that is used to extinguish the fire.

Ultra high pressure spray penetrates deep into roots for effective fire breaks and increased protection against rekindling.

Reliability

Cat Pumps has always prided itself on one thing above all the rest. Quality. We make sure that all of our systems are built with all of the features needed to not only keep it safe, but to keep it running time and time again.

Flexibility

Low water consumption combined with the weight of the systems themselves, gives you the flexibility to fight the fire however remote it may be. The systems also use light weight high-pressure hose for maximum flexibility near the fire. Comes in a variety of drive options to fit any platform.

Cooling Mist

One advantage which was discovered after field testing was the mist coming off the high-pressure spray acted as a coolant and kept the firefighter cool when getting close to the fire in grass and wildfire situations.



Direct Drive Systems

Our low-flow gear-driven units are the perfect platform for any first response unit. These light weight base units can be directly bolted to most 4.8 to 13 HP gasoline and diesel engines, and are ideal for UTV and other first response vehicles with limited water supply. Using these systems can increase time at the fire line by as much as six times over a standard low pressure system. Available in a variety of flows and pressures. Custom performances available by request.

Performance		Part Number	Required H.P.	Precision Foam Control
GPM	PSI			
3.5	1500	3CP1120GFM.055	4.8	
3.5	1500	3CP1120GFMI.065	4.8	Included
6.7	1200	5CP6120G1FM.130	7.9	
6.7	1200	5CP6120GFMI.130	7.9	Included
8	1200	56G1FM.150	11	
8	1200	56GFMI.150	11	Included
10	1450	7CP6110GFM.150	11	
10	1450	7CP6110GFMI.170	11	Included

Dual-Strike Foam Nozzle

The Ultra-High Pressure Dual-Strike Nozzle from Cat Pumps allows users to select between a straight stream and the fog stream with the flick of a wrist. The straight stream provides penetrating stream with fine mist while the fog stream provides excellent foam expansion for maximum coverage. Industrial-duty construction ensures simple, maintenance-free use.

Optional Equipment

Precision Foam Control

Designed exclusively for Cat Pumps' Ultra high-pressure systems, the precision foam control ensures that firefighters have accurate foam injection readings. Factory tested within NFPA accuracy standards, the new control can be adjusted with the turn of a knob without interrupting flow at the gun. Standard settings include shutoff, 0.5,1,2,3 and 6%. Custom settings and flows are available upon request.

Variable Stream Gun

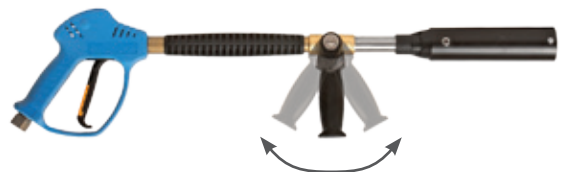
Our Variable Stream Gun gives firefighters the ultimate flexibility near the fire. Simply adjust the handle from back straight high pressure stream) to forward (induce air for high expansion foam) on the go, without disrupting stream flow.



* Model 56G1FM.150 shown

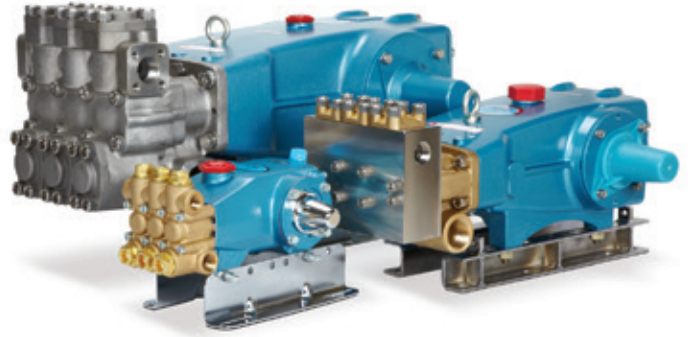
Systems Include:

- Triplex, gearbox driven high-pressure pump
- Dual-Strike Foam Nozzle
- Foam induction system
- 2.5 gallon foam tank
- Primary and secondary pressure relief
- Pressure gauge
- Inlet filter
- Built-in purging system



Custom High-Volume Systems

For larger brush trucks and other high-volume applications, Cat Pumps offers an extended line of pumps and accessories that can be used for UHP systems with a variety of drive platforms to fit your needs. These systems range from 12-100 GPM at pressures from 1200-3000 PSI.



Complete Skid Unit and Custom Pumping Systems

Cat Pumps works with a variety of distributors and equipment manufacturers that sell a full range of complete skid units and systems. Let us know what you are looking for and we will get you in contact with someone that can deliver you a quality ultra high-pressure system.



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