



# Truck Mount Cleaning Equipment

Longest Lasting High-Pressure Pumps and Accessories



Product Quality, Reliability and Support You Expect

[www.catpumps.com](http://www.catpumps.com)



# Cat Pumps – the Best Choice for Your Business

## Quality that keeps your equipment running

One of the most critical components in a truck mount system is the pump. Because the pump sees system pressures and works with a variety of fluids, it has a tough job to do. Specifying the best pump for the application is vital to long trouble-free service. That's where Cat Pumps comes into play.

Our commitment to produce the highest-quality, longest lasting products available is supported by maintaining a rigorous zero defect quality assurance program to guarantee consistently high-quality products — every time.

### Cat Pumps Benefits:

- Jobs done on schedule with less downtime
- Fewer repairs for reduced maintenance costs
- Fast turnaround for parts & pumps – 24 hour shipping

## Engineering and Technical Support

Cat Pumps offers engineering and technical support for product selection, installation, maintenance, pump repair, troubleshooting and custom designed systems. Live Support available M-F, 8:00 a.m. to 5:00 p.m CST, 763-780-5440 and at [techsupport@catpumps.com](mailto:techsupport@catpumps.com). Product service videos located at [www.catpumps.com](http://www.catpumps.com)



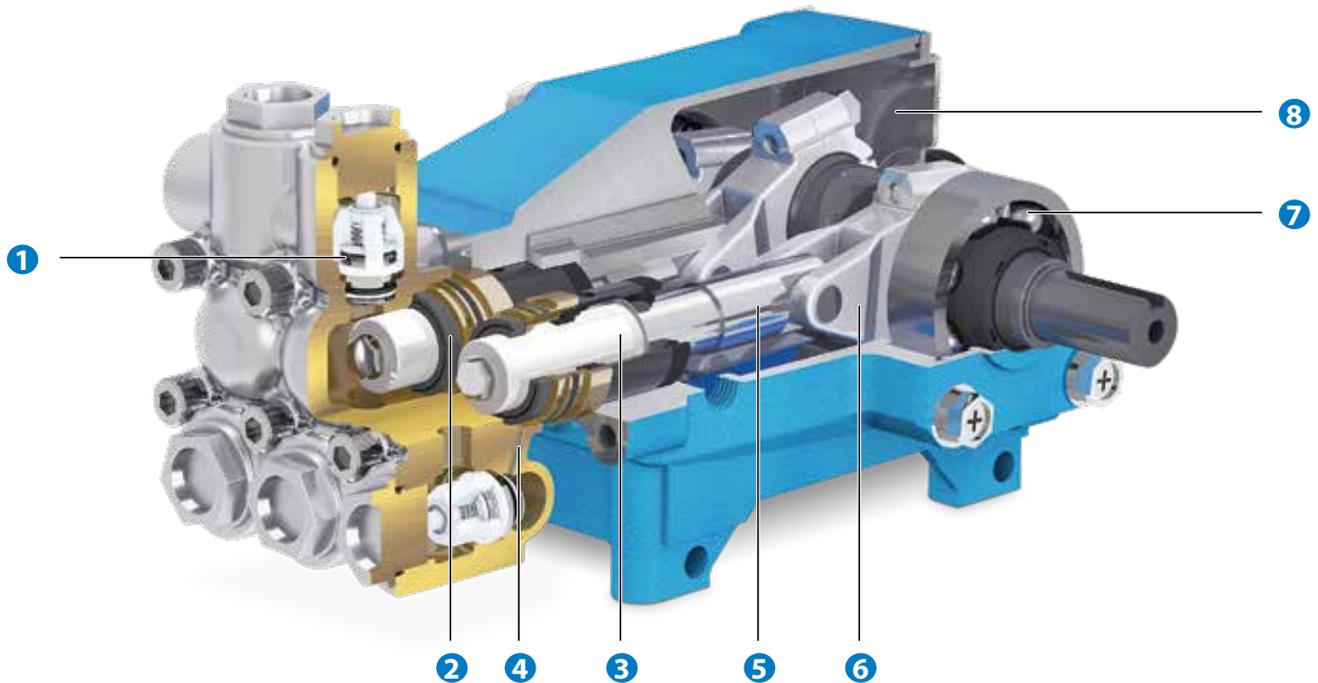
## Readily Available – Off the Shelf

In addition to receiving the highest quality products available, Cat Pumps customers also benefit with the following:

- Pumps and repair parts are stock items
- Quick response with 95% of orders ship within 24 hours
- Worldwide sales and service channel stocking genuine Cat Pumps products

# Built for Dependable Performance

Quality is evident in every detail of Cat Pumps products — built to be the longest-lasting and most dependable available.



- 1 Stainless steel valves, seats and springs provide corrosion-resistance, positive seating and long life.
- 2 Specially formulated, Cat Pumps exclusive high-pressure seals offer unmatched performance and seal life.
- 3 Precision-polished, solid ceramic plungers provide maximum resistance to corrosion and abrasion, extending seal life.
- 4 100% wet seal design adds to service life by allowing pumped fluids to cool and lubricate the elastomers on both sides.
- 5 The high-strength stainless steel plunger rods have a 360° supported crosshead providing uncompromising plunger rod alignment.
- 6 Matched oversized connecting rods are made of high-strength material with exceptional bearing quality.
- 7 Oversized ball bearings or tapered roller bearings provide extended bearing life.
- 8 High-strength, lightweight die cast aluminum crankcase with splash oil design allows operation at speeds as low as 100 rpm.

# Plunger Pumps

## Standard

### SOLID SHAFT, BRASS MANIFOLD



Model 3CP1120

PUMP MODEL	MAXIMUM FLOW		MAXIMUM PRESSURE		RPM	SHAFT	POWER	
	gpm	lpm	psi	bar			hp	kW
3CP1130	2.4	9.1	2200	138	1725	16.5 mm	3.6	2.7
3CP1140	3.6	13.7	2200	152	1725	16.5 mm	5.4	4.0
5CP2120W	4.0	15.2	2500	172	950	20 mm	6.8	5.1
5CP2140WCS	4.0	15.2	2500	172	1725	20 mm	6.8	5.1
3CP1120	4.2	16.0	2200	152	1725	16.5 mm	6.3	4.7
5CP2150W	5.0	19.0	2000	138	1725	20 mm	6.8	5.1
5CP5120	5.0	19.0	3000	207	1415	20 mm	10.3	7.6
5CP5140CSS	5.5	20.9	3500	241	1500	20 mm	13.2	9.8

## "B" Series Washout Resistant Manifolds

The "B" Series was developed for applications where persistent manifold washout problems exist. Field proven in the most demanding truck mounts for significant improvement in pump service life.

- Superior corrosion-resistant alloy.
- Chrome-plated finish provides wear and discoloration protection.

### B SERIES, SOLID SHAFT, SPECIAL BRASS MANIFOLD



Model 5CP2120B

PUMP MODEL	MAXIMUM FLOW		MAXIMUM PRESSURE		RPM	SHAFT	POWER	
	gpm	lpm	psi	bar			hp	kW
5CP2120B	4.0	15.2	2500	172	950	20 mm	6.8	5.1
5CP2140BCS	4.0	15.2	2500	172	1725	20 mm	6.8	5.1
5CP2150B	5.0	19.0	2000	138	1725	20 mm	6.8	5.1

## .3000 Series Pumps

### 180° F / 82° C, High-Temperature

The ".3000" series has high pressure seal/V-Packing modified to handle temperatures up to 180° F / 82° C. These seals are a two part construction of PTFE blend with a stainless steel backing for added strength and support at high temperatures. Ordering this configuration requires adding ".3000" to the base model.

## .3400 Series Pumps

### 200° F / 93° C, High-Temperature and Intermittent Run-Dry

The ".3400" series plunger pumps starts with the same high pressure seal/V-Packing modification as the ".3000" series" and changes the low pressure seal to a special PTFE high temperature material. Ordering this configuration requires adding ".3400" to the base model. The special blend seal materials allow the pump to run dry intermittently without damaging the seals.

# Piston Pumps

## PISTON PUMPS, SOLID SHAFT, BRASS MANIFOLD

Belt Drive

PUMP MODEL	MAXIMUM FLOW		MAXIMUM PRESSURE		RPM	SHAFT	POWER	
	gpm	lpm	psi	bar			hp	kW
280	3.0	11.4	1000	69	1330	16.5 mm	2.1	1.5
290	3.5	13.3	1200	83	1200	16.5 mm	2.9	2.1
430	5.0	19.0	1000	69	1040	16.5 mm	3.4	2.5



Model 280

## Accessories

### Unloaders

Typically used with trigger gun applications.

- Reduces load on pump and motor when in bypass.
- Wide pressure and flow range models available.

MODEL	FLOW RANGE		PRESSURE RANGE		PORTS	
	gpm	lpm	psi	bar	Inlet/Discharge	Bypass

#### BRASS MODELS (Pressure Sensitive)

7580	0.5 - 6.5	1.9 - 25	400 - 1000	28 - 69	3/8" NPT(M)	3/8" NPT(F)
7581	0.5 - 6.5	1.9 - 25	800 - 2300	55 - 158	3/8" NPT(M)	3/8" NPT(F)
7582*	0.5 - 8.0	1.9 - 30	100 - 1000	6.9 - 69	3/8" NPT(M)	3/8" NPT(F)
7583*	0.5 - 8.0	1.9 - 30	100 - 2000	6.9 - 138	3/8" NPT(M)	3/8" NPT(F)
7693	2.5 - 10.5	9.5 - 40	230 - 2300	16 - 60	3/8" NPT(F)	3/8" NPT(F)
7694	2.5 - 10.5	9.5 - 40	400 - 4050	28 - 280	3/8" NPT(F)	3/8" NPT(F)

\*Panel mount brackets available.



7693

### Pressure Gauges

Accurately monitors pump outlet pressure.

- Glycerine filled for consistent and accurate pressure readings.
- Sealed stainless steel case eliminates corrosion risk.

MODEL	PRESSURE RANGE		MAXIMUM TEMPERATURE (°F)	PORTS Inlet
	psi	bar		

#### BRASS MODELS (Brass Fitting and Bourdon Tube, 304 SS Case)

6086	0 - 1500	0 - 103	140	1/4" NPT(M)
6088	0 - 3000	0 - 207	140	1/4" NPT(M)
6089	0 - 6000	0 - 415	140	1/4" NPT(M)



6086

# Accessories (continued)

## Pop-Off Valves

**Economical, secondary pressure relief protection.**

- Opens when system exceeds preset pressure.
- Lightweight, compact design quickly and conveniently mounts directly into discharge line.
- Ultra compact models for portable systems.



30960

MODEL	MAXIMUM FLOW		PRESSURE RANGE		MAX. RELIEF SETTING		PORTS	
	gpm	lpm	psi	bar	psi	bar	Inlet/Discharge	Bypass

### BRASS MODELS

30960	6.0	23	300 - 1500	20 - 103	1650	114	1/4" NPT(M)	3/4" Barb
33960	6.0	23	300 - 1500	20 - 103	1650	114	3/8" NPT(M)	3/4" Barb
33961	6.0	23	1000 - 4000	6.9 - 275	4400	303	1/4" NPT(M)	3/4" Barb
33962	6.0	23	1000 - 4000	6.9 - 275	4400	303	3/8" NPT(M)	3/4" Barb

## Clutches

**Engages/disengages pump and drive device to meet flow demands.**

- Reduces amount of time pump is running, saving energy and increasing pump life.
- Broad range of clutches up to 100 ft-lbs torque for high performance.



34965

MODELS	CLUTCH DIAMETER/ NUMBER OF GROOVES	BELT TYPE	PUMP SHAFT DIAMETER	PUMP MODELS
34960	7" / 1	A	16.5 mm	3CP1120, 3CP1130, 3CP1140
34965	7" / 2	A	16.5 mm	3CP1120, 3CP1130, 3CP1140
34970	7" / 1	A	20.0 mm	5CP2120W-2150W, 5120-5140CSS
34980	7" / 2	A	20.0 mm	5CP2120W-2150W, 5120-5140CSS
76970	10" / 2	B	20.0 mm	5CP2120W-2150W, 5120-5140CSS

## Thermal Valves

**Reduces heat build-up in a closed-loop bypass system.**

- Lightweight with three port size options for easy installation.
- Recommended when by-pass is redirected to pump inlet.



7142

MODEL	MAXIMUM FLOW		MAXIMUM PRESSURE		TEMPERATURE MAX (°F)	PORTS	
	gpm	lpm	psi	bar		Inlet	Bleed
7140	25	95	125	8.6	145	1/4" NPT(M)	1/8" NPT(F)
7141	25	95	125	8.6	145	3/8" NPT(M)	1/8" NPT(F)
7142	25	95	125	8.6	145	1/2" NPT(M)	1/8" NPT(F)
7143	25	95	125	8.6	165	1/4" NPT(M)	1/8" NPT(F)
7144	25	95	125	8.6	165	3/8" NPT(M)	1/8" NPT(F)
7145	25	95	125	8.6	165	1/2" NPT(M)	1/8" NPT(F)
7170	25	95	125	8.6	180	1/4" NPT(M)	1/8" NPT(F)
7171	25	95	125	8.6	180	3/8" NPT(M)	1/8" NPT(F)
7172	25	95	125	8.6	180	1/2" NPT(M)	1/8" NPT(F)
7175	25	95	125	8.6	190	1/4" NPT(M)	1/8" NPT(F)
7176	25	95	125	8.6	190	3/8" NPT(M)	1/8" NPT(F)
7177	25	95	125	8.6	190	1/2" NPT(M)	1/8" NPT(F)

# Pulsation Dampeners

Used to reduce system pressure fluctuation.

- Pressurized bladder absorbs impact from pressure spikes.
- Most models are field repairable and rechargeable.

MODEL	MAXIMUM FLOW		PRESSURE RANGE		BLADDER Material	VOLUME Cubic Inches	PRECHARGE psi	PORT Inlet
	gpm	lpm	psi	bar				

## CARBON STEEL, RECHARGEABLE

6029	15	57	100 - 3000	6.9 - 207	NBR	10	450	1/2" NPT(M)
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## CARBON STEEL, SEALED

6026	15	57	300 - 600	20 - 41	NBR	10	250	1/2" NPT(M)
6028	15	57	600 - 1000	41 - 69	NBR	10	450	1/2" NPT(M)



6029

# Pulse Pump

High-pressure injection downstream from the pump.

- Eliminates harsh chemicals passing through pump.
- Longest-lasting, easy-to-service and higher injection rate.

MODEL	FLOW RANGE		PRESSURE RANGE		PORTS	
	gph	lph	psi	bar	Inlet	Discharge
6340	5.5 - 10.5	20.8 - 39.7	500 - 2000	35 - 138	1/8" NPT(F)	1/8" NPT(F)

Note: Contact Cat Pumps for selection of Adapter Kit to fit your pump model.



# Adjustable Thermostat

Adjustable panel-mounted thermostat for convenient temperature control.

- UL/CSA approved.
- Copper bulb sensing element.
- Easy installation adjustment.

MODEL	MAX. PRESSURE		TEMPERATURE RANGE	ELECTRIC RATING AC
	psi	bar		
76239	4000	275	86° F – 302° F	120VAC-20A 240VAC-20A 120/240VAC-1/4 Hp



## ABOUT CAT PUMPS

## Proven Quality, Customer Focused

Cat Pumps is the world leader in the design, manufacture and marketing of the most dependable high-pressure positive displacement reciprocating triplex pumps and systems in the market. Our mission to exceed customer expectations for quality, reliability, availability, delivery, technical expertise and aftermarket support to assure the best value in all the industries served.

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