



Misting, Cooling and Fogging Products

High-Pressure Pumps and Systems for Exceptional Performance



Product Quality, Reliability and Support You Expect

www.catpumps.com



Photo provided by Atomizing Systems Inc.

Cat Pumps Keeps You Cool, Clean, and in Control

Atomized water keeps customers and computer servers cool, potatoes and lumber humid, and amusement parks fun. From poultry farms to greenhouses, high-pressure misting contributes to happy egg-laying hens and green, growing plants. But the opposite is also true: poor heat and humidity control can lead to overheating, loss of service or product, and many unhappy customers.

Equipment builders and system users stake their reputation on system performance. Lost time, production, and customer satisfaction cannot be recovered. This is one reason why Cat Pumps is the leading pump and power unit provider to the industry. With nearly 50 years of high-pressure pump manufacturing, Cat Pumps has built a solid reputation of producing the highest quality, longest-lasting pumps.

Quality is never an accident. Cat Pumps has engineered every last detail of pump design for long-life and reliable performance. When service is necessary, repairs can be made fast without special tools. Cat Pumps stocks service kits and parts for off-the-shelf delivery, plus is supported by a strong worldwide distribution network.

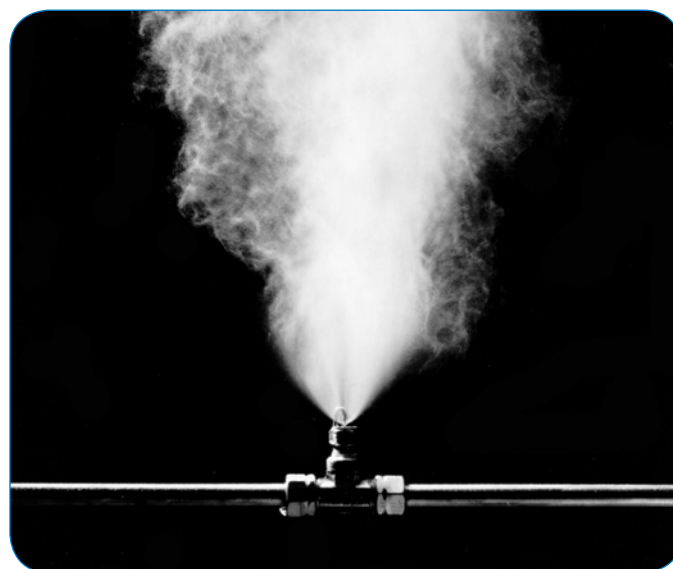


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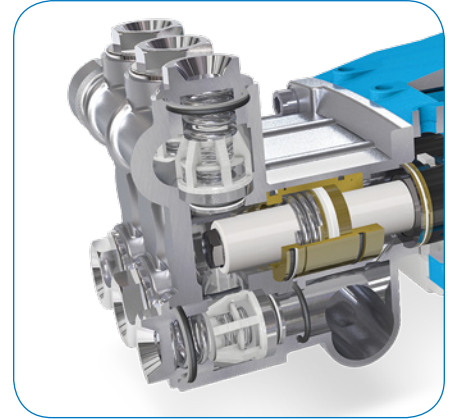
Make every hour count with Cat Pumps. Enjoy these benefits:

- Higher productivity and better yields
- Better system performance with less downtime
- Greater confidence in equipment and system performance

Quality to Keep Your Equipment Running

Cat Pumps designs and builds products to the highest quality levels. Every last design detail is optimized for product life and performance. Examples include the following features:

- Specially formulated seals and high density, polished ceramic plungers typify the attention to design detail that results in thousands of hours of trouble-free service
- Stainless steel valves, seats and springs provide corrosion resistance, positive seating and long life
- Wet seal design increases service life by allowing pumped fluids to cool and lubricate the elastomers on both sides



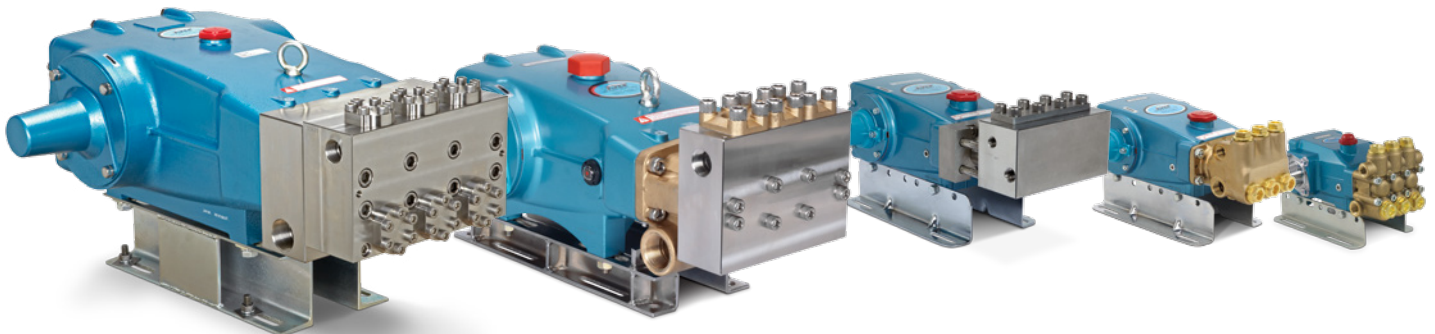
Product Performance Range

A wide range of pump options are available, including a variety of products that meet industry certifications and directives.

- Flow: 0.13 to 240 gpm (0.49 to 908 lpm)
- Pressure: 100 to 10,000 psi (6.9 to 689 bar)
- RPM: 100 to 3450
- Liquid Temperature: -10° to 240°F (-23° to 115°C)
- Manifold Materials: Brass, Nickel Aluminum Bronze, 304 and 316 Stainless Steel, Duplex Stainless Steel. Other materials available on request
- Sealing Material: NBR, FPM, EPDM, PTFE, high-temp (240° F), silicone-free and other materials available upon request
- Drives: Electric, Engine, Hydraulic, Pneumatic



Model 6762
60 gpm (227 lpm), 1200 psi (83 bar)



Industry Applications

Humidity/Moisture Control

Misting or fogging systems are commonly used to maintain proper moisture and/or consistent humidity. They eliminate static electricity, suspend airborne dust, and ensure that product and materials are less susceptible to brittleness and fracturing.

Typical Applications:

- Nurseries
- Greenhouses
- Air handling units at Hospitals and Universities
- Poultry Hatchery
- Vegetable Storage
- Wine Barrel Storage
- Meat Processing Rooms
- Textile/Paper Processing
- Print shops
- Concrete Curing
- Lumber Conditioning



Evaporative Cooling/Temperature Control

High-pressure mist cooling uses a high-pressure pump system and nozzles to inject atomized water into the air. The results of this type of cooling are dramatic and can reduce air temperature by 20 to 30 degrees depending upon ambient conditions.

Typical Applications:

- Outdoor dining and waiting areas
- Hotels, resorts, and theme parks
- Sporting events
- Warehouses and loading docks
- Poultry barns
- Recreational areas
- Kennels and veterinary hospitals
- Livestock cooling
- Universities and libraries
- Site tents for personnel cooling



Photo provided by Modern Misting Systems Inc.

Odor and Pest Control

Misting/fogging systems are commonly used in eliminating unwanted odors and pests. The reduction of water and chemicals lowers costs, making misting a great choice for odor and pest control.

Typical Applications:

- Recycling and landfills
- Waste transfer stations
- Trash collection sites
- Water treatment facilities
- Rendering plants
- Food waste sites
- Livestock and poultry sites
- Sanitation
- Paper mills
- Mosquito misting



Photo provided by Atomizing Systems Inc.

Special Effects

Misting/fogging systems are used to simulate fog or smoke and create excitement or intrigue. Misting/fogging systems are a great way to improve the customer experience, create visual effects and drive additional revenue from customer visits.

Typical Applications:

- Theme parks
- Zoos
- Hotels and resorts
- Stadiums
- Gardens
- Pool areas
- Motion picture productions
- Concerts



Photo provided by Atomizing Systems Inc.

Mist Dust Suppression

Misting/fogging is used to control the amount of dust particles in the air. Misting suppresses or removes breathable dust particles, improving air quality and working conditions. Misting also results in equipment life improvement.

Typical Applications:

- Mining
- Conveyor systems
- Crushing and grinding
- Demolition
- Steel mills
- Stockpiles
- Grain and powder transfer
- Livestock buildings



Photo provided by Modern Misting Systems Inc.

Process Cooling

Process cooling refers to the use of high pressure mist cooling in manufacturing, power generation, and HVAC. Misting systems benefits can dramatically improve the quality of products and working environment while reducing production downtime. Example: fogging systems used to cool gas turbines can increase output up to 20%.

Typical Applications:

- Gas turbine cooling
- HVAC systems
- Cooling towers
- Equipment and electronic rooms
- Manufacturing plants
- Injection molding
- Steel casting-machining
- Food processing
- Air scrubbing
- Computer server farms



Photo provided by Atomizing Systems Inc.

Compact Misting Pumps

The high-pressure water pump is the most important part of a misting system. This is why customers select products such as the 1CX series pump from Cat Pumps. The 1CX is an incredibly reliable pump designed to keep your equipment running. From the oil lubricated drive-end to the specially designed regulator, engineers at Cat Pumps set out to design the best compact misting pump available.

The 1CX is the perfect fit for misting applications that require 0.5 gpm or less. With seals that last thousands of hours before requiring any servicing, the 1CX is small in size but has the same life expectancy as our industrial products.



Model Number Selection Chart

Series	Flow (1750 rpm)	Regulator	Assemble Option	Motor Option*	Pulse Hose Option
1CX	013 = .13 gpm	R = Regulator Included	D = Pump and Motor shipped together – not assembled	1 = 8180	Blank = No Pulse Hose
	025 = .25 gpm			2 = 8182	
	050 = .5 gpm		A = Pump and Motor assembled together	3 = 8185	P = Pulse Hose Included
				4 = 8183	

Example: 1CX050RA2P = .5 gpm, Regulator, 8182 Motor, Assembled, Pulse Hose Included

* See Motor Options Chart Below

Motor Options

Motors	8180	8182	8185	8183
Horsepower**	1/4 Hp	1/2 Hp	1/2 Hp	1/2 Hp
Phase	Single	Single	Single	Single
Hertz	60 Hz	60 Hz	60 Hz	50 Hz
Voltage	115V / 230V	115V / 230V	115V / 230V	115V / 230V
rpm	1750 rpm	1750 rpm	1750 rpm	1450 rpm
Full load amp*	2.8 / 1.4	4.8 / 2.4	4.8 / 2.4	6.4 / 3.2
Service factor	1.0	1.0	1.0	1.0
Shaft diameter	1/2"	1/2"	1/2"	1/2"
Connection	12" leads	12" leads	Terminal Box	Terminal Box
Capacitors	Start and Run	Start and Run	Start and Run	Start and Run
Insulation class	E	E	E	F
Motor type	ODP	ODP	ODP	TEFC
Compliance	RoHS CSA	RoHS CSA	RoHS CSA	RoHS, CE UL, CSA
Weight	15.80 lbs	21.75 lbs	22.25 lbs	28.85 lbs

*NOTE: Without pulse hose amp draw will increase as much as 2 amps depending upon pump model and discharge pressure.

** HP Calculation, 1CX Series only = (GPM X PSI) ÷ 1060

Direct Drive Hollow Shaft Pumps

When it comes to getting the job done, customers rely on durable long-lasting products from Cat Pumps. The direct drive hollow shaft pumps are no exception. Designed for continuous duty applications and built to Cat Pumps quality standards, these pumps are preferred by system builders due to their compact size and ease of assembly.

From specially formulated high-pressure seals to concentric polished ceramic plungers, Cat Pumps direct drive pumps provide maximum life. Compact hollow shaft design is a perfect match for standard NEMA 56C frame electric motors. Flow rates from 0.5 to 3.5 gpm; pressures from 300 to 2000 psi.



Brass Manifold, 1725 RPM

Electric Motor, 5/8", 56C Face

Pump Model	Max. flow		Max pressure		rpm	Shaft	Power	
	gpm	lpm	psi	bar			hp	kW
4DX03ELR	0.3	1.1	2000	138	1725	5/8"	0.4	0.3
4DX10ER	0.5	1.9	2,000	138	1725	5/8"	0.7	0.5
4DX15ER	0.75	2.9	2,000	138	1725	5/8"	1.0	0.8
4DX20ER	1.0	3.8	2,000	138	1725	5/8"	1.4	1.0
4DX27ER	1.35	5.1	2,000	138	1725	5/8"	1.8	1.4
4DX30ER	1.5	5.7	2,000	138	1725	5/8"	2.1	1.5
4SP21ELR	2.1	8.0	2,000	138	1725	5/8"	2.9	2.1
2SF25ELS	2.5	9.5	1,500	103	1725	5/8"	2.6	1.9
4SP29ELR	2.9	11.0	1200	83	1725	5/8"	2.4	1.8

Brass Manifold, 3450 RPM

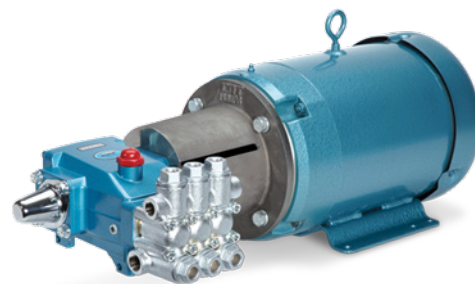
Electric Motor, 5/8", 56C Face

Pump Model	Max. flow		Max pressure		rpm	Shaft	Power	
	gpm	lpm	psi	bar			hp	kW
4DX10ER	1.0	3.8	2,000	138	3450	5/8"	1.4	1.0
4DX15ER	1.5	5.7	2,000	138	3450	5/8"	2.1	1.5
4DX20ER	2.0	7.6	2,000	138	3450	5/8"	2.7	2.0
4DX27ER	2.7	10.3	2,000	138	3450	5/8"	3.7	2.7
4DX30ER	3.0	11.4	2,000	138	3450	5/8"	4.1	3.0
2SF35ES	3.5	13.3	1,500	103	3450	5/8"	3.6	2.7

Direct Drive Bell Housing Pumps

Bell housing mounting is designed for easy assembly and compact size, with a smaller footprint compared to belt drive units. Cat Pump bell housings are made from high strength aluminum and anodized for optimal corrosion resistance.

Pump options for direct drive bell housings include brass and 316 stainless steel manifolds. Available flow rates: 2.3 to 10.5 gpm, with pressures up to 4000 psi. Bell housings are available as individual components or assembled as complete pump/motor assemblies. Maximum horsepower: 20/256TC frame motors.



Brass Manifold, 1725 rpm

Electric Motor - Bell Housing

Pump Model	Max. flow		Max pressure		rpm	Shaft	Power	
	gpm	lpm	psi	bar			hp	kW
3CP1130	2.4	9.1	2,000	138	1725	16.5 mm	3.3	2.4
3CP1140	3.6	13.7	2,200	152	1725	16.5 mm	5.4	4.0
5CP2140WCS	4.0	15.2	2,500	172	1725	20 mm	6.8	5.1
3CP1120	4.2	16.0	2,200	152	1725	16.5 mm	6.3	4.7
5CP4120CSS	4.5	17.1	4,000	276	1725	20 mm	12.3	9.1
5CP3120CSS	4.8	18.2	3,000	207	1725	20 mm	9.9	7.3
5CP2150W	5.0	19.0	2,000	138	1725	20 mm	6.8	5.1
5CP5120	6.0	22.8	2,500	172	1725	20 mm	10.3	7.6
5CP5140CSS	6.7	25.5	3000	207	1725	20 mm	13.8	10.4
5CP6120	7.4	28.1	1,200	83	1725	20 mm	6.1	4.5
56	8.0	30.4	2,500	172	1725	24 mm	13.7	10.1
5CP6190	9.7	36.9	1,200	83	1725	20 mm	8.0	5.9
7CP6110	10.5	39.9	2,000	138	1725	24 mm	14.4	10.6

316 Stainless Steel Manifold, 1725 rpm

Electric Motor - Bell Housing

Pump Model	Max. flow		Max pressure		rpm	Shaft	Power	
	gpm	lpm	psi	bar			hp	kW
3CP1231	2.3	8.7	2,000	138	1725	16.5 mm	3.2	2.3
3CP1241	3.6	13.7	2,000	138	1725	16.5 mm	4.9	3.6
5CP6241CS	4.0	15.2	2,000	138	1725	20 mm	5.5	4.1
3CP1221	4.2	16.0	2,000	138	1725	16.5 mm	5.8	4.3
5CP6251	5.0	19.0	2,000	138	1725	20 mm	6.8	5.1
5CP6221	7.4	28.1	1,200	83	1725	20 mm	6.1	4.5
7CP6111	10.5	39.9	2,000	138	1725	24 mm	14.4	10.6

Direct Drive Mounting Components

Bell Housing Assembly

Pump Series	Models	Motor Frame	Bell Housing Assy
3CP Series	3CP1120 - 40, 3CP1231 - 41	56C - 145TC	76056.3CP
		182/184TC	76184.3CP
		213/215TC	76215.3CP
3FR Series	230 - 270, 231 - 241, 237 - 247	56C - 145TC	76056.3FR
		182/184TC	76184.3FR
		213/215TC	76215.3FR
5CP Series	5CP3110CSS - 5CP6190, 5CP6221 - 5CP6251	56C - 145TC	76056.5CP
		182/184TC	76184.5CP
		213/215TC	76215.5CP
		254/256TC	76256.5CP
5FR Series	340 - 350, 341 - 351, 347 - 357	182/184TC	76184.5FR
		213/215TC	76215.5FR
7CP Series	7CP6110, 7CP6111	182/184TC	76184.7CP
		213/215TC	76215.7CP
		254/256TC	76256.7CP
7FR/8FR Series	56, 60, 700, 781, 781K	213/215TC	76215.7FR
		254/256TC	76256.7FR



Bell Housing Series

Flexible Coupler Assembly

Pump Series	Motor Frame	Flex Coupler Assy	HP Rating
3CP & 3FR Series	56C	8215	3
	145TC	8210	3
	182/184TC	8220	3
	182/184TC	8225	10
	213/215TC	8270	20
5CP & 5FR Series	56C	8261	10
	145TC	8260	10
	182/184TC	8230	10
	213/215TC	8275	20
	254/256TC	8217	20
7CP & 7FR Series	182/184TC	8370	10
	213/215TC	8375	10
	254/256TC	8380	20



Flex Coupler Series

Belt Drive Pumps

Belt drive pumps offer longer life by running at slower speeds, reducing pump wear. For continuous duty applications, an oversized pump running slower can provide up to 10,000 hours of operation before needing seal or valve servicing.

Cat Pumps belt-driven pumps can be configured to obtain exact performance required. With the flexibility of varying pulley ratios, flow can be selected regardless of motor or pump rpm. Options include low-speed 8-pole motors to high-speed 2-pole motors, 50 or 60 Hz. Special motor requirements and belt drive packages are also available.



Brass Manifold

Pump Model	Max. flow		Max pressure		Max rpm	Shaft	Power	
	gpm	lpm	psi	bar			hp	kW
3CP1130	2.4	9.1	2,000	138	1725	16.5 mm	3.3	2.4
3CP1140	3.6	13.7	2,200	152	1725	16.5 mm	5.4	4.0
5CP2120W	4.0	15.2	2,500	172	950	20 mm	6.8	5.1
3CP1120	4.2	16.0	2,200	152	1725	16.5 mm	6.3	4.7
5CP3120	4.5	17.1	3,500	241	1645	20 mm	10.8	8.0
5CP2150W	5.0	19.0	2,000	138	1725	20 mm	6.8	5.1
5CP6120	7.4	28.1	1,200	83	1725	20 mm	6.1	4.5
56	8.0	30.4	2,500	172	1725	24 mm	13.7	10.1
5CP6190	9.7	36.9	1,200	83	1725	20 mm	8.0	5.9
1050	10.0	38.0	2,200	152	958	30 mm	15.1	11.2
7CP6170	10.5	39.9	2,000	138	1450	24 mm	14.4	10.6
1050	12.0	45.6	1,800	124	1150	30 mm	14.8	10.9
1530	15.6	59.3	1,500	103	1450	30 mm	16.0	11.9
1540E	18.0	68.4	1,200	83	1100	30 mm	14.8	10.9
2510	20.0	76.0	2,000	138	1450	30 mm	27.4	20.3
3520	23.0	87.4	2,000	138	800	35 mm	31.5	23.3
2530	25.0	95.0	1,000	69	1025	30 mm	17.1	12.7
3535	36.0	136.8	1,200	83	800	35 mm	29.6	21.9
3545	45.0	171.0	1,000	69	765	35 mm	30.8	22.8
3545HS	50.0	190.0	1,500	103	850	35 mm	51.4	38.0
6760	60.0	228.0	1,200	83	520	45 mm	49.3	36.5
6775	75.0	285.0	1,200	83	650	45 mm	61.6	45.6

316 Stainless Steel Manifold

Pump Model	Max. flow		Max pressure		Max rpm	Shaft	Power	
	gpm	lpm	psi	bar			hp	kW
3CP1231	2.3	8.7	2,000	138	1725	16.5 mm	3.2	2.3
3CP1241	3.6	13.7	2,000	138	1725	16.5 mm	4.9	3.6
5CP6241CS	4.0	15.2	2,000	138	1725	20 mm	5.5	4.1
3CP1221	4.2	16.0	2,000	138	1725	16.5 mm	5.8	4.3
5CP6251	5.0	19.0	2,000	138	1725	20 mm	6.8	5.1
5CP6221	6.0	22.8	2,000	138	1400	20 mm	8.2	6.1
1051	10.0	38.0	2,200	152	958	30 mm	15.1	11.2
7CP6171	10.5	39.9	2,000	138	1450	24 mm	14.4	10.6
1051	12.0	45.6	1,800	124	1150	30 mm	14.8	10.9
1531	15.6	59.28	1,500	103	1450	30 mm	16.0	11.9
1541	18.0	68.4	1,200	83	1100	30 mm	14.8	10.9
2511	20.0	76.0	1,500	103	1450	30 mm	20.5	15.2
3521	23.0	87.4	2,000	138	800	35 mm	31.5	23.3
2531	25.0	95.0	1,000	69	1025	30 mm	17.1	12.7
3531	36.0	136.8	1,200	83	800	35 mm	29.6	21.9
3531HS	40.0	152	2,000	138	888	35 mm	54.8	40.5
3541	45.0	171	1,000	69	765	35 mm	30.8	22.8
6761	60.0	228	1,200	83	520	45 mm	49.3	36.5
6771	75.0	285	1,200	83	650	45 mm	61.6	45.6
67102	100.0	378	1,000	69	680	45 mm	68.5	51.1
67102	80.0	303	1,200	83	500	45 mm	65.8	49.0

“The applications I serve often require the pumps to perform at the edge of their operating limits. Cat Pumps are the only pumps that can handle the application variation and still meet the demands in life that customers need.”

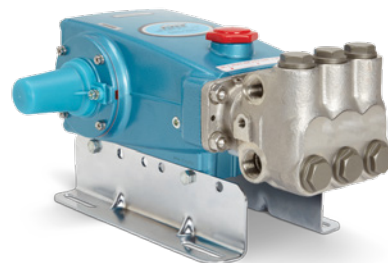
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Flush-Style Pumps

Flush pumps ("K" or "C" option) provide an external seal flush between the high and low pressure seals, adding considerable life to seals and wear elements.

Flush pumps are ideal for applications that pump liquids with poor lubricity properties, such as demineralized or highly purified water, which is often used for inlet turbine fogging. Clean room humidification can also use demineralized water/high-purity water.

Cat Pumps products have been used with confidence for years on applications with low lubricity fluids. Contact Cat Pumps application specialists to properly size and select pumps and accessories, including power unit system design.



316 Stainless Steel Manifold

Pump Model	Max. flow		Max pressure		rpm	Shaft	Power	
	gpm	lpm	psi	bar			hp	kW
311C	4.0	15.2	2,200	152	950	20 mm	6.0	4.5
781K	4.5	17.1	5,000	345	1700	24 mm	15.4	11.4
1051C	10.0	38.0	2,200	152	958	30 mm	15.1	11.2
7CP6171C	10.5	39.9	2,000	138	1450	24 mm	14.4	10.6
3511C	14.0	53.2	3,000	207	800	35 mm	28.8	21.3
2831K	21.0	79.8	1,200	83	860	30 mm	17.3	12.8
3521C	23.0	87.4	2,000	138	800	35 mm	31.5	23.3
6821K	25.0	95.0	3,000	207	615	45 mm	51.4	38.0
3531C	36.0	136.8	1,200	83	800	35 mm	29.6	21.9
6831K	40.0	152	2,300	159	625	45 mm	63.0	46.6
3541C	45.0	171	1,000	69	765	35 mm	30.8	22.8
6841K	48.0	182.4	2,000	138	615	45 mm	65.8	48.7
6861K	60.0	228	1,200	83	52	45 mm	49.3	36.5

Custom Pumping Systems

For over 25 years, Cat Pumps has been the industry leader in providing custom-engineered pumping systems to meet a wider range of application needs. By selecting Cat Pumps for your next pumping system, customers eliminate the hassle and expense of designing, multiple source buying, fabrication and testing. The technical sales team assists with proper component selection, as well as installation, operation and maintenance support.

All systems are designed, built and pressure tested in the Cat Pumps Minneapolis location. To begin the quoting process, call the main office at (763) 780-5440 or submit the custom system quote form at catpumps.com.

With thousands of installations running around the world, Cat Pumps is the supplier of choice for custom pumping systems.



System Configuration

With extensive experience building thousands of systems, Cat Pumps can help determine the best configuration for any application.

Base

System design starts with choosing the base that best fits the application. Numerous base configurations are available to meet space, portability, sound and material demands.

- Standard • Vertically Stacked • Enclosed • Multiple Pump

Power Source

A qualified technical staff with extensive experience can assist in recommending the correct product for any power source available.

- Electric • Gas • Diesel • Hydraulic • Pneumatic

Drive Package

A wide variety of drive packages are available to complement any power source of choice.

- Belt • Direct Drive • Gearbox • Clutch

Accessories

Choose from hundreds of high-quality genuine Cat Pumps accessories for optimum system performance and life.

- Regulator • Relief / Pop-off Valve • Pressure Gauge
- Pulsation Dampener • Inlet Filter / Strainer • Oil

Advanced Control Options



Ask about advanced control options designed to provide maximum system performance as well as system protection. Options include:

- Variable Frequency Drives (VFD)
- PID Loop (varies speed of pump to maintain system pressure)
- Multiple Pump Systems
- Low-Pressure Seal Monitors
- Auto Shutdowns (Temperature and Low Inlet Pressure)

Other control options are available upon request.

Accessories

Pressure Regulators

Standard Models

Model	Flow Range		Pressure Range	
	gpm	lpm	psi	bar
7001	0.5 - 5	1.9 - 19	100 - 1000	6.9 - 69
7002	0.5 - 5	1.9 - 19	500 - 2000	35 - 138
7003	0.5 - 5	1.9 - 19	1500 - 3000	103 - 207
7011	1 - 10	3.8 - 38	100 - 1000	6.9 - 69
7012	1 - 10	3.8 - 38	500 - 2000	35 - 138
7013	1 - 10	3.8 - 38	1500 - 3000	103 - 207
7021	2.5 - 25	9.5 - 95	100 - 1000	6.9 - 69
7022	2.5 - 25	9.5 - 95	500 - 2000	35 - 138
7023	2.5 - 25	9.5 - 95	1500 - 3000	103 - 207
7031	3.5 - 35	13.2 - 132	250 - 1000	18 - 69
7032	3.5 - 35	13.2 - 132	1000 - 2000	69 - 138
7033	3.5 - 35	13.2 - 132	1500 - 3000	103 - 207
7590.100	10 - 52	38 - 198	400 - 2175	28 - 150
9950.100	50 - 120	189 - 450	100 - 2900	6.9 - 200

316 Stainless Steel Models

Model	Flow Range		Pressure Range	
	gpm	lpm	psi	bar
7001.100	0.5 - 5	1.9 - 19	100 - 1000	6.9 - 69
7002.100	0.5 - 5	1.9 - 19	500 - 2000	35 - 138
7003.100	0.5 - 5	1.9 - 19	1500 - 3000	103 - 207
7011.100	1 - 10	3.8 - 38	100 - 1000	6.9 - 69
7012.100	1 - 10	3.8 - 38	500 - 2000	35 - 138
7013.100	1 - 10	3.8 - 38	1500 - 3000	103 - 207
7021.100	2.5 - 25	9.5 - 95	100 - 1000	6.9 - 69
7022.100	2.5 - 25	9.5 - 95	500 - 2000	35 - 138
7023.100	2.5 - 25	9.5 - 95	1500 - 3000	103 - 207
7031.100	3.5 - 35	13.2 - 132	250 - 1000	18 - 69
7032.100	3.5 - 35	13.2 - 132	1000 - 2000	69 - 138
7033.100	3.5 - 35	13.2 - 132	1500 - 3000	103 - 207
7375	10 - 75	38 - 284	100 - 1000	6.9 - 69
7376	10 - 75	38 - 284	500 - 2000	35 - 138
7410	10 - 100	38 - 378	100 - 1500	6.9 - 103



7001

Pop-Off / Relief Valves

Brass Models

Model	Flow Range		Pressure Range	
	gpm	lpm	psi	bar
30960	0 - 6	0 - 23	300 - 1500	20 - 103
33961	0 - 6	0 - 23	1000 - 4000	69 - 275
9940	0 - 25	0 - 95	1000 - 4000	69 - 275
7595	1 - 53	3.8 - 200	260 - 2600	18 - 180

316 Stainless Steel Models

Model	Flow Range		Pressure Range	
	gpm	lpm	psi	bar
9960	0 - 6	0 - 23	300 - 1500	20 - 103
9962	0 - 6	0 - 23	1000 - 4000	69 - 275
9941	0 - 25	0 - 95	1000 - 4000	69 - 275
890711	0 - 50	0 - 190	1000 - 6000	69 - 410
890710	0 - 100	0 - 378	1000 - 1500	69 - 103



7595

Accessories

Pressure Guages

Bottom-mount Models

Model	Max psi	bar	Fitting	Port
6086	1500	103	Brass	1/4" NPT(M)
6088	3000	207	Brass	1/4" NPT(M)
6085	1500	103	316 Stainless	1/4" NPT(M)
6097	3000	207	316 Stainless	1/4" NPT(M)



6088

Misting Nozzles

Leak-Free Check Valve, Inline Screen

Model	Diameter (mm)	Inlet Port	Max. Pressure		Flow, 1000 psi (69 bar)	
			psi	bar	gpm	lpm
31943	0.25	1/4" NPT(M)	1000	69	0.025	0.08
31944	0.3	1/4" NPT(M)	1000	69	0.055	0.2
31945	0.5	1/4" NPT(M)	1000	69	0.08	0.3



31943, 31944, 31945

Pulsation Dampeners

316 SS Fitting with Carbon Steel Body, Sealed, Fixed Precharge

Model	Max Flow		Pressure Range		Bladder Material	Volume Cubic Inches	Precharge psi
	gpm	lpm	psi	bar			
6026	15	57	300 - 600	20 - 41	NBR	10	250
6028	15	57	600 - 1000	41 - 69	NBR	10	450



6028

316 SS Fitting with Carbon Steel Body, Adjustable Precharge, Rechargeable

6029	15	57	100 - 3000	6.9 - 207	NBR	10	450
6010	40	151	100 - 3000	6.9 - 207	NBR	45	450
6012	70	265	100 - 1500	6.9 - 103	NBR	120	450

Note: Optimal pre-charge should be preset to 50% of operating pressure. To change pre-charge, add .800 to part number and specify pre-charge.



6010

316 Stainless Steel Fitting and Body, Adjustable Precharge, Rechargeable

6031	15	57	100 - 2400	6.9 - 168	NBR	10	450
6014	25	95	100 - 2400	6.9 - 168	NBR	20	450
6013	40	151	100 - 2000	6.9 - 138	FPM	45	450
6015	70	265	100 - 1500	6.9 - 103	NBR	120	450

Note: Optimal pre-charge should be preset to 50% of operating pressure. To change pre-charge, add .800 to part number and specify pre-charge.



6031

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