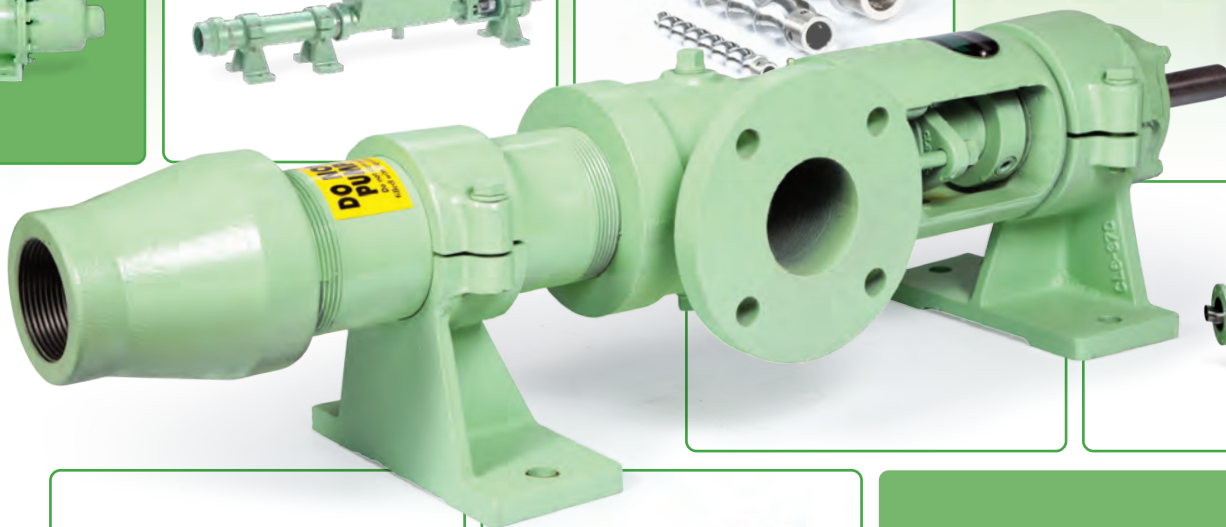


CONTINENTAL

PROGRESSIVE CAVITY PUMPS

QUALITY FROM START TO FINISH



CONTINENTAL[®]
PROGRESSING CAVITY
ULTRAPUMP

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QUALITY FROM START TO FINISH

EXPERIENCE

PRODUCTS

PEOPLE



CM Model



Our experience and knowledge — along with our broad product line, short lead times, and additional features and services — make Continental Pump the company you can rely on for your progressive cavity pump needs.

Experience

We offer a complete line of Progressive Cavity Pumps for the commercial industries, wastewater and numerous other markets. Our goal is to offer quality products and services at a competitive price. Our success is supported by a long standing relationship to quality, a service oriented sales staff, a facility housing thousands of parts and pumps, and a commitment to helping our valued distributors and customers. We strive to keep you informed by providing all the materials and knowledge we have to offer through our staff, engineers and website. Continental Pump Company has grown its distributorship from a small handful to over 300 distributors in North America, Canada and overseas. So, no matter your location we have a wide network to handle your needs.

We pride ourselves in the manufacturing and delivery of our pumps and parts. We sell to our distributors and Original Equipment Manufacturers, in addition to contractors and utility and municipal plants.

Progressive cavity pumps are most commonly used in these industries: gas and oil, mining and industrial wastes with by-products but are very versatile. They are the perfect pumps for: abrasives, transferring, circulating, metering, pastes, slurries, sludge, wastewater, sewage and more.

With a variety of models to choose from Continental Progressive Cavity Pumps are the solution to handling many types of fluids.



THE PERFECT PUMP FOR:		
• Transferring	• Circulating	• Metering
• Filling	• Irrigating	• Sludge
• Spraying	• Sampling	• Abrasives
• Cementing	• Caulking	• Mixing
• Aerating	• Pastes	• Slurries
• Cleaning	• Wastewater	• Sewage
• Viscous Products	• Industrial Waste	





Continental Progressive

Cavity Pumps have been time tested with proven unique characteristics that excel in performance unlike other types of Pumps. They are built from various materials and come in many sizes with capacities from less than 1 GPM to 2400 GPM and pressures up to 780 PSI.



MATERIALS OF CONSTRUCTION

All Continental Pump casting materials are Class 40# grey cast iron and CF8M (316) stainless steel. The best metal for your application would depend on the corrosiveness of your liquid. We offer an epoxy coating for an additional charge and can be applied to the suction housing and reducer. The epoxy seals the cast iron from the material being pumped.

Stators are available in several types of elastomers. The most common rubber materials are: Buna Nitrile (Q), Natural Rubber (R), EPDM (B), High Nitrile (HNBR) and Viton® (F). The rubber that is best for your application depends on what liquid you are pumping and the temperature, as it plays a vital role in which to select.

Maximum allowable temperatures for stators: EPDM 300°F, Viton® 400°F, Buna Nitrile 220°F, Natural Rubber 175°F and High Nitrile 300°F.

The rotors are available in chrome plated alloy steel and stainless steel, but is dependent on the pH level and if your liquid is corrosive. In certain pH levels, a non-plated rotor may be needed as it could lift the chrome off of the rotor.

When Carbon 'D' rotors are used the drive shaft and connecting rod will be Chrome-Plated Carbon Steel (CS). When Stainless 'S' rotors are used the drive shaft and connecting rod will be Chrome-Plated Stainless Steel (S).

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Products

PUMPS

Our **Rigid Stator** Pump Line consist of our CL, CM, CG, CJ and CK 2000 Series Models. Based on your piping situation the suction housing can be rotated from 90° to 270° upon request.

The **CL** and **CJ Models** are suitable for a wide variety of applications and are the most frequently used. When properly applied they give excellent long life performance at the most economical cost.

The **CM Model** is similar to the CL Model, except has a larger drive head to handle the increased horsepower that is needed to produce the higher pressures that can be developed by these pumps.

Our **Crown Gear Joint** Pumps consist of our CG and CK 2000 Series Models. These model's suction housing can also be rotated from 90° to 270° upon request.

The **CG and CK 2000 Series Models** are designed to handle the heavier applications of sewage, industrial waste, polluted liquids and slurries. Incorporated into this more rugged pump is a drive train using crown gear joint connections to the rotor and drive shaft.

Our **Wobble Stator** Pump Line consist of our CP, CPM and CPML Models. These models are available with horizontal or vertical suctions based on your piping or space limitations.

The **CP Model**, also known as a bare shaft pump, operates with low costs and are compact making them ideal for light duty use.

The **CPM Model** is similar to the CP Model, except it is a close-coupled type pump that is driven by a Continental spec. motor that is directly bolted to the pump.

The **CPML Model** is similar to the CPM Model, except it is driven by a standard motor attached by a specific motor coupling for different drive arrangements.



CPML Pump
End Kit



Component Seal



CL Model
With Rotated Housing



CK 2000 Series Model™

All Moyno® Parts, models and identification numbers are listed for reference purposes only. Continental Pump Co, Inc. is not affiliated with or a representative of neither Moyno® nor its parent company.

People/Service

Get personal interaction every time you call.

Since 1946, the driving force behind Continental Pump Company has been the ability to build relationships and adapt to customer's needs. This is evident in every aspect of the company from it's knowledgeable sales and service staff to it's product engineers.

We offer extensive service

We stand behind our distributors. Continental Pump is centrally located. Our location provides our distributors with economical and quick delivery transit times to anywhere in the US. We have dedicated ourselves to provide quality pumps and parts with unmatched delivery. We have been able to do this by striving to build our inventory to support you, our customer. Our sales staff is always ready to help assist in sizing the best pump for your application, as well as quick replies on part and pump quotes so you can get the job. Continental Pump has a full in-house service department to handle all your repair needs.



Continental pump manufactures the CG Model that is equivalent to the discontinued Moyno® Centennial SWG Series.

We offer:

1. CK 2000 Series Model™ pumps and parts
2. CJ Hopper style pumps
3. Pre-assembled drive ends
4. Pump end kits for our CPML Model
5. Pump rebuild kits for our Wobble Stator pumps
6. Continental pumps are interchangeable with other progressive cavity brands
7. Vast inventory of parts readily available to support our pump line
8. Quality OEM parts
9. In stock orders ship same day

We also offer:

1. Abrasive resistant seals
2. Stator barriers
3. Epoxy coating
4. Complete base units

We provide detailed support

Our knowledgeable and experienced sales and engineering force offers detailed technical support that is backed by our full product line.

No time for down time?

Ask about our expedited service. We are centrally located in the USA for prompt domestic shipments.

PARTS

Continental Pump provides replacement parts for some of the most common progressive cavity pump manufacturers. With growing relationships with other pump manufacturers, we offer other types of replacement pumps and parts.

Connecting Rod Kits

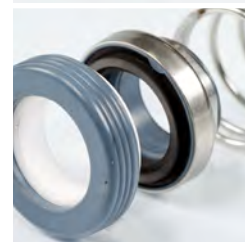
Connecting Rods are used in our standard CL and CM models. The kits are available in either carbon steel or stainless steel components as well as connecting rod washers of Buna Nitrile, EPDM, Natural Rubber or Viton®.



CP “Wobble Stator” Pump Rebuild Kits

Continental CP, CPM and CPML model rebuild kits are offered in 3 different types of elastomers: Buna Nitrile, EPDM, Viton® and stainless steel metal components. Other options consist of mechanical seal or packed seal and pinned or threaded flex joint, drive shaft and rotor.

A stator barrier is a great option for negative vacuum applications in our Wobble Stator pumps.



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Gear Joint Kits

Continental CG Model and CK 2000 Series pumps have a more unique drive train which uses two crown gear joint connections for these rugged pumps. It consists of a splined connecting rod with a ball and ring gear, along with front and rear thrust plates which help make a very strong connection between the rotor and driveshaft.

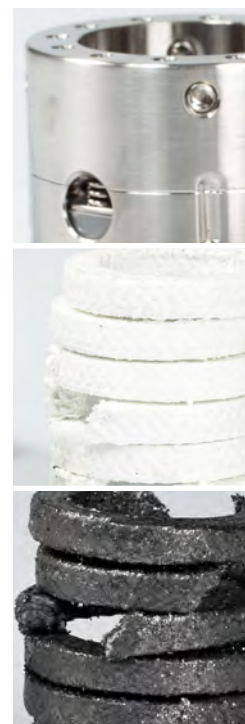


Sealing Options

Whether it is application based or personal preference Continental can provide you with many options.

- Component Mechanical Seal and Stainless Steel Gland
- Cartridge Mechanical Seals
- Standard Type 21 Seals
- Graphite and Teflon Packing Sets

Upgrade your mechanical seal to a hard-faced seal (A/R) for abrasive applications.



CUSTOM PUMPS



**CP pump base unit with
drip rail, packed seal and
gas motor**



CP pump with air motor



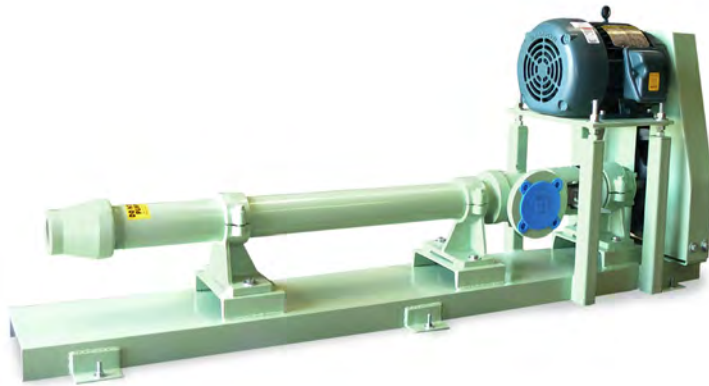
**CP inline base unit with
hydraulic motor**

**CJ hopper inline
base unit with gear
reduction and motor**



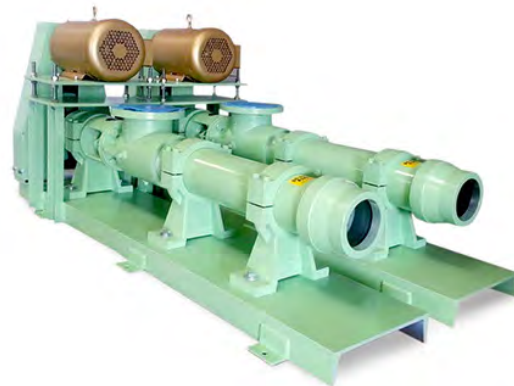
CUSTOM PUMPS

CG inline base unit with suction housing cleanouts, gear reduction and motor



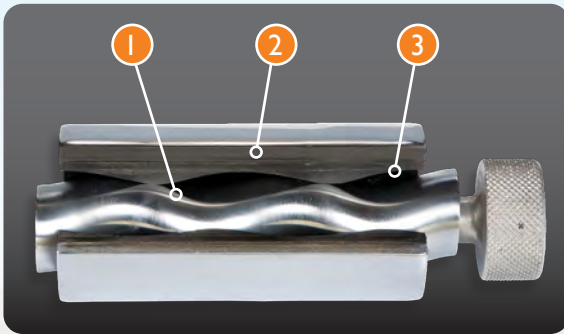
CM piggy back base unit driven with a V-Belt and suction has been rotated to 270°

CL inline base unit with gear reduction and motor



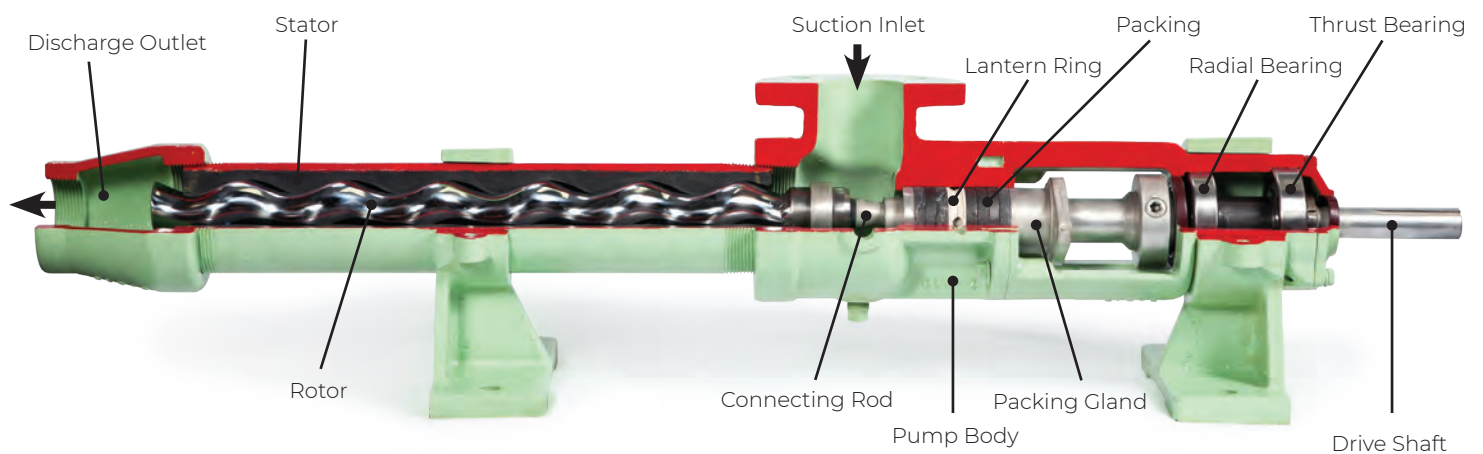
CL piggy back base unit driven with a V-Belt

HOW THEY WORK



- 1 Rotor turns within the flexible rubber stator**
- 2 Tightly sealed cavities are formed**
- 3 Forces materials to the discharge port**

Pumping action begins when the rotor turns. Liquid acts as a lubricant.



CHOOSING THE RIGHT PUMP

Progressive Cavity Pumps have similar characteristics to rotary or reciprocating pumps, such as piston, diaphragm, lobe, and screw pumps. The one common feature being the sealed cavities with operational similarities like being able to pump at extremely low rates, to even high pressures.

The similarity between other pumps and progressive cavity pumps generally ends there. Of all the types of pumps available, progressive cavity pumps are able to handle a wider range of fluid viscosities and properties than any other type of pump. The unique design of the pump makes them useful for a variety of pumping applications, such as transferring and metering while handling shear sensitive, abrasive and viscous fluids.

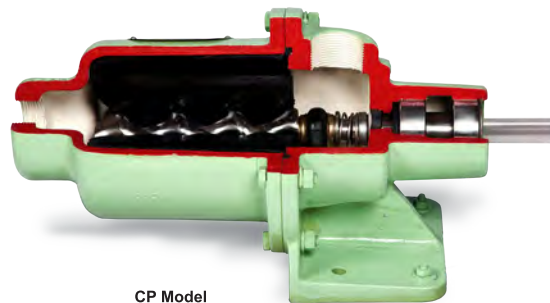
The Rotor seals tightly against the flexible rubber inside the stator as it rotates, forming tightly sealed cavities which carry the liquid diagonally toward the discharge

port. The liquid does not change in shape or size when pumped due to the tightly sealed cavities. The effect of the progressive cavity design is that the fluid is moved at a very predictable and steady rate. Positive displacement

of the pump starts the instant the Rotor turns. **The liquid acts as the lubricant between the pumping elements and should not be ran dry.**

The reason Progressive Cavity pumps are used is because they are durable with only

one moving part, rated for longevity. In operation our pumps are primarily a fixed flow rate pump and offers long life and reliable service transporting thick, viscous fluids. Abrasive fluids can shorten the life of the stator, but by slowing down the RPM's will help reduce wear. Slurries can also be pumped reliably if the slurry is viscous enough to maintain a lubrication layer around the particles and protect the stator.



CP Model



CL Model

CHOOSING THE RIGHT PUMP

We offer a variety of options for our pumps, such as:

Vertical and rotated suctions are used if the piping is different and our normal horizontal pumps are not needed. The vertical suction is available for our CP, CPM and CPML Models and the rotated suction is available for our CL, CM, CG and CK 2000 Series models.

Close-coupled is an option when both a pump and motor are needed. This combines the pump and motor together.

A **V-Belt** is a pulley-type system that is driven by an electric or gas motor.

A **gas engine** is an option when a portable unit is needed.

We offer **hydraulic adapter** units when hydraulics are the source of power to drive the pump.

The **complete base unit** includes pump, gearbox, motor, and steel base, which we can build to your particular specifications.

A **gearbox** is required to control the maximum RPM of the pump. It also provides added torque at low start up speeds.

VFD or **Variable Frequency Drive**, is an option to control the pump at various speeds.

The most common types of **motors** offered are: general purpose, explosion proof, inverter duty, severe duty, wash down, and single or three-phase. Contact us for more types that are available.

Looking for simplicity?

We offer complete progressive cavity pump units.

They are constructed on a steel base to fit your specific application needs. The unit consists of a pump, a steel base and guard, a gear reducer and motor. Also available are belt drive units, VFDs and many other base options.

Space Challenged?

If you are needing a different arrangement from traditional piping, we can rotate the housing up to 270° for the CL, CM, CG and CK 2000 Series model pumps, or we can build piggyback or L-Frame base unit.

Don't need a complete pumping unit but looking for drive options?

We can still help, whether attached to a pump or sold separately we can supply you with hydraulic adapters, VFD's, gearboxes, couplings, custom guards and motors.



CG Model

THE 7 KEY ADVANTAGES OF PROGRESSIVE CAVITY PUMPS

Positive Displacement

This occurs at the turning of the rotor which develops a positive pumping action similar to a piston moving through a cylinder. The pump pressure developed does not depend upon the speed of the rotating rotor. The capacity of the pump, the approximate viscosity, and pressure can be projected for particular operating conditions.

Uniform Discharge Flow

Fluids are uniformly discharged without pulsation in a constant steady flow. Displacement remains the same with each revolution of the rotor permitting accurate and predictable metering relative to the fluid being pumped. Due to the unique flow characteristics, these pumps are well suited for low-shear applications.

Internal Velocity of Fluids

When the pump is in process, all fluids are pumped with a minimum amount of turbulence, agitation, pulsation or separation disturbance.

Self-Priming

Pumping action starts at the time the rotor is turned and it is capable of **28 feet of suction lift based on water**. The liquid being pumped acts as a lubricant between the rotor and stator, and forms a continuous seal to create good suction and discharge capabilities.

Do Not Run Dry.

Solids in Suspension

Solid particles over a wide range of size and shapes, as large as 2 inches in diameter, are pumped with no difficulty.

Reversible

Our pumps can be operated clockwise or counter-clockwise with effective performance in most installations. Contact us to see if your application is suitable for reverse operation.

Installation

Our pumps can be purchased separately or built into complete units. These units can be mounted on welded steel bases with flexible couplings, v belts, gearbox reducers, or hydraulic motor adapters. If variable speed drives are needed the units can be driven by either electric motors, gasoline engines, diesel engines or air motors. Our pumps can also be mounted horizontally or vertically and the suction port can be rotated up to 270 ° position for appropriate entry of the liquid.



CPML Model

PUMP SELECTION GUIDE

Understanding the pump terminology helps to properly select the best performing Continental Progressive Cavity Pump to fit your pumping needs. Here are a few things you should know:

The **Capacity or Volume** is the rate of flow in Gallons Per Minute or GPM.

Pressure is determined by how much is required to move the liquid that is being pumped through the piping system and the kind of liquid being handled. The difference between the pressure required at the pump discharge and the pressure being introduced into the pump suction is the differential pressure and is expressed as Pounds per Square Inch or PSI.

Viscosity is the resistance to flow as expressed by various scales of measurement; however, the most commonly used is centipoise. The viscosity usually changes with temperature and should always be considered.

Temperature refers to the maximum and minimum temperatures at which the fluid is to be pumped. This is a highly important factor in pump selection.

High temperatures can cause distortion and swelling of the stator materials and low temperatures can affect viscosity that reflects in flow characteristics and horsepower requirements.

Operating time or the operating cycle of the pump should also be considered; whether the pump is to run continuously or intermittently can be a factor in the selection of the drive.

Corrosion depends on whether the fluid being pumped is neutral, acid or alkaline. All should be considered when selecting the proper materials of pump construction. The pH value of the fluid should be known or determined. A pH of 7 is neutral, below 7 is acid and above 7 is alkaline.

Abrasion: The abrasive properties of the fluid to be pumped should be classified. Abrasives can look alike and appear to have similar properties; however, they can wear differently. You must classify the fluid in order to select the proper pump construction and operating speed. These 4 classifications will serve as a guide and help in the determination of the necessary materials needed in the pump construction:

NO ABRASIVES

Example: Clear Water, Gasoline, Fuel Oil, Lubricating Oil.

LIGHT ABRASIVES

Example: Dirty Water containing Silt and/or small amounts of Sand or Earth.

MEDIUM ABRASIVES

Example: Clay Slurries, Potters Glazes, Porcelain Enamel, Frit, Sludge, Wood Dust in Water.

HEAVY ABRASIVES

Example: Slurries containing large amounts of Sand, Emery Dust, Lapping Compounds, Mill Scale, Plaster, Grout, Roof Gypsum.

PUMP FAILURE IS A POSSIBILITY IF INACCURATE PUMP APPLICATION INFORMATION IS GIVEN.

The various materials used in the manufacturing of **Continental Pumps** allows our pumps to handle almost any fluid.



*If it will push through pipe, you can pump it with **Continental Progressive Cavity Pumps**.* Whether it be acidic, abrasive or viscous, we can help you with your application needs.

Please see the compatibility chart on the following pages for a few of the liquids that can be handled by our progressive cavity pumps. Your liquid not listed? Please contact us for assistance.

LIQUID COMPATIBILITY

PUMP NOMENCLATURE

2CL4 - CDQ
 1 2 3 4 5 6

- (1): Indicates the number of stages for the rotor and stator
 (2): Indicates the pump model designation (CL, CM, CG, CJ Model)
 (3): Indicates the frame size
 (4): Indicates the pump body casting material
 (5): Indicates the rotor and internal parts material
 (6): Indicates the stator material

PART	LETTER	MATERIAL
Pump Body	C	Cast Iron
	S	Stainless Steel (CS8M)
Rotor	D	Chrome Plated Alloy Steel
	S	Chrome Plated Stainless Steel
Stator	B	Butyl/EPDM Rubber
	F	Viton® Rubber
	Q	Buna Nitrile Rubber
	R	Natural Rubber
	Y	High Nitrile

Materials used in the construction of the pumps are based on the fluid to be handled and are indicated in the model number nomenclature. The chart to the right shows a list of liquids and the compatible materials recommended for the pump body, the rotor and stator.

LIQUID COMPATIBILITY CHART

LIQUID	PUMP BODY		ROTOR		STATOR			
Acetic Acid (cold dilute)		S		S*	B		Q	R
Acetone	C	S	D	S	B			
Acid Mine Water	C			S			Q	R
Alcohol, Ethyl (grain)	C		D				Q	R
Alcohol, Methyl (wood)	C		D				Q	R
Alum (paper mill)		S		S	B	F	Q	R
Aluminum Hydroxide	C		D				Q	R
Aluminum Sulfate		S		S	B	F	Q	R
Ammonium Bicarbonate	C	S	D	S	B			R
Ammonium Chloride		S		S*	B		Q	R
Ammonium Phosphate	C	S	D	S	B		Q	R
Ammonium Nitrate	C	S	D	S	B		Q	R
Ammonium Sulfate	C	S		S*	B		Q	R
Aromatic Hydrocarbons	C	S	D	S		F		
Asphalt	C	S	D	S		F		
Barium Chloride	C	S		S	B	F	Q	R
Barium Hydroxide	C	S	D	S	B	F	Q	R
Barium Nitrate	C	S	D	S			Q	R
Barium Sulfate	C	S	D	S			Q	R
Beer		S		S			Q	R
Beer Wort		S		S				R
Beer Sugar Liquor		S		S	B	F	Q	R
Benzene (coal tar product)	C		D	S		F		
Benzine (petroleum product)	C	S	D			F	Q	
Black Liquor	C	S	D	S		F	Q	
Boiler Feed Water	C		D				Q	
Bordeaux Mixture	C		D				Q	R
Boric Acid		S		S		F	Q	R
Brine, Calcium Chloride	C	S		S*	B	F	Q	R
Brine, Sodium Chloride	C	S		S*	B	F	Q	R
Calcium Chlorate	C	S	D	S		F		
Calcium Chloride	C	S	D	S	B	F	Q	R
Calcium Hypochlorite	C	S		S	B	F		
Calgon (sodium hexametaphosphate)		S		S			Q	R
Carbon Bisulfide	C	S	D	S		F		
Carbon Disulphide	C	S	D	S		F		
Carbonic Acid	C			S			Q	R
Castor Oil	C	S	D	S		F	Q	R
Caustic Potash (lye)	C	S	D	S			Q	R
Caustic Soda (lye)	C	S	D	S	B		Q	R
Caustic Zinc Chloride		S		S			Q	R
China Wood or Tung Oil								
-Drying Oil	C		D				Q	
-Vegetable Oils	C		D				Q	

LIQUID COMPATIBILITY

LIQUID COMPATIBILITY CHART								
LIQUID	PUMP BODY		ROTOR		STATOR			
Chlorinated Hydrocarbons								
-Chloroform		S		S		F		
-Dichloroethylene	C	S	D	S			Q	
-Methyl Chloride	C	S	D	S		F		
-Tri Chloroethylene		S		S		F		
Chromic Acid (diluted)		S		S		F		
Citric Acid		S		S	B	F	Q	R
Clay Slip	C		D			F	Q	R
Copper Nitrate		S		S			Q	R
Copper Sulphate		S		S*		F	Q	R
Copperas		S		S*			Q	R
Corn Oil	C	S	D	S		F	Q	
Cotton Seed Oil	C	S		S		F	Q	
Creosote	C	S	D	S		F	Q	
Cyanide	C		D				Q	R
Cyanide of Potassium	C		D		B	F	Q	R
Diethylene Glycol (alcohol)	C	S	D	S		F	Q	R
Distilled Water or Deionized	C	S		S			Q	R
Distillery Wort	C	S	D	S			Q	R
Epsom Salts	C	S	D	S	B	F	Q	
Ethyl Alcohol	C	S	D	S	B	F		
Fatty Acids	C	S	D	S		F		
Ferric Hydroxide		S		S	B		Q	R
Ferrous Sulphate		S		S*			Q	R
Formaldehyde		S		S		F	Q	
Formic Acid		S		S		F		
Fuel Oils	C	S	D	S		F	Q	
Furural	C	S	D	S	B			
Fusel Oils	C		D				Q	
Gasoline	C		D				Q	
Glucose	C	S	D	S	B	F	Q	R
Glue	C	S	D	S	B	F	Q	R
Glycerine	C	S	D	S	B	F	Q	R
Glycerol	C	S	D	S	B	F	Q	R
Grain Alcohol	C		D				Q	R
Hops	C	S	D	S			Q	R
Hydrocyanic Acid		S		S	B	F		
Hydrogen Peroxide		S		S		F		
Hydrogen Sulfide		S		S	B	F		
Kerosene	C		D				Q	
Lard	C	S	D	S		F	Q	
Lime Water	C		D				Q	R
Linseed Oil	C	S	D	S	B	F	Q	
Lubricating Oils	C		D				Q	
Lye (sodium hydroxide)	C	S	D	S	B	F	Q	R
Magnesium Chloride	C	S	D	S	B	F	Q	R
Magnesium Sulphate	C	S	D	S*	B	F	Q	
Mercury	C	S	D	S			Q	R
Methanol	C	S	D	S	B		Q	R
Methyl Chloride	C		D				Q	R
Milk of Lime	C			S			Q	R
Mine Water	C			S			Q	R
Molasses	C		D	S	B	F	Q	R
Naphtha	C		D				Q	
Nickel Chloride		S		S	B	F	Q	R

LIQUID COMPATIBILITY

LIQUID COMPATIBILITY CHART								
LIQUID	PUMP BODY		ROTOR		STATOR			
Nickel Sulphate		S		S*	B	F	Q	
Oil - Paraffin Base	C		D				Q	
Oil - Vegetable	C		D				Q	
Paints - Water Base	C		D				Q	R
Palmitic Acid	C		D			F	Q	
Phosphoric Acid		S		S		F		
Potassium Carbonate	C		D				Q	R
Potassium Chloride	C		D		B	F	Q	R
Potassium Nitrate	C		D		B	F	Q	R
Potassium Phosphate	C		D				Q	R
Potassium Sulphate	C		D		B	F	Q	
Salammoniac		S		S	B		Q	R
Salt Brine (to 30%)	C	S		S			Q	R
Sea Water	C			S			Q	R
Sewage	C		D				Q	R
Shellac	C		D				Q	
Soap Liquor (thin)	C	S	D	S	B	F	Q	
Sodium Aluminate	C		D		B		Q	R
Sodium Bicarbonate	C			S	B	F	Q	R
Sodium Bisulfite		S		S	B		Q	R
Sodium Carbonate	C			S	B	F	Q	R
Sodium Chloride	C	S		S*	B	F	Q	R
Sodium Hydroxide	C	S	D	S	B		Q	R
Sodium Nitrate	C		D		B			
Sodium Silicate	C		D		B	F	Q	R
Sodium Sulfate		S		S	B	F	Q	
Soy Bean Oil	C		D			F	Q	
Starch	C	S	D	S	B		Q	R
Steric Acid		S	D				Q	
Sugar	C		D				Q	R
Tar	C		D				Q	
Tar & Ammonia in Water	C		D				Q	
Titanium Chloride		S		S		F		
Toluene (toluol)	C		D			F		
Trub Sludge	C		D				Q	R
Turpentine	C		D			F	Q	
Varnish	C		D			F		
Vinegar		S		S*	B	F	Q	
Vitriol - Blue		S		S	B	F	Q	
Vitriol - Green		S		S			Q	R
Waste Water	C		D				Q	R
Whiskey	C	S	D	S			Q	R
Wine		S		S	B		Q	R
Wood Pulp	C		D				Q	R
Yeast		S		S	B		Q	R
Zinc Chloride		S		S*	B	F	Q	R
Zinc Nitrate		S		S			Q	R
Zinc Sulfate		S		S*	B		Q	R

* — Represents non-plated rotor

D — Represents chrome-plated carbon steel rotors with carbon steel (CS) drive shaft and connecting rod.

S — Represents chrome-plated stainless steel rotors with stainless steel (S) drive shaft and connecting rod.

Note - Maximum allowable temperatures for stators: B (EPDM) 300°F, (Viton®) 400°F, Q (Buna Nitrile) 200°F, R (Natural Rubber) 175°F and Y (High Nitrile) 300°F.

MODEL

CP



CP Model



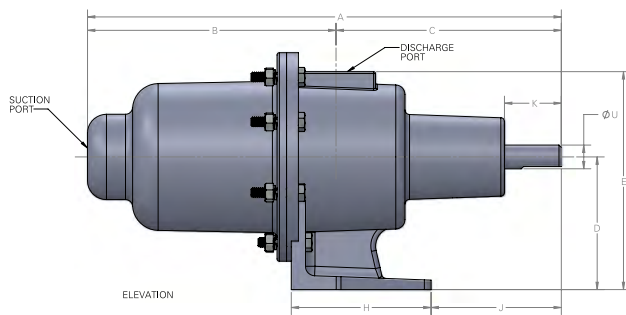
Vertical CP Model

Performance data based on gallons per minute (water at 70°F)

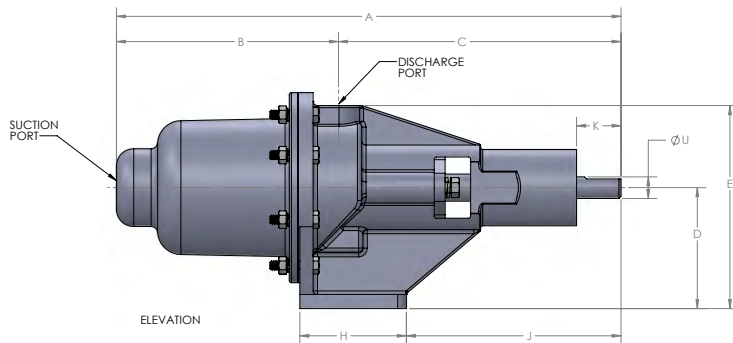
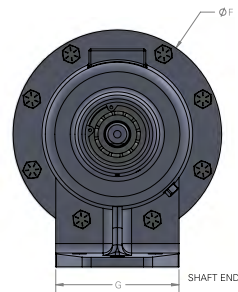
PERFORMANCE DATA - MODEL CP							
PUMP	DIFFERENTIAL PRESSURE	PUMP SPEED					MOTOR HORSE POWER
		1750 RPM	1150 RPM	870 RPM	580 RPM	430 RPM	
CP15	0	1.9	1.3	1.0	0.7	0.5	1/2
	25	1.7	1.0	0.5	0.2	0.1	
	50	1.5	0.9	0.2			
	75	1.2	0.8				
	100	1.0	0.7				
	125	0.8	0.5				
	150	0.6	0.4				
CP22	0	4.9	3.2	2.0	1.6	1.2	1/2
	25	4.1	2.7	2.0	1.3	0.9	
	50	3.4	2.2	1.6	1.0	0.7	
	75	2.6	1.7	1.3	0.8	0.6	
	100	2.0	1.5	1.0	0.6	0.4	
CP33	0	9.4	6.0	4.6	3.1	2.3	1/2
	25	7.0	4.5	3.4	2.3	1.7	
	50	4.2	2.7	2.0	1.3	0.9	
CP44	0	15.0	9.7	7.3	4.9	3.6	3/4
	25	12.0	7.8	5.9	4.0	3.0	
	50	9.4	6.1	4.6	3.1	2.3	
CP56	0	24.0	15.6	11.7	7.9	5.8	1-1/2
	25	22.0	14.3	10.7	7.2	5.3	
	35	20.5	13.3	10.0	6.7	4.9	
	50	19.5	12.7	9.5	6.4	4.1	
CP67	0	53.0	34.5	26.0	17.5	13.0	2
	10	48.0	31.0	23.4	15.8	11.7	
	20	43.0	28.0	21.0	14.0	10.3	
	35	34.0	22.0	16.5	11.0	8.1	
	50	25.0	16.3	12.3	8.3	6.1	

DIMENSIONS AND WEIGHTS - MODEL CP						
PUMPS	DIMENSIONS (INCHES)					
	A	B	C	D	E	
CP15, CP22, CP33, CP44 (horizontal)	12-7/16	6-13/16	5-5/8	3-1/2	5-3/4	
CP56 (horizontal)	16-11/16	9-3/4	6-15/16	4-9/32	7-9/32	
CP67 (horizontal)	19-9/16	11-15/16	7-5/8	4-1/2	8-1/4	
PACKED CP15, CP22, CP33, CP44	14-3/4	6-1/4	8-1/2	3-1/2	5-7/8	
PACKED CP56	18-13/16	9-3/4	9-1/16	4-9/32	7-9/32	
PACKED CP67	22	12	10	4-1/2	8-1/4	
CP15, CP22, CP33, CP44 (vertical)	12-13/16	6-1/16	5-5/8	3-1/2	5-3/4	
CP56 (vertical)	17-7/16	8-5/8	6-15/16	4-9/32	7-9/32	
CP67 (vertical)	20-15/16	11-3/16	7-5/8	4-1/2	8-1/4	

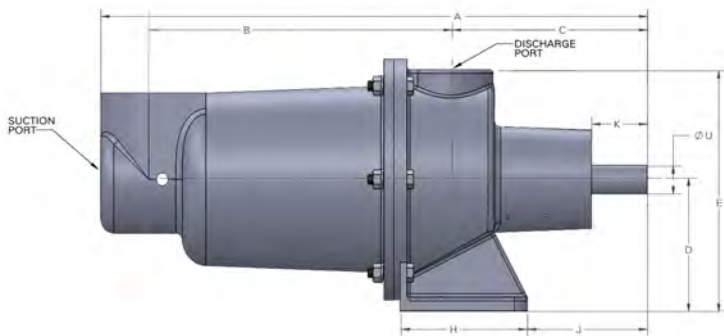
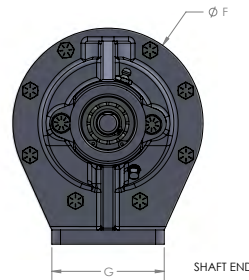
MODEL CP



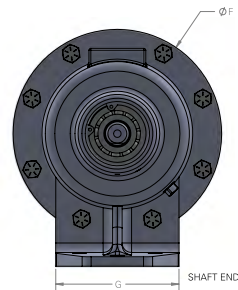
**CP15 - CP22 - CP44 - CP56 - CP67
MECHANICAL SEAL PUMP**



**CP15 - CP22 - CP44 - CP56 - CP67
PACKED SEAL PUMP**



**VERTICAL: CP15 - CP22 - CP44 - CP56 - CP67
MECHANICAL SEAL PUMP**



Model CP pumps are great for low GPM and viscous applications and can pump many different types of materials. It's a low cost pump that is compact with many drive options as well as the availability of horizontal or vertical suction housings.

Continental CP, CPM and CPML Model pumps and parts are interchangeable with many progressing cavity pump brands.

Features and Benefits of Vertical Pumps:

- Offers better flow with flooded suction
- Space-saving construction
- Solution for non-traditional piping configurations

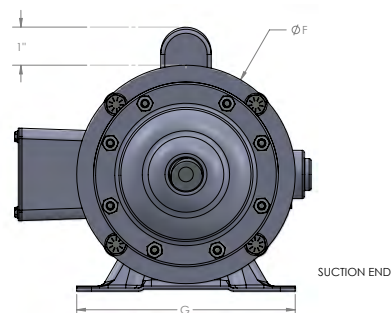
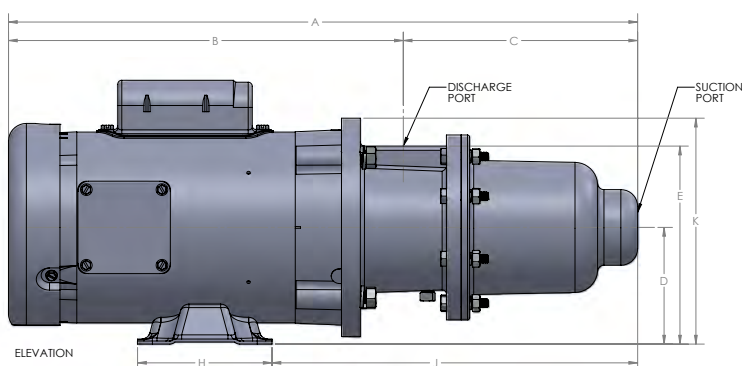
Ø = Diameter

	F	G	H	J	K	U	WEIGHT (LBS)	PORT SIZES	
								INLET SUCTION	OUTLET DISCHARGE
	5-1/2	3-1/4	3-11/16	3-3/8	1-7/16	5/8	15	3/4"	3/4"
	7-1/2	6	4-3/4	3-9/16	2-3/8	3/4	40	1-1/2"	1-1/4"
	8-1/4	6	4-7/8	4-9/16	2-1/8	1	85	2"	2"
	5-1/2	3-1/4	3	6-7/16	1-7/16	5/8	18	3/4"	3/4"
	7-1/2	6	4-3/4	5-11/16	2-3/8	3/4	44	1-1/2"	1-1/4"
	8-1/4	6	4-3/4	7-1/8	2-1/8	1	90	2"	2"
	5-1/2	3-1/4	3-11/16	3-3/8	1-7/16	5/8	15	3/4"	3/4"
	7-1/2	6	4-3/4	3-9/16	2-3/8	3/4	40	1-1/2"	1-1/4"
	8-1/4	6	4-7/8	4-9/16	2-1/8	1	85	2"	2"

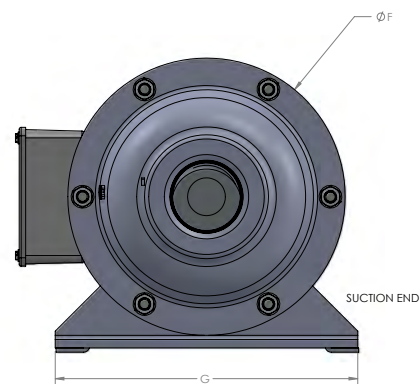
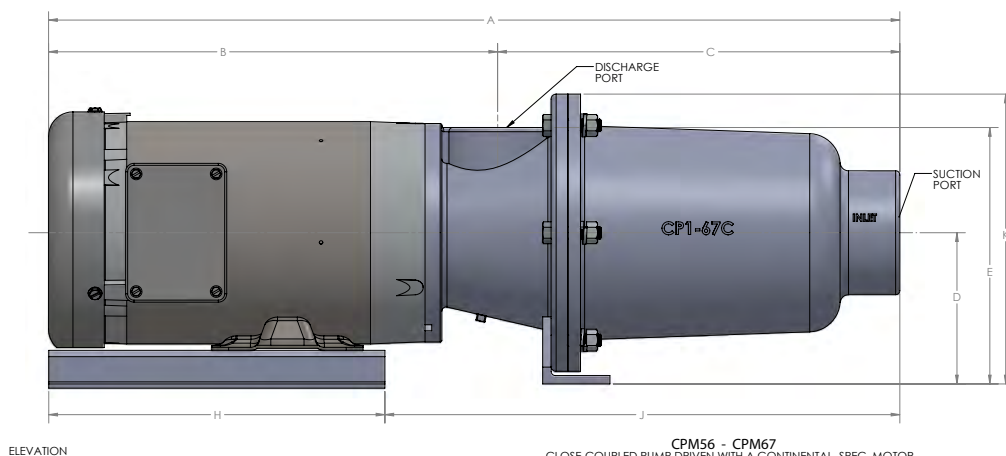
MODEL CPM



CPM Model



CPM15 - CPM22 - CPM33 - CPM44
CLOSE-COUPLED PUMP DRIVEN WITH A CONTINENTAL SPEC. MOTOR



CPM56 - CPM67
CLOSE-COUPLED PUMP DRIVEN WITH A CONTINENTAL SPEC. MOTOR

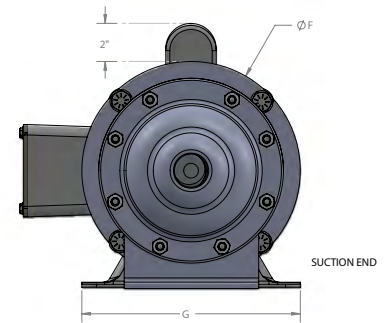
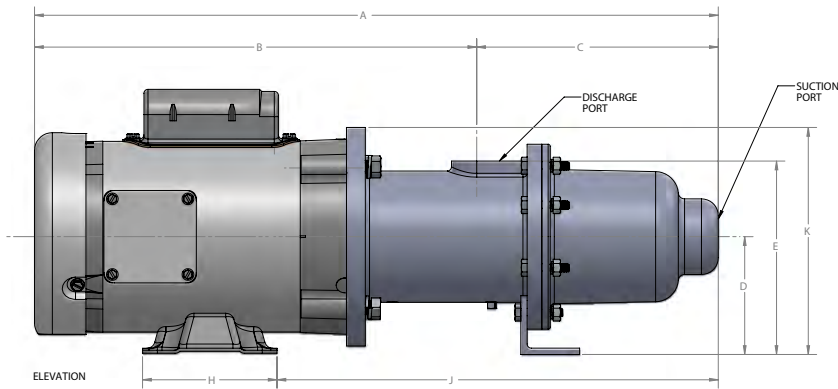
DIMENSIONS AND WEIGHTS - MODEL CPM AND CPML

PUMPS	DIMENSIONS (INCHES)					
	A	B	C	D	E	
CPM15, CPM22, CPM33, CPM44	18-3/4	12	6-13/16	3-1/2	5-7/8	
CPM56	22-15/16	13-3/16	9-3/4	4-1/2	7-1/2	
CPM67	25-1/4	13-5/16	12	4-1/2	7-3/4	
CPML15, CPML22, CPML33, CPML44	20-3/8	13-9/16	6-13/16	3-1/2	5-3/4	
CPML56	25-3/8	13-3/4	9-3/4	4-1/2	7-1/2	
CPML67	27-7/8	15-7/8	12	4-1/2	7-3/4	

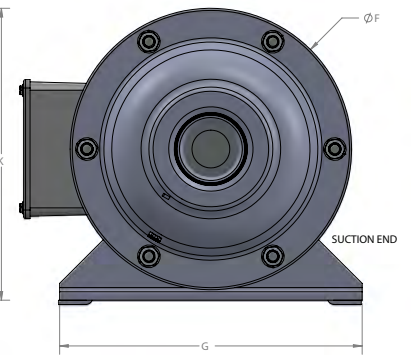
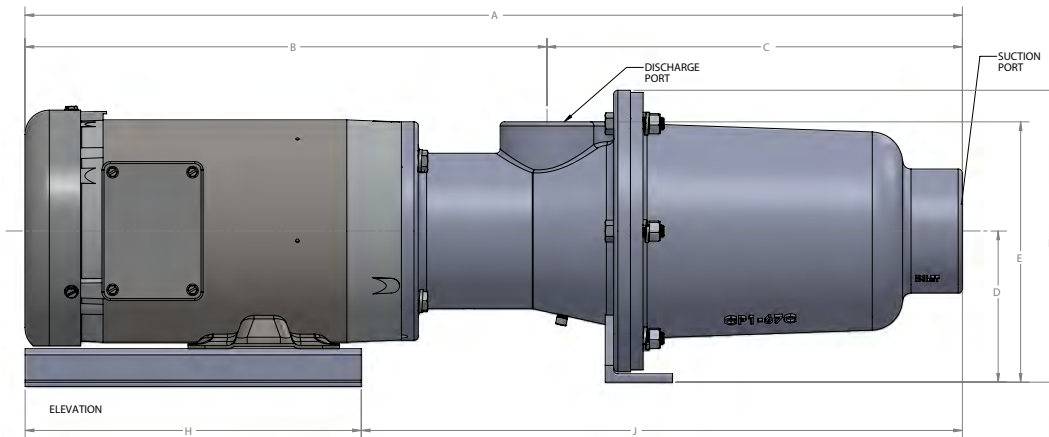
MODEL CPML



CPML Model



CPML15 - CPML22 - CPML33 - CPML44
CLOSE-COUPLED PUMP DRIVEN WITH A STANDARD MOTOR



CPML56 - CPML67
CLOSE-COUPLED PUMP DRIVEN WITH A STANDARD MOTOR

Ø = Diameter

	F	G	H	J	K	U	WEIGHT (LBS)	PORT SIZES	
								INLET SUCTION	OUTLET DISCHARGE
	5-3/4	6-1/2	4	10-3/4	7		48	3/4"	3/4"
	7-1/2	9	10	12-15/16	8-1/4		80	1-1/2"	1-1/4"
	8-1/4	9	10	15-5/16	8-5/8		117	2"	2"
	6-1/2	6-1/2	4	13-1/8	6-3/4		52	3/4"	3/4"
	7-1/2	9	10	13-1/12	8-1/4		85	1-1/2"	1-1/4"
	8-3/8	9	10	17-7/8	8-11/16		125	2"	2"

MODEL

CL

Performance data
based on gallons
per minute (water
at 70°F)

PERFORMANCE DATA - MODEL CL

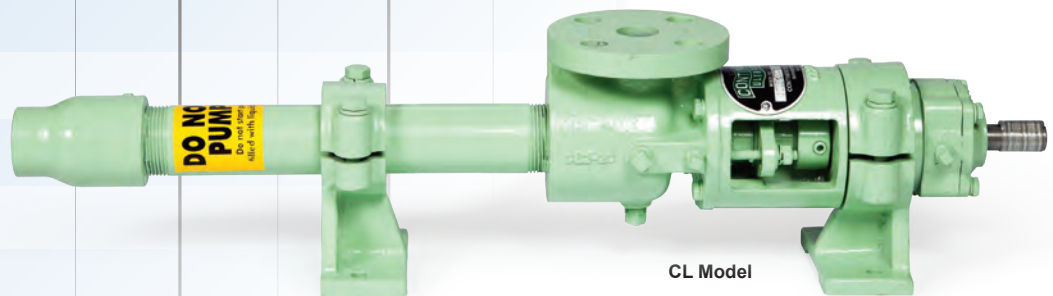
FRAME SIZE	GAL./100 REV.	PUMP SPEED DIFF. PRESS PSI	300 RPM		450 RPM			
			GPM	MIN. HP	GPM	MIN. HP		
1CL2	.260	0	.54	1/8	1.1	1/6		
		30	.51	1/8	.95	1/6		
		60	.40	1/8	.50	1/6		
2CL2	.260	0	.54	1/4	1.1	1/4		
		60	.51	1/4	.95	1/4		
		120	.40	1/4	.50	1/4		
3CL2	.260	0	.54	1/4	1.1	1/4		
		90	.51	1/4	.95	1/4		
		180	.40	1/4	.50	1/4		
1CL3	.860	0	2.5	1/3	3.8	1/3		
		40	1.6	1/3	3.0	1/3		
		75	—	—	1.5	1/3		
2CL3	.860	0	2.5	1/3	3.8	1/3		
		80	1.6	1/3	3.0	1/3		
		150	—	—	1.4	1/3		
3CL3	.860	0	2.5	1/3	3.8	1/2		
		120	1.6	1/3	3.0	1/2		
		225	—	—	1.6	3/4		
1CL4	2.02	0	5.8	1/2	9.0	1/2		
		40	4.0	1/2	6.7	1/2		
		75	—	—	2.7	3/4		
2CL4	2.02	0	5.8	3/4	9.0	1/2		
		80	4.0	3/4	6.7	3/4		
		150	—	—	2.7	1		
3CL4	2.02	0	5.0	3/4	9.0	3/4		
		120	4.0	3/4	6.7	1		
		225	2.0	1	3.7	1-1/2		
1CL6	5.20	0	15	1	23	1		
		40	11	1	19	1		
		75	6.5	1	13	1-1/2		
2CL6	5.20	0	15	1	23	1-1/2		
		80	11	1	19	1-1/2		
		150	5	2	13	3		
3CL6	5.20	0	15	1-1/2	23	2		
		120	11	1-1/2	19	3		
		225	5	3	13	5		
1CL8	11.7	0	33	2	51	2		
		40	27	2	45	2		
		75	17	2	35	3		
2CL8	11.7	0	33	3	51	3		
		80	27	3	45	5		
		150	18	5	35	7-1/2		
3CL8	11.7	0	33	5	51	5		
		120	27	5	45	5		
		225	18	7-1/2	35	10		
1CL10	18.8	0	56	2	84	3		
		40	46	2	74	3		
		75	26	5	53	5		
2CL10	18.8	0	56	3	84	5		
		80	46	5	74	7-1/2		
		150	24	7-1/2	53	10		
3CL10	18.8	0	56	5	84	7-1/2		
		120	46	5	74	10		
		225	22	10	53	15		
1CL10H	27.7	0	83	3	127	5		
		40	73	3	117	5		
		75	55	5	100	7-1/2		
2CL10H	27.7	0	83	5	127	7-1/2		
		80	73	5	117	7-1/2		
		150	64	10	100	15		
1CL12	43.5	0	130	5	196	7-1/2		
		40	118	7-1/2	184	10		
		75	85	10	149	15		
2CL12	43.5	0	130	10	196	15		
		80	118	10	184	15		
		150	85	15	149	25		
3CL12	43.5	0	130	15	196	20		
		120	118	15	184	20		
		225	85	25	149	30		
1CL12H	66.2	0	195	7-1/2	293	10		
		40	173	7-1/2	272	15		
		75	123	15	220	20		
2CL12H	66.2	0	195	15	293	20		
		80	173	15	272	20		
		150	123	25	220	30		

MODEL

CL

Model CL pumps are suitable for a wide variety of applications and are the most frequently used. When properly applied they give excellent long life performance at the most economical cost.

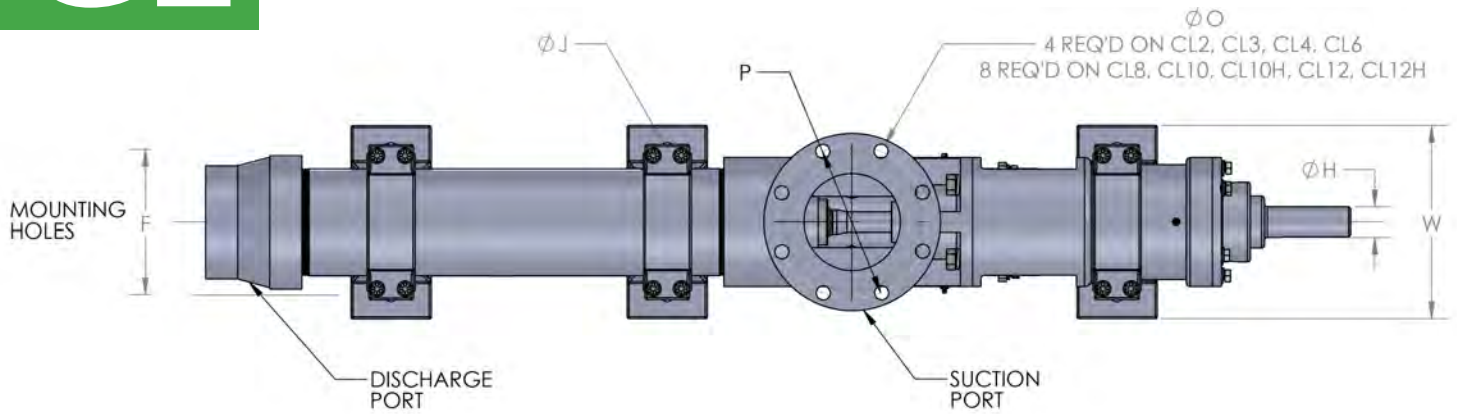
	600 RPM		750 RPM		900 RPM		1200 RPM	
	GPM	MIN. HP	GPM	MIN. HP	GPM	MIN. HP	GPM	MIN. HP
	1.5	1/6	2.0	1/4	2.2	1/4	3.0	1/3
	1.3	1/6	1.8	1/4	2.1	1/4	2.8	1/3
	.9	1/6	1.4	1/4	1.7	1/4	2.3	1/3
	1.5	1/4	2.0	1/3	2.2	1/3	3.0	1/2
	1.3	1/4	1.8	1/3	2.1	1/3	2.8	1/2
	.9	1/4	1.4	1/3	1.7	1/3	2.3	1/2
	1.5	1/3	2.0	1/3	2.2	1/3	3.0	3/4
	1.3	1/3	1.8	1/3	2.1	1/3	2.8	3/4
	.9	1/3	1.4	1/3	1.7	1/3	2.3	3/4
	5.1	1/3	6.4	1/3	7.5	1/2	10	3/4
	4.3	1/3	5.5	1/2	6.8	1/2	9.3	3/4
	2.7	1/3	4.2	1/2	5.0	3/4	7.7	3/4
	5.1	1/2	6.4	1/2	7.5	3/4	10	1
	4.3	1/2	5.5	3/4	6.8	3/4	9.3	1
	2.7	1/2	4.2	3/4	5.0	1	7.7	1-1/2
	5.1	3/4	6.4	3/4	7.5	3/4	10	1
	4.3	3/4	5.5	1	6.8	1	9.3	1-1/2
	2.7	1	4.2	1-1/2	5.0	1-1/2	7.7	2
	2.0	1/2	15	1/2	18	3/4	24	1
	9.5	1/2	12.5	3/4	16	1	22	1
	5.5	3/4	8.5	1	12	1-1/2	18	1-1/2
	12.0	3/4	15	3/4	18	1	24	1-1/2
	9.5	1	12.5	1-1/2	16	1-1/2	22	2
	5.5	1-1/2	8.5	2	12	2	18	3
	12.0	1	15	1	18	1-1/2	24	2
	9.5	1-1/2	12.5	1-1/2	16	2	22	3
	5.5	2	8.5	3	12	3	18	5
	31	1-1/2	39	1-1/2	47	2		
	27	1-1/2	35	2	43	2		
	21	2	28	3	36	3		
	31	2	39	2	47	3		
	27	2	35	3	43	3		
	21	5	28	5	36	5		
	31	3	39	3	47	5		
	27	3	35	2	43	5		
	21	5	28	7-1/2	36	7-1/2		
	68	3	87	3	100	5		
	62	3	76	5	94	5		
	52	5	66	7-1/2	84	7-1/2		
	68	5	87	5	100	7-1/2		
	62	5	76	7-1/2	94	7-1/2		
	52	7-1/2	66	10	84	10		
	68	7-1/2	87	7-1/2	100	10		
	62	7-1/2	76	10	94	10		
	52	10	66	15	84	15		
	115	5	140	5				
	105	5	130	7-1/2				
	84	7-1/2	106	10				
	115	7-1/2	140	7-1/2				
	105	7-1/2	130	10				
	84	15	106	20				
	115	10	140	10				
	105	10	130	15				
	84	20	106	25				
	168	7-1/2	210	7-1/2				
	158	7-1/2	202	10				
	143	10	187	15				
	168	10	210	10				
	158	10	202	15				
	143	20	187	25				
	255	10						
	240	15						
	210	20						
	255	20						
	240	20						
	208	30						
	255	25						
	240	25						
	210	40						
	380	15						
	363	20						
	310	25						
	380	25						
	363	30						
	300	50						



CL Model

MODEL

CL

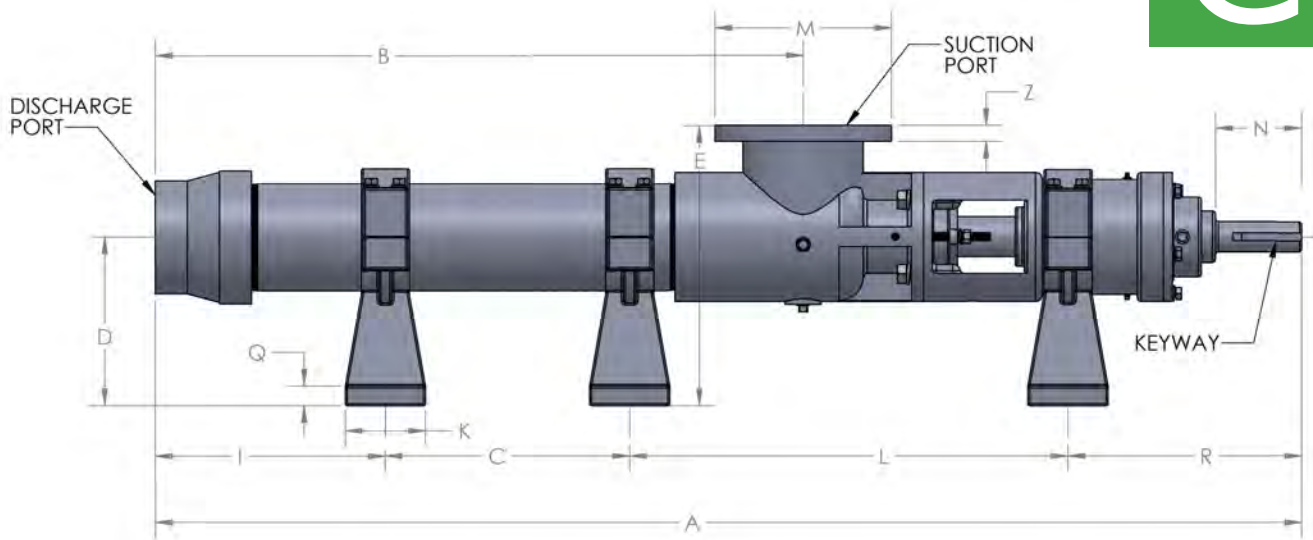


DIMENSIONS AND WEIGHTS - MODEL CL

PUMP SIZE	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	
1CL2	17	7-5/16	N/A	3-1/4	5-7/8	3-1/8	2	5/8	4-1/4	3/8	2	8-1/2	
2CL2	20-1/2	10-7/8	N/A	3-1/4	5-7/8	3-1/8	2	5/8	5-3/4	3/8	2	10-1/2	
3CL2	24-1/16	14-7/16	N/A	3-1/4	5-7/8	3-1/8	2	5/8	7-13/16	3/8	2	12	
1CL3	22-3/4	10-1/8	N/A	4-1/8	7-5/16	4-1/4	3	3/4	5-9/16	7/16	3	11-1/2	
2CL3	28-1/16	15-7/16	N/A	4-1/8	7-5/16	4-1/4	3	3/4	9-3/8	7/16	3	13	
3CL3	33-3/8	20-3/4	N/A	4-1/8	7-5/16	4-1/4	3	3/4	11-3/16	7/16	3	16-1/2	
1CL4	30	13-1/8	N/A	5-1/2	9-7/8	5-1/2	3-1/2	15/16	7-1/4	9/16	3	15-3/4	
2CL4	37-1/8	20-1/4	N/A	5-1/2	9-7/8	5-1/2	3-1/2	15/16	8-1/8	9/16	3	22	
3CL4	44-1/4	27-5/8	N/A	5-1/2	9-7/8	5-1/2	3-1/2	15/16	14-1/2	9/16	3	22-3/4	
1CL6	39-1/8	17-13/16	N/A	6-1/4	11-1/4	7	4	1-1/8	10-9/16	11/16	4	20	
2CL6	49-3/4	28-7/16	N/A	6-1/4	11-1/4	7	4	1-1/8	15-3/16	11/16	4	26	
3CL6	60-3/8	39-1/16	18	6-1/4	11-1/4	7	4	1-1/8	13-13/16	11/16	4	20	
1CL8	46	20-3/16	N/A	8	14	9	5	1-3/8	9-3/4	7/8	5	27	
2CL8	58-3/8	32-5/8	N/A	8	14	9	5	1-3/8	17-1/8	7/8	5	32	
3CL8	70-13/16	45	24	8	14	9	5	1-3/8	12-9/16	7/8	5	25	
1CL10	53-1/8	21-7/8	N/A	9-3/4	16-11/16	9	5	1-7/8	9-5/8	7/8	5	30	
2CL10	63-1/2	32-1/4	N/A	9-3/4	16-11/16	9	5	1-7/8	14-1/2	7/8	5	35-1/2	
3CL10	73-7/8	42-5/8	18	9-3/4	16-11/16	9	5	1-7/8	12-3/8	7/8	5	30	
1CL10H	58-1/2	27-1/4	N/A	9-3/4	16-11/16	9	5	1-7/8	15	7/8	5	30	
2CL10H	73-7/8	42-5/8	18	9-3/4	16-11/16	9	5	1-7/8	12-3/8	7/8	5	30	
1CL12	70	31	N/A	12-1/2	21	12-5/8	6	2-1/4	14-1/2	1	6	37-1/2	
2CL12	85-1/2	46-1/2	20-1/2	12-1/2	21	12-5/8	6	2-1/4	12	1	6	35	
3CL12	101-1/8	62-1/8	27	12-1/2	21	12-5/8	6	2-1/4	14-1/8	1	6	42	
1CL12H	77-3/4	38-3/4	N/A	12-1/2	21	12-5/8	6	2-1/4	17-3/4	1	6	42	
2CL12H	101-1/8	62-1/8	27	12-1/2	21	12-5/8	6	2-1/4	14-1/8	1	6	42	

MODEL

CL

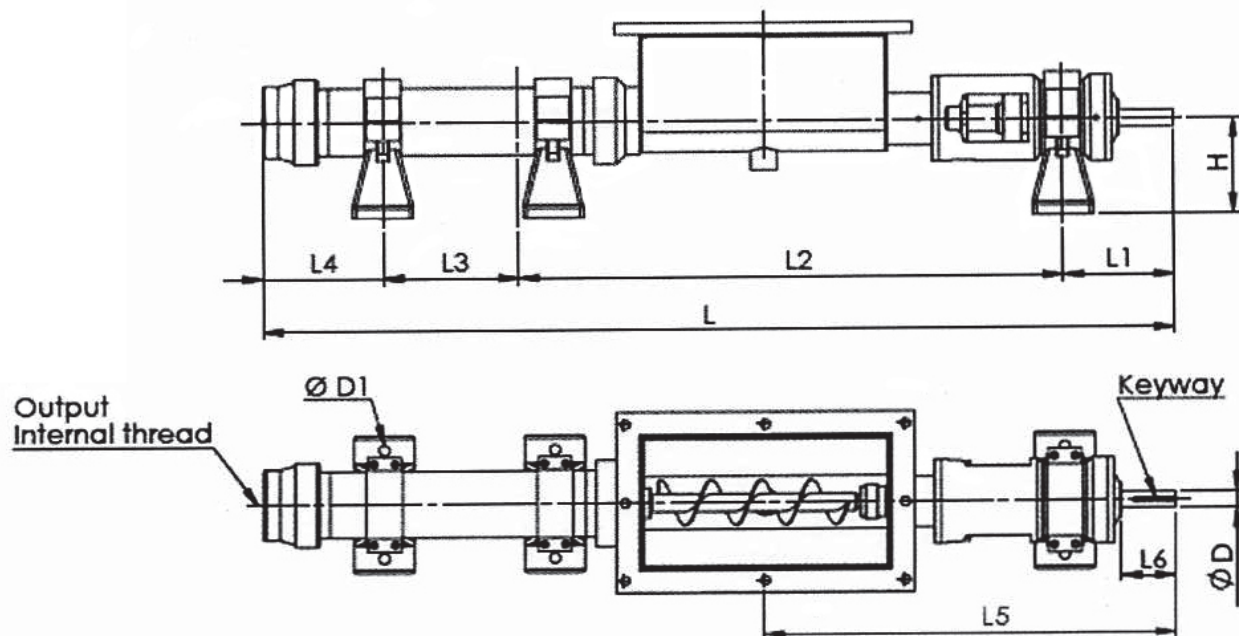


										WEIGHT (LBS)	PORT SIZES	
M	N	O	P	Q	R	W	Z	KEYWAY			SUCTION	DISCHARGE
4-1/4	1-1/2	9/16	3-1/8	3/8	4-1/4	4	7/16	3/16 x 3/4	22		1"	3/4"
4-1/4	1-1/2	9/16	3-1/8	3/8	4-1/4	4	7/16	3/16 x 3/4	25		1"	3/4"
4-1/4	1-1/2	9/16	3-1/8	3/8	4-1/4	4	7/16	3/16 x 3/4	31		1"	3/4"
5	2-1/8	9/16	3-7/8	1/2	5-11/16	5-3/8	9/16	3/16 x 1-1/2	47		1-1/2"	1-1/4"
5	2-1/8	9/16	3-7/8	1/2	5-11/16	5-3/8	9/16	3/16 x 1-1/2	51		1-1/2"	1-1/4"
5	2-1/8	9/16	3-7/8	1/2	5-11/16	5-3/8	9/16	3/16 x 1-1/2	55		1-1/2"	1-1/4"
7	3-1/8	3/4	5-1/2	5/8	7	7	11/16	1/4 x 2	85		2-1/2"	2"
7	3-1/8	3/4	5-1/2	5/8	7	7	11/16	1/4 x 2	91		2-1/2"	2"
7	3-1/8	3/4	5-1/2	5/8	7	7	11/16	1/4 x 2	97		2-1/2"	2"
7-1/2	4-3/8	3/4	6	11/16	8-9/16	8-5/8	7/8	1/4 x 2-1/4	141		3"	2-1/2"
7-1/2	4-3/8	3/4	6	11/16	8-9/16	8-5/8	7/8	1/4 x 2-1/4	159		3"	2-1/2"
7-1/2	4-3/8	3/4	6	11/16	8-9/16	8-5/8	7/8	1/4 x 2-1/4	192		3"	2-1/2"
9	4-9/16	3/4	7-1/2	1-1/8	9-1/4	11-1/2	15/16	3/8 x 3	303		4"	4"
9	4-9/16	3/4	7-1/2	1-1/8	9-1/4	11-1/2	15/16	3/8 x 3	332		4"	4"
9	4-9/16	3/4	7-1/2	1-1/8	9-1/4	11-1/2	15/16	3/8 x 3	372		4"	4"
11	5-3/8	7/8	9-1/2	1-1/8	13-1/2	11-1/2	1	1/2 x 3-1/2	412		6"	5"
11	5-3/8	7/8	9-1/2	1-1/8	13-1/2	11-1/2	1	1/2 x 3-1/2	500		6"	5"
11	5-3/8	7/8	9-1/2	1-1/8	13-1/2	11-1/2	1	1/2 x 3-1/2	545		6"	5"
11	5-3/8	7/8	9-1/2	1-1/8	13-1/2	11-1/2	1	1/2 x 3-1/2	424		6"	5"
11	5-3/8	7/8	9-1/2	1-1/8	13-1/2	11-1/2	1	1/2 x 3-1/2	545		6"	5"
13-1/2	6	7/8	11-3/4	1-1/8	18	14-1/2	1-1/8	1/2 x 4	880		8"	6"
13-1/2	6	7/8	11-3/4	1-1/8	18	14-1/2	1-1/8	1/2 x 4	1075		8"	6"
13-1/2	6	7/8	11-3/4	1-1/8	18	14-1/2	1-1/8	1/2 x 4	1200		8"	6"
13-1/2	6	7/8	11-3/4	1-1/8	18	14-1/2	1-1/8	1/2 x 4	945		8"	6"
13-1/2	6	7/8	11-3/4	1-1/8	18	14-1/2	1-1/8	1/2 x 4	1205		8"	6"

MODEL

CJ

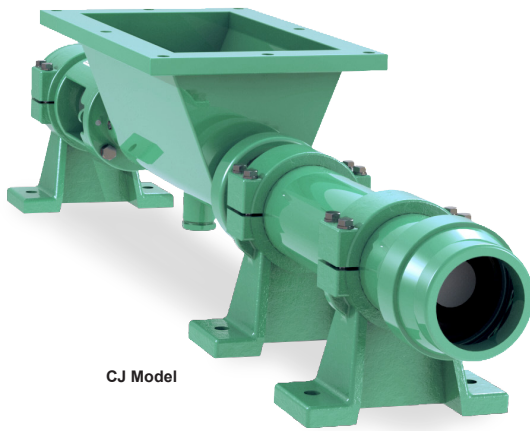
Model CJ Pumps are similar to the Model CL Pumps, except they have a hopper and auger to allow them to transfer materials with high percentages of solids or abrasives. The wide hopper ensures the mixture is fed directly into the pumping element for optimal efficiency.



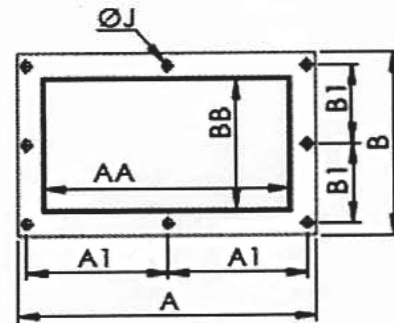
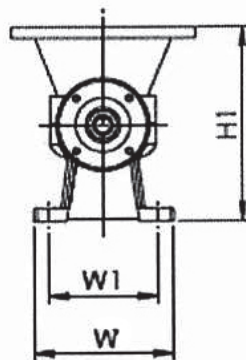
PERFORMANCE DATA - MODEL CC

PUMP SIZE	STAGES	L	L1	L2	L3	L4	L5	L6	H	H1	W	W1	ØD	ØD1	
J3	1	33.5		22.2	---	5.6									
	2	38.5	5.70	23.4	---	9.4	19.3	2	4.1	8.2	5.4	4.3	0.75	0.4	
	3	43.5		21.6	9	7.2									
J4	1	38.1		23.9	---	7.2									
	2	45.2	7.00	30.1	---	8.1	21.75	2.75	5.46	11	7.16	5.5	0.9374	9/16	
	3	52.3		23.8	11	10.5									
J6	1	51.2		32.1	---	10.6									
	2	62.2	8.50	31.5	12	9.2	27.4	4.33	6.24	12.5	8.74	7	1.1248	11/16	
	3	73.0		31.5	18	13.8									
J8	1	63.0		44.0	---	9.8									
	2	75.4	9.25	42.2	14	10.0	33.11	4.33	8	16	11.5	9	1.3748	7/8	
	3	87.9		42.0	24	12.6									
J10	1	73.8		50.7	---	9.6									
	2	84.2	13.50	50.7	10.5	9.5	42.12	5.27	9.74	19.5	11.5	9	1.8748	7/8	
	3	94.6		50.8	18	12.4									
J10H	1	79.3	13.50	50.8	---	15.0	42.12	5.27	9.74	19.5	11.5	9	1.8748	7/8	
	2	94.6		50.8	18	12.4									

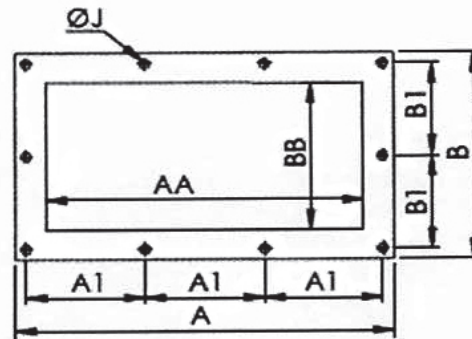
MODEL



CJ Model



J3 - J4 - J6 & J8 style



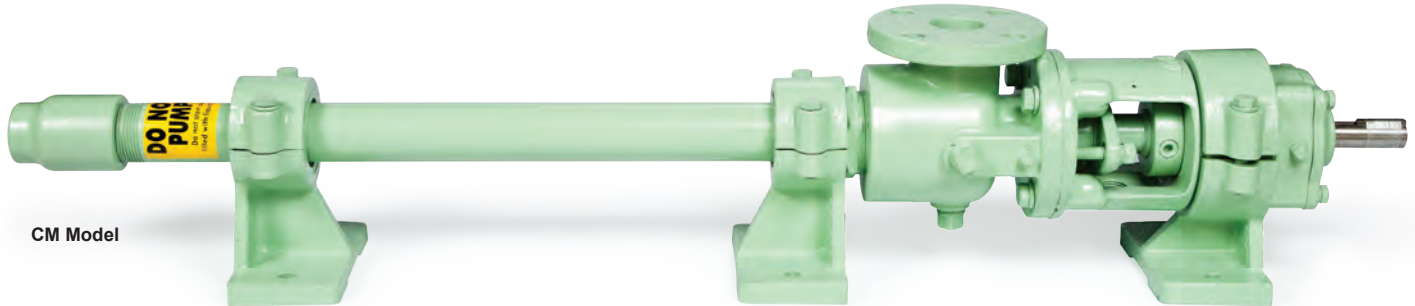
J10 style

	KEYWAY	AA	A	A1	BB	B	B1	ØJ	OUTPUT	WEIGHT (LBS.)
	3/16" x 1/8"	9.75	14.1	6.25	5.0	9.4	3.88	9/16"	NPT 1 1/4" x 11 1/2"	61
										68
										74
	1/4" x 3/16" x 2 1/4"	11.75	16.25	7.374	7.0	11.5	5.0	3/4"	NPT 2" x 11"	130
										136
										143
	1/4" x 3/16" x 2 1/4"	14.5	19	8.748	8.11	12.5	5.5	3/4"	NPT 2 1/2" x 8"	161
										192
										209
	3/8" x 3/16" x 3"	20	24.5	11.496	10.63	14.5	6.5	3/4"	NPT 4" x 8"	341
										370
										410
	1/2" x 1/4" x 3 1/2"	26	31	9.751	12	17	7.625	3/4"	NPT 5" x 8"	510
										627
										630
	1/2" x 1/4" x 3 1/2"	26	31	9.751	12	17	7.625	3/4"	NPT 5" x 8"	562
										650

MODEL

CM

Model CM Pumps are similar to the Model CL Pumps, except they have a larger drive head to handle the increased horsepower that is needed to produce the higher pressures that can be developed by these pumps.



CM Model

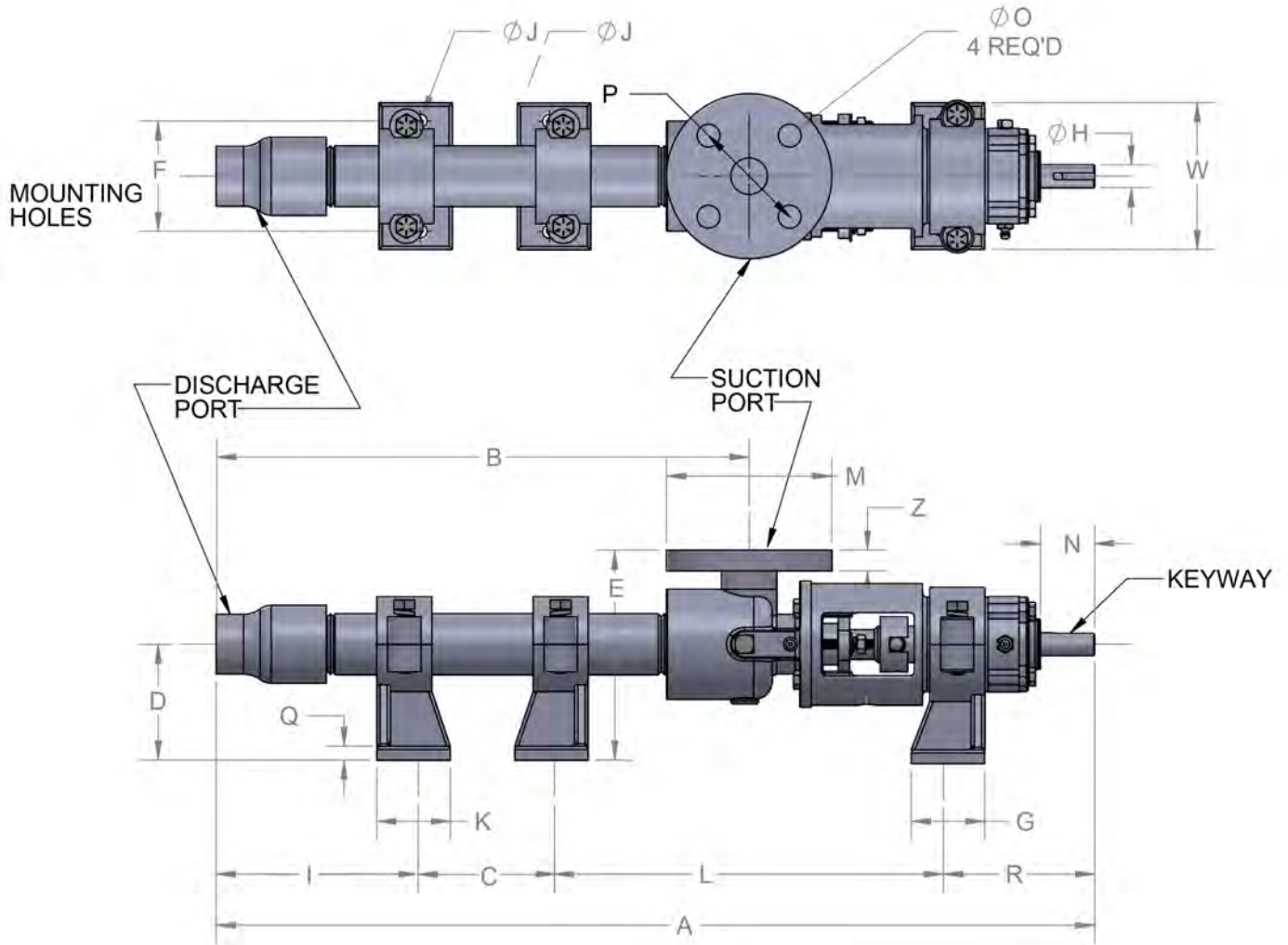
Performance data based on gallons per minute (water at 70°F)

PERFORMANCE DATA - MODEL CM

FRAME SIZE	GAL./100 REV.	PUMP SPEED DIFF. PRESS PSI	300 RPM		450 RPM		600 RPM		750 RPM		900 RPM		1200 RPM	
			GPM	MIN. HP	GPM	MIN. HP	GPM	MIN. HP	GPM	MIN. HP	GPM	MIN. HP	GPM	MIN. HP
2CM1	.056	0	.14	1/8	.22	1/8	.29	1/4	.37	1/4	.43	1/4	.58	1/4
		60	.12	1/8	.20	1/8	.26	1/4	.33	1/4	.41	1/4	.55	1/4
		120	.10	1/8	.15	1/8	.22	1/4	.30	1/4	.37	1/4	.51	1/4
6CM1	.056	0	.14	1/8	.22	1/6	.29	1/4	.37	1/4	.43	1/3	.58	1/3
		180	.12	1/8	.20	1/6	.26	1/4	.33	1/4	.41	1/3	.55	1/3
		360	.10	1/8	.15	1/6	.22	1/4	.30	1/4	.37	1/3	.51	1/3
6CM2	.260	0	.54	1/4	1.1	1/2	1.5	3/4	2.0	1/3	2.2	1/2	3.0	3/4
		180	.51	1/4	.9	1/2	1.3	3/4	1.8	1/3	2.1	1/2	2.8	3/4
		360	.50	1/4	.45	1/2	.9	3/4	1.4	1/2	1.7	1	2.3	3/4
6CM3	.860	0	2.50	1/2	3.8	3/4	5.1	1	6.4	1-1/2	7.5	1-1/2	10	2
		240	1.80	1/2	2.9	3/4	4.3	1	5.5	1-1/2	6.8	1-1/2	9.3	2
		450	—	—	1.7	1-1/2	2.7	1-1/2	4.2	2	5.0	2	7.7	3
6CM4	2.02	0	6.00	1-1/2	9.0	2	12	3	15	5	18	5	24	5
		240	5.00	2	7.4	2	10	3	12.5	5	16	5	22	5
		450	1.80	2	4.5	3	7	5	8.5	7-1/2	13	7-1/2	19	7-1/2

DIMENSIONS AND WEIGHTS - MODEL CM

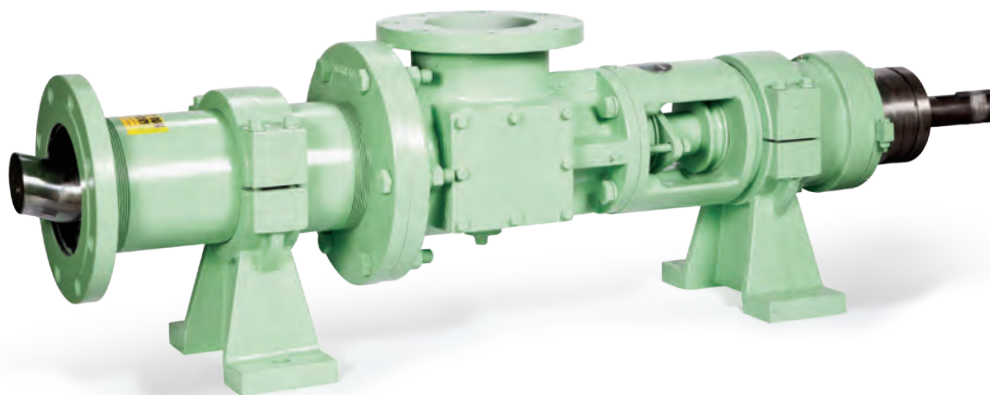
PUMPS	DIMENSIONS (INCHES)											
	A	B	C	D	E	F	G	H	I	J	K	L
2CM1	17-1/2	7-13/16	—	3-1/4	5-7/8	3-1/8	2	5/8	4-1/2	3/8	2	8-3/4
6CM1	24-7/8	15-1/4	—	3-1/4	5-7/8	3-1/8	2	5/8	4-7/8	3/8	2	15-3/4
6CM2	39-1/8	26-3/8	14	4-1/8	7-5/16	4-1/4	3	3/4	7-15/16	7/16	3	11-1/2
6CM3	55	38	22	5-1/2	9-7/8	5-1/2	3-1/2	15/16	9-7/8	9-16	3	15-1/2
6CM4	70-7/8	49-3/4	25	6-1/4	11-1/4	7	4	1-1/8	17-7/16	11/16	4	20



Ø = Diameter

	M	N	O	P	Q	R	W	Z	KEYWAY	WEIGHT (LBS)	PORT SIZES	
											INLET SUCTION	OUTLET DISCHARGE
	4-1/4	1-1/2	5/8	3-1/8	3/8	4-1/4	4	9/16	3/16 X 7/8	22	1"	3/4"
	4-1/4	1-1/2	5/8	3-1/8	3/8	4-1/4	4	9/16	3/16 X 7/8	30	1"	3/4"
	5	2-1/8	5/8	3-7/8	1/2	5-11/16	5-3/8	9/16	3/16 X 1- 1/2	55	1-1/2"	3/4"
	7	3-1/8	3/4	5-1/2	5/8	7	7	11/16	1/4 X 2	105	2-1/2"	2"
	7-1/2	4-3/8	3/4	6	11/16	8-9/16	8-5/8	7/8	1/4 X 2	171	3"	2-1/2"

MODEL



CG Model

Performance data based on gallons per minute (water at 70°F)

PERFORMANCE DATA - MODEL CG									
FRAME SIZE	GAL./100 REV.	PUMP SPEED DIFF. PRESS PSI	100 RPM		150 RPM		200 RPM		
			GPM	MIN. HP	GPM	MIN. HP	GPM	MIN. HP	
1CG8	11.7	0	12	3/4	17	1	26	1-1/2	
		25	8	3/4	13	1-1/2	18	1-1/2	
		50	3	1	7	1-1/2	14	1-1/2	
2CG8	11.7	0	12	1	17	1-1/2	22	2	
		50	8	1	13	1-1/2	18	2	
		100	2	1	8	2	14	3	
3CG8	11.7	50	9	2	14	2	20	3	
		100	6	2	11	3	15	3	
		150	2	2	7	3	11	5	
1CG10	18.8	0	19	1	28	1	36	1-1/2	
		25	12	1	22	1	32	1-1/2	
		50	2	1	14	1-1/2	22	2	
2CG10	18.8	0	18	2	26	3	36	3	
		50	12	2	20	3	30	3	
		100	3	3	12	3	22	5	
3CG10	18.8	50	14	3	22	3	32	3	
		100	10	3	18	3	28	5	
		150	2	3	10	5	22	5	
1CG10H	27.7	0	26	1	40	2	54	1	
		25	20	1	36	2	48	2	
		50	12	2	26	2	40	3	
2CG10H	27.7	0	30	2	44	3	58	5	
		50	24	2	38	5	52	5	
		100	16	3	30	5	45	5	
1CG12	43.5	0	42	3	62	5	84	5	
		25	35	3	56	5	78	5	
		50	22	5	42	5	65	5	
2CG12	43.5	0	42	5	65	5	85	7-1/2	
		50	36	5	58	5	80	7-1/2	
		100	21	6	48	7-1/2	67	7-1/2	
3CG12	43.5	50	40	7-1/2	60	7-1/2	82	10	
		100	35	7-1/2	53	7-1/2	78	10	
		150	25	7-1/2	45	10	67	10	
1CG12H	65.2	0	60	5	95	5	125	5	
		25	55	5	85	5	120	5	
		50	33	5	65	5	98	7-1/2	
2CG12H	65.2	0	60	5	95	7-1/2	125	10	
		50	55	7-1/2	85	7-1/2	120	10	
		100	35	7-1/2	75	10	95	10	

MODEL

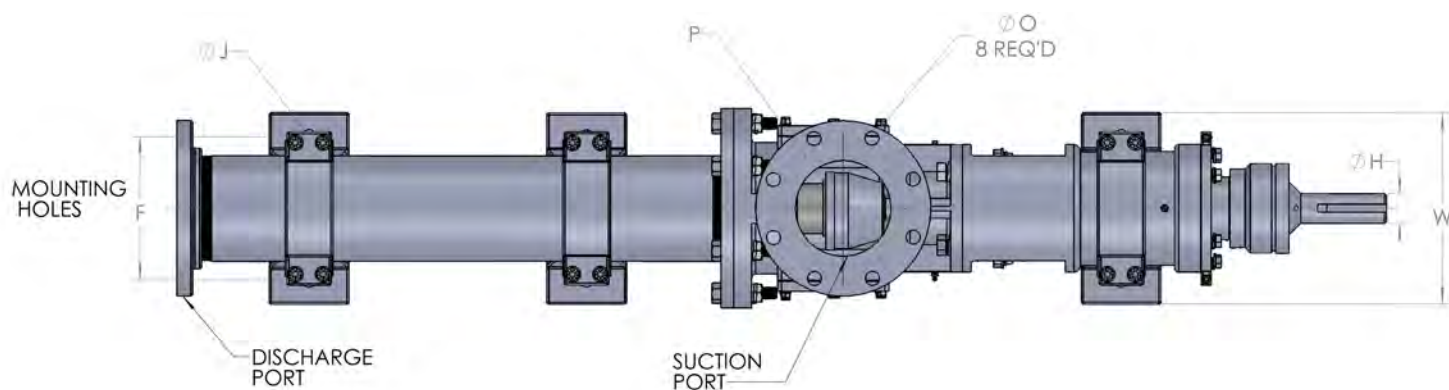


Model CG pumps are designed to handle the heavier applications of sewage, industrial waste, polluted liquids, and slurries. Incorporated into this more rugged pump is a unique drive train using gear joint connections to the rotor and drive shaft.



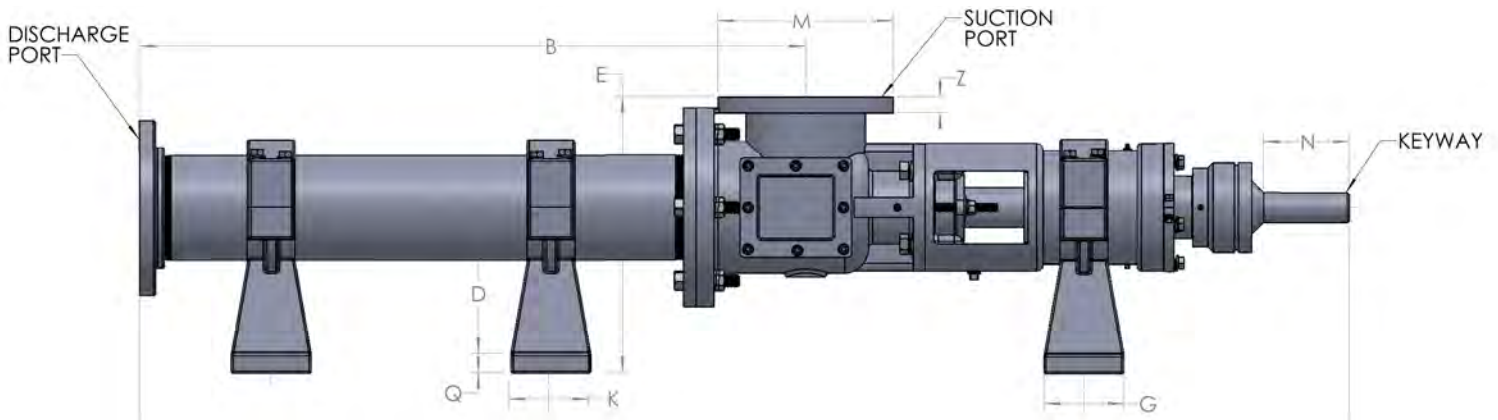
	250 RPM		300 RPM		350 RPM		400 RPM	
	GPM	MIN. HP	GPM	MIN. HP	GPM	MIN. HP	GPM	MIN. HP
	29	1-1/2	34	2	40	2	45	3
	24	1-1/2	21	2	37	2	41	3
	18	2	25	2	32	3	35	3
	27	2	33	3	40	3	45	3
	24	3	29	3	35	5	42	5
	21	3	25	3	32	5	35	5
	25	3	34	5	36	5	43	5
	22	5	28	5	33	5	39	5
	19	5	24	5	29	7-1/2	34	7-1/2
	48	1-1/2	56	2	64	2	74	3
	42	2	52	2	60	3	70	5
	35	2	42	3	50	5	59	5
	46	3	54	3	66	5	72	5
	40	5	50	5	58	5	68	7-1/2
	32	5	41	5	50	7-1/2	59	7-1/2
	41	5	52	5	60	7-1/2	72	7-1/2
	36	5	48	7-1/2	56	7-1/2	67	10
	30	5	41	7-1/2	50	10	63	10
	70	3	82	3	96	5	108	5
	64	3	76	3	90	5	104	5
	54	3	68	5	82	5	96	5
	70	5	84	5	98	7-1/2	112	7-1/2
	66	5	78	5	92	7-1/2	106	10
	58	7-1/2	72	7-1/2	86	10	100	10
	108	5	127	5	147	7-1/2	169	7-1/2
	100	5	123	7-1/2	142	7-1/2	165	10
	87	7-1/2	108	7-1/2	128	7-1/2	153	10
	105	10	125	10	145	15	167	15
	100	10	120	10	140	15	163	15
	90	10	108	15	133	15	150	15
	103	15	125	15	145	15	168	15
	97	15	119	15	140	15	161	20
	90	15	110	20	130	20	152	25
	180	5	190	7-1/2	220	7-1/2	252	10
	175	7-1/2	185	7-1/2	215	10	249	10
	130	10	160	10	190	15	225	15
	155	15	190	15	220	20	253	20
	150	15	182	15	215	15	247	20
	130	15	160	15	195	20	225	25

MODEL



DIMENSIONS AND WEIGHTS – MODEL CG

PUMP SIZE	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	
1CG8	52-3/4	19-1/2	-	9-3/4	16-11/16	9	5	1-7/8	6-1/8	7/8	5	31	
2CG8	65-3/16	31-15/16	-	9-3/4	16-11/16	9	5	1-7/8	15-9/16	7/8	5	34	
3CG8	77-5/8	44-3/8	27	9-3/4	16-11/16	9	5	1-7/8	6	7/8	5	29	
1CG10	50-11/16	17-7/16	-	9-3/4	16-11/16	9	5	1-7/8	5-1/16	7/8	5	30	
2CG10	61-1/8	27-7/8	-	9-3/4	16-11/16	9	5	1-7/8	10-1/2	7/8	5	35	
3CG10	71-7/16	38-3/16	18	9-3/4	16-11/16	9	5	1-7/8	7-13/16	7/8	5	30	
1CG10H	56	22-3/4	-	9-3/4	16-11/16	9	5	1-7/8	10- 3/8	7/8	5	30	
2CG10H	71-7/16	38-3/16	18	9-3/4	16-11/16	9	5	1-7/8	7-13/16	7/8	5	30	
1CG12	63-3/4	24-3/4	-	12-1/2	21	12-5/8	6	2-1/4	8-1/4	1	6	37-1/2	
2CG12	79-7/16	40-7/16	18	12-1/2	21	12-5/8	6	2-1/4	5-15/16	1	6	37-1/2	
3CG12	95-1/16	56	27	12-1/2	21	12-5/8	6	2-1/4	8-1/16	1	6	42	
1CG12H	71-9/16	32-9/16	-	12-1/2	21	12-5/8	6	2-1/4	11-9/16	1	6	42	
2CG12H	95	56	27	12-1/2	21	12-5/8	6	2-1/4	8	1	6	42	



Ø = Diameter

											WEIGHT (LBS)	PORT SIZES	
	M	N	O	P	Q	R	W	Z	KEYWAY			SUCTION	DISCHARGE
	11	5-3/8	7/8	9-1/2	1-1/8	15-5/8	11-1/2	1	1/2 X 3-1/2	450		6"	5"
	11	5-3/8	7/8	9-1/2	1-1/8	15-5/8	11-1/2	1	1/2 X 3-1/2	545		6"	5"
	11	5-3/8	7/8	9-1/2	1-1/8	15-5/8	11-1/2	1	1/2 X 3-1/2	596		6"	5"
	11	5-3/8	7/8	9-1/2	1-1/8	15-5/8	11-1/2	1	1/2 X 3-1/2	492		6"	6"
	11	5-3/8	7/8	9-1/2	1-1/8	15-5/8	11-1/2	1	1/2 X 3-1/2	580		6"	6"
	11	5-3/8	7/8	9-1/2	1-1/8	15-5/8	11-1/2	1	1/2 X 3-1/2	615		6"	6"
	11	5-3/8	7/8	9-1/2	1-1/8	15-5/8	11-1/2	1	1/2 X 3-1/2	494		6"	6"
	11	5-3/8	7/8	9-1/2	1-1/8	15-5/8	11-1/2	1	1/2 X 3-1/2	615		6"	6"
	13-1/2	6-1/8	7/8	11-3/4	1-1/8	18	14-1/2	1	1/2 x 4	960		8"	8"
	13-1/2	6-1/8	7/8	11-3/4	1-1/8	18	14-1/2	1	1/2 x 4	1155		8"	8"
	13-1/2	6-1/8	7/8	11-3/4	1-1/8	18	14-1/2	1	1/2 x 4	1285		8"	8"
	13-1/2	6-1/8	7/8	11-3/4	1-1/8	18	14-1/2	1	1/2 x 4	1025		8"	8"
	13-1/2	6-1/8	7/8	11-3/4	1-1/8	18	14-1/2	1	1/2 x 4	1285		8"	8"

MODEL CK 2000 SERIES



CK 2000 Series Model™

All Moyno® Parts, models and identification numbers are listed for reference purposes only. Continental Pump Co., Inc. is not affiliated with or a representative of neither Moyno® nor its parent company.

Continental CK 2000 Series model is designed to handle the heavier applications of sewage, industrial waste, polluted liquids and slurries. The CK 2000 Series pumps offers a long-lasting and low-maintenance solution for a wide variety of applications.



KEY BENEFITS AND FEATURES TO CK 2000 SERIES PUMPS

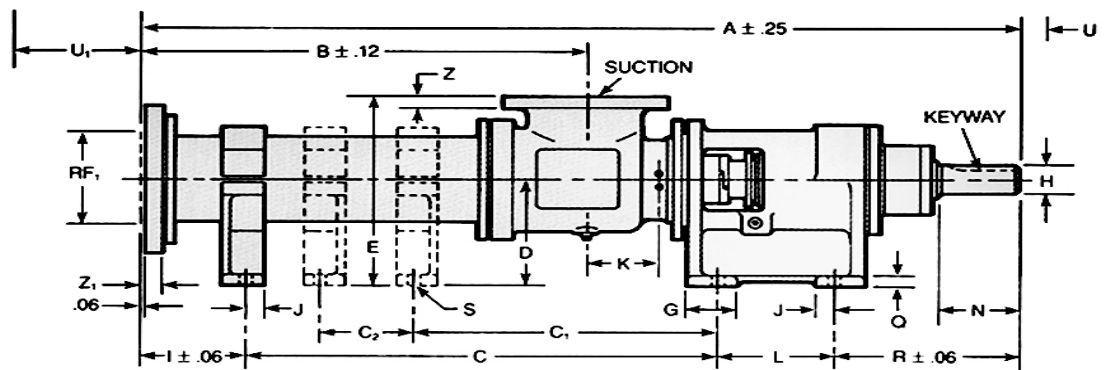
- Industrial design well known and used in wastewater and municipal industries
- Self-priming with suction lift up to 28ft (based on water)
- Suction chamber allows full 360° rotation for easier piping installation (Available upon request)
- Positive displacement and non-pulsating flow
- Heavy duty gear joint drive connections
- Handles heavy radial thrust loads (like pulley drives)
- Low maintenance unit & easier to service
- Flow rates up to 2,400gpm and pressures up to 780psi
- Handles sheer-sensitive materials with little to no agitation
- Capable of pumping foreign materials with particle sizes up to 2 in. in diameter
- Performs with equal efficiency in either direction

MODEL

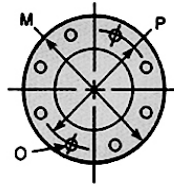
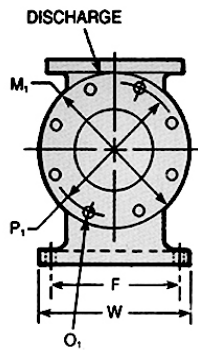


2000 SERIES

PUMP		PRESSURE, PSI											
MAX RPM	MODEL NO.	0		45		87		175		300		450	
		GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
750	1E008	44	2	41	2	40	3	-	-	-	-	-	-
750	2E008	44	3	42	3	39	3	34	7.5	-	-	-	-
750	4E008	44	5	40	5	36	7.5	30	10	28	-	-	-
750	6E008	44	7.5	38	7.5	34	10	27	10	25	12.5	-	-
750	1E012	89	5	85	5	76	7.5	-	-	-	-	-	-
750	2E012	89	7.5	88	7.5	85	7.5	76	15	-	-	-	-
750	4E012	89	10	89	10	88	10	85	15	80	20	-	-
750	6E012	89	15	89	15	88	15	87	15	84	20	-	-
750	6F012	89	15	89	15	88	15	87	20	84	25	80	30
725	1E022	158	5	149	7.5	128	10	-	-	-	-	-	-
725	2E022	158	7.5	155	7.5	149	15	128	20	-	-	-	-
650	4E022	142	7.5	141	7.5	139	15	133	20	-	-	-	-
650	4F022	142	15	141	15	139	15	133	20	119	30	-	-
650	6F022	142	20	142	20	141	20	138	20	132	30	-	-
650	1F036	223	7.5	211	10	178	15	-	-	-	-	-	-
650	2F036	223	15	220	15	211	20	178	30	-	-	-	-
600	4F036	206	20	205	25	203	25	194	30	-	-	-	-
600	6G036	206	30	206	30	205	30	202	40	195	50	-	-
600	1F050	300	7.5	316	15	267	20	-	-	-	-	-	-
600	2F050	300	10	330	25	317	25	267	40	-	-	-	-
600	4F050	280	15	308	60	305	30	291	40	-	-	-	-
600	6G050	280	20	309	40	308	40	303	50	293	60	-	-
575	1G065	368	15	346	20	278	25	-	-	-	-	-	-
575	2G065	368	20	362	20	346	30	278	50	-	-	-	-
500	4G065	320	30	319	30	316	30	299	50	-	-	-	-
450	6H065	288	40	287	40	283	40	279	50	260	75	-	-
575	1G090	552	20	519	25	417	30	-	-	-	-	-	-
575	2G090	552	20	543	25	519	40	417	60	-	-	-	-
500	4G090	480	30	479	30	474	40	449	75	-	-	-	-
450	6H090	432	40	431	30	425	50	419	75	390	90	-	-
500	1H115	563	20	537	25	482	40	-	-	-	-	-	-
500	2H115	563	25	555	30	538	40	482	75	-	-	-	-
450	4H115	507	50	504	50	499	50	482	75	-	-	-	-
400	6J115	450	50	449	60	447	60	438	75	420	100	-	-
450	1J175	748	25	711	40	633	60	-	-	-	-	-	-
450	2J175	748	40	737	50	713	60	632	100	-	-	-	-
400	4J175	665	60	662	60	655	75	630	100	-	-	-	-
400	6K175	665	75	663	75	660	100	648	125	621	175	-	-
400	1J220	900	60	850	35	675	60	-	-	-	-	-	-
400	2J220	900	120	850	70	675	110	-	-	-	-	-	-
400	1J345	1122	30	1067	50	950	75	-	-	-	-	-	-
400	2J345	1122	40	1105	60	1070	75	948	150	-	-	-	-
400	3J345	998	50	993	75	983	100	940	150	-	-	-	-
400	3K345	998	50	993	75	983	100	940	150	-	-	-	-
400	4K345	998	60	995	100	990	120	972	150	-	-	-	-
300	1K345	985	30	907	50	744	75	-	-	-	-	-	-
300	2K345	985	60	961	60	912	100	742	150	-	-	-	-
300	3K345	985	75	973	75	947	100	863	150	-	-	-	-
300	1K620	1860	75	1700	100	1200	150	-	-	-	-	-	-
300	2K620	1860	100	1810	100	1700	150	-	-	-	-	-	-
300	1K800	2418	100	2210	125	1560	150	-	-	-	-	-	-
300	2K800	2418	125	2210	125	1560	175	-	-	-	-	-	-



MODEL NO.	STANDARD PUMP DIMENSIONS (INCHES)																	
	A	B	C	C1	C2	D	E	F	G	H	I	J	K	L	O	R	S	W
1E008	38.88	13.00	16.75	—	—	6.00	11.50	6.50	3.12	1.88	4.69	1.12	4.75	5.50	0.75	11.94	0.88	8.00
2E008	47.00	21.12	20.00	—	—	6.00	11.50	6.50	3.12	1.88	9.56	1.12	4.75	5.50	0.75	11.94	0.88	8.00
4E008	63.50	37.62	36.00	18.00	—	6.00	11.50	6.50	3.12	1.88	10.06	1.12	4.75	5.50	0.75	11.94	0.88	8.00
6E008	79.50	53.62	48.00	30.00	—	6.00	11.50	6.50	3.12	1.88	14.06	1.12	4.75	5.50	0.75	11.94	0.88	8.00
1E012	42.00	16.12	18.00	—	—	6.00	11.50	6.50	3.12	1.88	6.56	1.12	4.75	5.50	0.75	11.94	0.88	8.00
2E012	53.12	27.25	22.00	—	—	6.00	11.50	6.50	3.12	1.88	13.69	1.12	4.75	5.50	0.75	11.94	0.88	8.00
4E012	75.62	49.75	48.00	18.00	—	6.00	11.50	6.50	3.12	1.88	10.19	1.12	4.75	5.50	0.75	11.94	0.88	8.00
6E012	97.88	72.00	70.00	30.00	—	6.00	11.50	6.50	3.12	1.88	10.44	1.12	4.75	5.50	0.75	11.94	0.88	8.00
1E022	43.31	17.19	18.00	—	—	6.00	12.50	6.50	3.12	1.88	7.88	1.12	5.00	5.50	0.75	11.94	0.88	8.00
2E022	56.19	30.06	27.00	—	—	6.00	12.50	6.50	3.12	1.88	11.75	1.12	5.00	5.50	0.75	11.94	0.88	8.00
4E022	82.94	56.81	56.00	20.00	—	6.00	12.50	6.50	3.12	1.88	9.50	1.12	5.00	5.50	0.75	11.94	0.88	8.00
6F012	102.38	72.50	67.00	27.00	—	7.00	13.50	8.50	3.62	2.12	15.62	1.25	6.12	6.75	1.00	13.00	0.88	10.00
4F022	86.69	56.81	56.00	20.00	—	7.00	13.50	8.50	3.62	2.12	10.06	1.25	6.12	6.75	1.00	13.00	0.88	10.00
6F022	112.19	82.31	80.00	20.00	30.00	7.00	13.50	8.50	3.62	2.12	12.44	1.25	6.12	6.75	1.00	13.00	0.88	10.00
1F036	48.62	19.62	21.00	—	—	7.00	14.00	8.50	3.62	2.12	7.88	1.25	5.25	6.75	1.00	13.00	0.88	10.00
2F036	63.12	34.12	29.00	—	—	7.00	14.00	8.50	3.62	2.12	14.38	1.25	5.25	6.75	1.00	13.00	0.88	10.00
4F036	92.12	63.12	59.00	29.00	—	7.00	14.00	8.50	3.62	2.12	13.38	1.25	5.25	6.75	1.00	13.00	0.88	10.00
1F050	53.94	24.94	24.00	—	—	7.00	14.00	8.50	3.62	2.12	10.19	1.25	5.25	6.75	1.00	13.00	0.88	10.00
2F050	73.75	44.75	45.00	20.00	—	7.00	14.00	8.50	3.62	2.12	9.00	1.25	5.25	6.75	1.00	13.00	0.88	10.00
4F050	113.50	84.50	77.00	48.00	—	7.00	14.00	8.50	3.62	2.12	16.75	1.25	5.25	6.75	1.00	13.00	0.88	10.00
6G022	116.88	84.75	72.00	36.00	—	9.00	16.00	9.50	4.00	2.38	22.62	1.50	5.62	7.75	1.00	14.50	0.88	11.50
4G036	97.06	64.94	60.00	30.00	—	9.00	16.00	9.50	4.00	2.38	14.81	1.50	5.62	7.75	1.00	14.50	0.88	11.50
6G036	125.81	93.69	90.00	30.00	30.00	9.00	16.00	9.50	4.00	2.38	13.56	1.50	5.62	7.75	1.00	14.50	0.88	11.50
4G050	118.44	86.31	78.00	48.00	—	9.00	16.00	9.50	4.00	2.38	18.19	1.50	5.62	7.75	1.00	14.50	0.88	11.50
6G050	158.19	126.06	112.00	30.00	46.00	9.00	16.00	9.50	4.00	2.38	13.94	1.50	5.62	7.75	1.00	14.50	0.88	11.50
1G065	56.88	23.75	26.00	—	—	9.00	17.50	9.50	4.00	2.38	8.62	1.50	6.62	7.75	1.00	14.50	0.88	11.50
2G065	74.75	41.62	34.00	—	—	9.00	17.50	9.50	4.00	2.38	18.50	1.50	6.62	7.75	1.00	14.50	0.88	11.50
4G065	110.50	77.38	70.00	34.00	—	9.00	17.50	9.50	4.00	2.38	18.25	1.50	6.62	7.75	1.00	14.50	0.88	11.50
1G090	63.38	30.25	26.00	—	—	9.00	17.50	9.50	4.00	2.38	15.12	1.50	6.62	7.75	1.00	14.50	0.88	11.50
2G090	87.88	54.75	56.00	26.00	—	9.00	17.50	9.50	4.00	2.38	9.62	1.50	6.62	7.75	1.00	14.50	0.88	11.50
6H065	150.62	115.00	115.00	35.00	40.00	11.00	19.50	13.00	4.00	2.88	11.00	1.50	6.75	9.50	1.12	15.12	1.00	15.00
4H090	141.50	105.88	102.00	30.00	36.00	11.00	19.50	13.00	4.00	2.88	14.88	1.50	6.75	9.50	1.12	15.12	1.00	15.00
6H090	182.40	146.70	147.80	27.50	40.10	11.00	19.5	13.00	4.00	2.88	10.40	1.50	6.75	8.90	1.12	15.40	1.00	15.00
1H115	66.50	30.88	30.00	—	—	11.00	19.50	13.00	4.00	2.88	11.88	1.50	6.75	9.50	1.12	15.12	1.00	15.00
2H115	89.88	54.25	54.00	30.00	—	11.00	19.50	13.00	4.00	2.88	11.25	1.50	6.75	9.50	1.12	15.12	1.00	15.00
4H115	136.62	101.00	102.00	30.00	36.00	11.00	19.50	13.00	4.00	2.88	10.00	1.50	6.75	9.50	1.12	15.12	1.00	15.00
4J115	141.88	102.00	102.00	30.00	36.00	11.00	19.50	13.00	4.00	3.38	11.88	1.50	7.44	12.00	1.12	16.00	1.00	15.00
6J115	188.62	148.75	140.00	30.00	55.00	11.00	19.50	13.00	4.00	3.38	20.62	1.50	7.44	12.00	1.12	16.00	1.00	15.00
1J175	74.75	33.88	30.00	—	—	11.00	21.50	13.00	4.00	3.38	16.75	1.50	8.44	12.00	1.12	16.00	1.00	15.00
2J175	101.38	60.50	60.00	30.00	—	11.00	21.50	13.00	4.00	3.38	13.38	1.50	8.44	12.00	1.12	16.00	1.00	15.00
4J175	154.62	113.75	110.00	30.00	40.00	11.00	21.50	13.00	4.00	3.38	16.62	1.50	8.44	12.00	1.12	16.00	1.00	15.00
1J345	94.30	53.50	49.50	—	—	11.00	21.50	13.00	4.00	3.38	16.70	1.50	8.44	12.00	1.12	16.00	1.00	15.00
2J345	140.21	99.48	84.00	42.00	42.00	11.00	21.50	13.00	4.00	3.38	28.20	1.50	8.44	12.00	1.12	16.00	1.00	15.00
4K175	167.19	117.38	117.25	37.25	40.00	13.00	23.50	14.50	4.12	3.88	14.12	1.62	9.19	15.00	1.25	20.81	1.00	17.00
6K175	220.19	170.38	157.25	37.25	60.00	13.00	23.50	14.50	4.12	3.88	27.12	1.62	9.19	15.00	1.25	20.81	1.00	17.00
3K345	198.31	148.50	142.00	42.00	50.00	13.00	23.50	14.50	4.12	3.88	20.50	1.62	9.19	15.00	1.25	20.81	1.00	17.00
4K345	245.20	195.40	181.50	36.00	86.00	13.00	23.50	14.50	4.20	3.88	27.77	1.62	9.19	15.00	1.25	20.81	1.00	17.00
1K620	140.19	90.38	84.00	42.00	—	13.00	23.50	14.50	4.12	3.88	20.38	1.62	9.19	15.00	1.25	20.81	1.00	17.00
2K620	220.81	171.00	162.00	42.00	60.00	13.00	23.50	14.50	4.12	3.88	23.00	1.62	9.19	15.00	1.25	20.81	1.00	17.00
1K800	131.62	80.75	86.00	46.00	—	13.00	23.50	14.50	4.12	3.88	9.75	1.62	9.19	15.00	1.25	20.81	1.00	17.00
2K800	190.44	139.62	146.00	46.00	50.00	13.00	23.50	14.50	4.12	3.88	8.62	1.62	9.19	15.00	1.25	20.81	1.00	17.00



MODEL

CK

2000 SERIES

SUCTION FLANGE DATA (INCHES)																
SIZE	M1	P1	Z	O	SIZE	M1	P1	Z1	RF1	O1	U	U1	N	KEYWAY		
4	9.00	7.50	0.94	0.75 (8)	4	9.00	7.50	1.00		0.625-11 (8)	1.50	7.00	5.50	0.50 x 0.25	360	
4	9.00	7.50	0.94	0.75 (8)	4	9.00	7.50	1.00		0.625-11 (8)	1.50	7.00	5.50	0.50 x 0.25	390	
4	9.00	7.50	0.94	0.75 (8)	4	10.00	7.88	1.25	6.19	0.750-10 (8)	1.50	7.00	5.50	0.50 x 0.25	440	
4	9.00	7.50	0.94	0.75 (8)	4	10.00	7.88	1.25	6.19	0.750-10 (8)	1.50	7.00	5.50	0.50 x 0.25	490	
4	9.00	7.50	0.94	0.75 (8)	4	9.00	7.50	1.00	—	0.625-11 (8)	1.50	7.00	5.50	0.50 x 0.25	360	
4	9.00	7.50	0.94	0.75 (8)	4	9.00	7.50	1.00	—	0.625-11 (8)	1.50	7.00	5.50	0.50 x 0.25	390	
4	9.00	7.50	0.94	0.75 (8)	4	10.00	7.88	1.25	6.19	0.750-10 (8)	1.50	7.00	5.50	0.50 x 0.25	440	
4	9.00	7.50	0.94	0.75 (8)	4	10.00	7.88	1.25	6.19	0.750-10 (8)	1.50	7.00	5.50	0.50 x 0.25	490	
6	11.00	9.50	1.00	0.88 (8)	6	11.00	9.50	1.00	—	0.750-10 (8)	1.50	7.00	5.50	0.50 x 0.25	440	
6	11.00	9.50	1.00	0.88 (8)	6	11.00	9.50	1.00	—	0.750-10 (8)	1.50	7.00	5.50	0.50 x 0.25	520	
6	11.00	9.50	1.00	0.88 (8)	6	11.00	9.50	1.00	—	0.750-10 (8)	1.50	7.00	5.50	0.50 x 0.25	600	
6	11.00	9.50	1.00	0.88 (8)	4	10.75	8.50	1.50	6.19	0.875-9 (8)	1.50	8.00	5.50	0.50 x 0.25	665	
6	11.00	9.50	1.00	0.88 (8)	6	12.50	10.62	1.44	8.50	0.750-10 (12)	1.50	8.00	5.50	0.50 x 0.25	675	
6	11.00	9.50	1.00	0.88 (8)	6	12.50	10.62	1.44	8.50	0.750-10 (12)	1.50	8.00	5.50	0.50 x 0.25	775	
6	11.00	9.50	1.00	0.88 (8)	6	11.00	9.50	1.00	—	0.750-10 (8)	1.50	8.00	5.50	0.50 x 0.25	565	
6	11.00	9.50	1.00	0.88 (8)	6	11.00	9.50	1.00	—	0.750-10 (8)	1.50	8.00	5.50	0.50 x 0.25	715	
6	11.00	9.50	1.00	0.88 (8)	6	11.00	9.50	1.00	—	0.750-10 (8)	1.50	8.00	5.50	0.50 x 0.25	1055	
6	11.00	9.50	1.00	0.88 (8)	6	11.00	9.50	1.00		0.750-10 (8)	1.50	8.00	5.50	0.50 x 0.25	565	
6	11.00	9.50	1.00	0.88 (8)	6	11.00	9.50	1.00		0.750-10 (8)	1.50	8.00	5.50	0.50 x 0.25	715	
6	11.00	9.50	1.00	0.88 (8)	6	11.00	9.50	1.00		0.750-10 (8)	1.50	8.00	5.50	0.50 x 0.25	1055	
6	11.00	9.50	1.00	0.88 (8)	6	14.00	11.50	1.88	8.50	1.00-8 (12)	2.50	7.00	6.00	0.62 x 0.31	975	
6	11.00	9.50	1.00	0.88 (8)	6	12.50	10.62	1.44	8.50	0.750-10 (12)	2.50	7.00	6.00	0.62 x 0.31	1275	
6	11.00	9.50	1.00	0.88 (8)	6	12.50	10.62	1.44	8.50	0.750-10 (12)	2.50	7.00	6.00	0.62 x 0.31	1370	
6	11.00	9.50	1.00	0.88 (8)	6	12.50	10.62	1.44	8.50	0.750-10 (12)	2.50	7.00	6.00	0.62 x 0.31	1275	
6	11.00	9.50	1.00	0.88 (8)	6	12.50	10.62	1.44	8.50	0.750-10 (12)	2.50	7.00	6.00	0.62 x 0.31	1370	
8	13.50	11.75	1.12	0.88 (8)	8	13.50	11.75	1.12	—	0.750-10 (8)	2.50	7.00	6.00	0.62 x 0.31	1125	
8	13.50	11.75	1.12	0.88 (8)	8	13.50	11.75	1.12	—	0.750-10 (8)	2.50	7.00	6.00	0.62 x 0.31	1225	
8	13.50	11.75	1.12	0.88 (8)	8	13.50	11.75	1.12	—	0.750-10 (8)	2.50	7.00	6.00	0.62 x 0.31	1490	
8	13.50	11.75	1.12	0.88 (8)	8	13.50	11.75	1.12		0.750-10 (8)	2.50	7.00	6.00	0.62 x 0.31	1125	
8	13.50	11.75	1.12	0.88 (8)	8	13.50	11.75	1.12		0.750-10 (8)	2.50	7.00	6.00	0.62 x 0.31	1225	
8	13.50	11.75	1.12	0.88 (8)	8	15.00	13.00	1.62	10.62	0.875-9 (12)	2.50	10.00	6.50	0.75 x 0.38	2155	
8	13.50	11.75	1.12	0.88 (8)	8	15.00	13.00	1.62	10.62	0.875-9 (12)	2.50	10.00	6.50	0.75 x 0.38	1900	
8	13.50	11.75	1.12	0.88 (8)	8	15.00	13.00	1.62	10.62	0.750-10 (8)	2.50	10.00	6.50	0.75 x 0.38	2050	
8	13.50	11.75	1.12	0.88 (8)	8	13.50	11.75	1.12	—	0.750-10 (8)	2.50	10.00	6.50	0.75 x 0.38	1700	
8	13.50	11.75	1.12	0.88 (8)	8	13.50	11.75	1.12	—	0.750-10 (8)	2.50	10.00	6.50	0.75 x 0.38	1850	
8	13.50	11.75	1.12	0.88 (8)	8	13.50	11.75	1.12	—	0.750-10 (8)	2.50	10.00	6.50	0.75 x 0.38	2250	
8	13.50	11.75	1.12	0.88 (8)	8	15.00	13.00	1.62	10.62	0.875-9 (12)	2.50	12.00	6.50	0.88 x 0.44	2900	
8	13.50	11.75	1.12	0.88 (8)	8	15.00	13.00	1.62	10.62	0.875-9 (12)	2.50	12.00	6.50	0.88 x 0.44	3100	
10	16.00	14.25	1.25	1.00 (12)	10	16.00	14.25	1.25	—	0.875-9 (12)	2.50	12.00	6.50	0.88 x 0.44	2250	
10	16.00	14.25	1.25	1.00 (12)	10	16.00	14.25	1.25	—	0.875-9 (12)	2.50	12.00	6.50	0.88 x 0.44	2400	
10	16.00	14.25	1.25	1.00 (12)	10	16.00	14.25	1.25	—	0.875-9 (12)	2.50	12.00	6.50	0.88 x 0.44	2800	
10	16.00	14.25	1.25	1.00 (12)	10	16.00	14.25	1.25		0.875-9 (12)	2.50	12.00	6.50	0.88 x 0.44	3000	
10	16.00	14.25	1.25	1.00 (12)	10	16.00	14.25	1.25		0.875-9 (12)	2.50	12.00	6.50	0.88 x 0.44	3300	
10	16.00	14.25	1.25	1.00 (12)	10	17.50	15.25	1.88	12.75	1.00-8 (16)	3.00	13.00	7.50	1.00 x 0.50	3550	
10	16.00	14.25	1.25	1.00 (12)	10	17.50	15.25	1.88	12.75	1.00-8 (16)	3.00	13.00	7.50	1.00 x 0.50	4000	
10	16.00	14.25	1.25	1.00 (12)	10	16.00	14.25	1.25		0.880-9 (12)	3.00	13.00	7.50	1.00 x 0.50	3750	
10	16.00	14.25	1.25	1.00 (12)	10	17.50	15.25	1.88		1.00-8 (16)	3.00	13.00	7.50	1.00 x 0.50	4000	
10	16.00	14.25	1.25	1.00 (12)	10	16.00	14.25	1.25	—	0.875-9 (12)	3.00	13.00	7.50	1.00 x 0.50	3300	
10	16.00	14.25	1.25	1.00 (12)	10	17.50	15.25	1.88	12.75	1.00-8 (16)	3.00	13.00	7.50	1.00 x 0.50	3600	
12	19.00	17.00	1.25	1.00 (12)	14	21.00	18.75	1.62		1.000-8 (12)	3.00	13.00	7.50	1.00 x 0.50	3500	
12	19.00	17.00	1.25	1.00 (12)	14	21.00	18.75	1.62		1.000-8 (12)	3.00	13.00	7.50	1.00 x 0.50	4000	

PUMP APPLICATION REFERENCE GUIDE

The **Pump Application Data Sheet** is a convenient tool used to transmit the required information to our Application Specialists for proper pump selection.

Step 1:

For proper selection of a pump it is necessary to determine the size required for your application. The **Model Selection** table below relates capacity and pressure required for each model available. The size is also determined by how other variables (viscosity, and abrasiveness) affect horsepower requirements. The CL and CJ Models are the standard bearing unit that is a pin driven pump. The CM Model is similar to the CL Model but utilizes the bearing drive unit from the next larger pump size. The CG and CK Models are standard bearing-drive unit but is a crown gear joint driven pump. Select the size which will most appropriately meet your application needs.

MODEL SELECTION FOR CONTINENTAL PROGRESSIVE CAVITY PUMPS			
Pump Model	Approximate GPM Range	Approximate Maximum Pressure	Frame Size
CL	.9 - 400	225 PSI	2, 3, 4, 6, 8, 10, 10H, 12, 12H
CM	.1 - 24	450 PSI	1, 2, 3, 4
CG	3 - 400	225 PSI	8, 10, 10H, 12, 12H
CK	5 - 2400	780 PSI	E, F, G, H, J, K
CJ	.9 - 400	225 PSI	3, 4, 6, 8, 10, 10H

How to Size Example: Application request: 10 GPM, 100 PSI, 3500 centipoise (viscosity), .30" particle size, with light abrasives.

CL and CJ Models are for general commercial use, CM Model is for high pressure applications and the CG and CK Models are for Industrial uses.

For this application the CL Model is the best option.

Step 2:

Select the pump that is large enough to deliver more than the required capacity when operating at the maximum speed shown.

The table below is based on viscosities for one fluid and will not be correct for slurries or emulsions where each of which have different viscosities. The recommended pump speed for a mixture of fluids having different viscosities should be an approximate average of the fluids.

VISCOSITY FOR SINGLE FLUIDS FOR CONTINENTAL PROGRESSIVE CAVITY PUMPS								
Pump Model	Maximum RPM and GPM	Viscosity Measured in Centipoise						
		1 to 1000	1000 to 2500	2500 to 5000	5000 to 10,000	10,000 to 50,000	50,000 to 100,000	100,000 to 150,000
2CM1, 6CM1	Max RPM	1200	900	450	250	125	40	20
	Max GPM	0.58	0.50	0.25	.014	0.07	0.02	0.01
1CL2, 2CL2, 3CL3, 6CM2	Max RPM	1200	900	450	250	125	40	20
	Max GPM	3	2.4	1.2	0.7	0.35	0.1	0.05
1CL3, 2CL3, 3CL3, 6CM3	Max RPM	1200	900	450	250	125	40	20
	Max GPM	10	7.8	3.9	2.2	1.1	0.35	0.17
1CL4, 2CL4, 3CL4, 6CM4	Max RPM	1200	900	450	250	125	40	20
	Max GPM	24	18	9	5	2.5	0.8	0.04
1CL6, 2CL6, 3CL6	Max RPM	900	900	450	250	125	40	20
	Max GPM	47	47	23.5	13	6.5	2	1
1CL8, 2CL8, 3CL8	Max RPM	900	900	450	250	125	40	20
	Max GPM	100	100	53	29	14.5	4.7	2.3
1CL10, 2CL10, 3CL10	Max RPM	750	750	450	250	125	40	20
	Max GPM	140	140	85	47	24	7.5	3.8
1CL10H, 2CL10H	Max RPM	750	750	450	250	125	40	20
	Max GPM	210	210	125	70	35	11	5.5
1CL12, 2CL12, 3CL12	Max RPM	600	600	450	250	125	40	20
	Max GPM	261	261	196	109	54.4	17.4	8.7
1CL12H, 2CL12H	Max RPM	600	600	450	250	125	40	20
	Max GPM	391	391	293	163	81.5	26	13

PUMP APPLICATION REFERENCE GUIDE

How to Size Example: Determine the maximum RPM and GPM for this application. What we already know is that we need 10 GPM within the 450 RPM range and we have a fluid with 3500 centipoise. Go to the Viscosity Measured in Centipoise columns and choose the one that fits the application. In the 2500 to 5000 column we see that the maximum RPM is 450 for all pumps with this viscosity. We now need to determine which pump can run the required 10 GPM. The 1CL4, 2CL4, 3CL4, 6CM4 states it is 9, which is too low so we look at the next larger pump where the maximum GPM is 23.5 at 450 RPM. The CL6 pump fits within our requested application.

Step 3:

If particles in suspension are to be pumped, determine the pump that will handle the maximum dimension of the particle. Refer to the [Maximum Particle Size](#) table.

MAXIMUM PARTICLE SIZE FOR CONTINENTAL PROGRESSIVE CAVITY PUMPS								
Pump Model	2CM1 6CM1	1CL2 2CL2 3CL2 6CM2	1CL3 2CL3 3CL3 6CM3	1CL4 2CL4 3CL4 6CM4	1CL6 2CL6 3CL6	1CL8 2CL8 3CL8	1CL10 2CL10 3CL10 1CL10H 2CL10H	1CL12 2CL12 3CL12 1CL12H 2CL12H
Maximum Particle Size	.08"	.15"	.20"	.30"	.40"	.60"	.80"	1.0"

How to Size Example: Our application has .30" particle size and the CL6 pump can handle .40". Our chosen pump still meets the requirements with no adjustments to be made.

Step 4:

If the fluid in the application has abrasive materials, refer to the [Abrasive Characteristics](#) table below for the proper operating speed of the pump. When the speed selected results in a lower capacity than required in the application, you may need to change your pump selection, even if the pump will operate below the maximum recommended speed. The speed requirements for viscosity must be also be considered when selecting the proper pump. When pumping abrasive materials it is always better to run your pump at a slower speed to prolong the life of the pump.

ABRASIVE CHARACTERISTICS FOR CONTINENTAL PROGRESSIVE CAVITY PUMPS					
Pump Model	Maximum RPM and GPM	Abrasive Characteristics			
		None	Light	Medium	Heavy
2CM1, 6CM1	Max RPM	1200	900	600	300
	Max GPM	0.58	0.50	0.34	.17
1CL2, 2CL2, 3CL2, 6CM2	Max RPM	1200	900	600	300
	Max GPM	3	2.4	1.6	0.8
1CL3, 2CL3, 3CL3, 6CM3	Max RPM	1200	900	600	300
	Max GPM	10	7.8	5.2	2.6
1CL4, 2CL4, 3CL4, 6CM4	Max RPM	1200	900	600	300
	Max GPM	24	18	12	6
1CL6, 2CL6, 3CL6	Max RPM	900	675	450	225
	Max GPM	47	35.5	23.5	12
1CL8, 2CL8, 3CL8	Max RPM	900	675	450	225
	Max GPM	100	70	52.5	26.5
1CL10, 2CL10, 3CL10	Max RPM	750	565	375	190
	Max GPM	140	106	70	36
1CL10H, 2CL10H	Max RPM	750	565	375	190
	Max GPM	210	156	105	52.5
1CL12, 2CL12, 3CL12	Max RPM	600	450	300	150
	Max GPM	261	196	130	65
1CL12H, 2CL12H	Max RPM	600	450	300	150
	Max GPM	391	293	195	97.5

How to Size Example: The application states they are pumping light abrasive materials. Find the light abrasive characteristic column and the CL6 pump model to see what the maximum RPM and Maximum GPM are allowed. The maximum RPM is 675 and 35.5 GPM which falls within the application since the requirements are below the maximums.

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Step 5:

The length of the rotor and stator are designated by stages. The approximate Pressure Per Stage (PSI) where the fluid pumped has no abrasives or contains light, medium or heavy abrasives is shown in the Pressure by Stage of Rotor/Stator table below.

PRESSURE BY STAGE OF ROTOR/STATOR FOR CONTINENTAL PROGRESSIVE CAVITY PUMPS				
Frame Size	Approximate Pressure Per State (PSI)			
	Abrasive Characteristics			
	None	Light	Medium	Heavy
1 and 2	60	40	25	10
3 thru 12	75	60	35	15

How to Size Example: Our pumping fluid has light abrasives and the frame size is 6 which states that the pressure per stage for a 1CL6 is 60 PSI; if it is a 2CL6 the total pressure would be 120 PSI, and a 3 stage would be 180 PSI. Our application states that the required PSI is 100 so a 2CL6 would be the appropriate stage.

Step 6:

The performance chart at the right, also known as a pump curve, helps determine the pumping abilities of the pump model in measurements of GPM, RPM and HP (Horsepower).

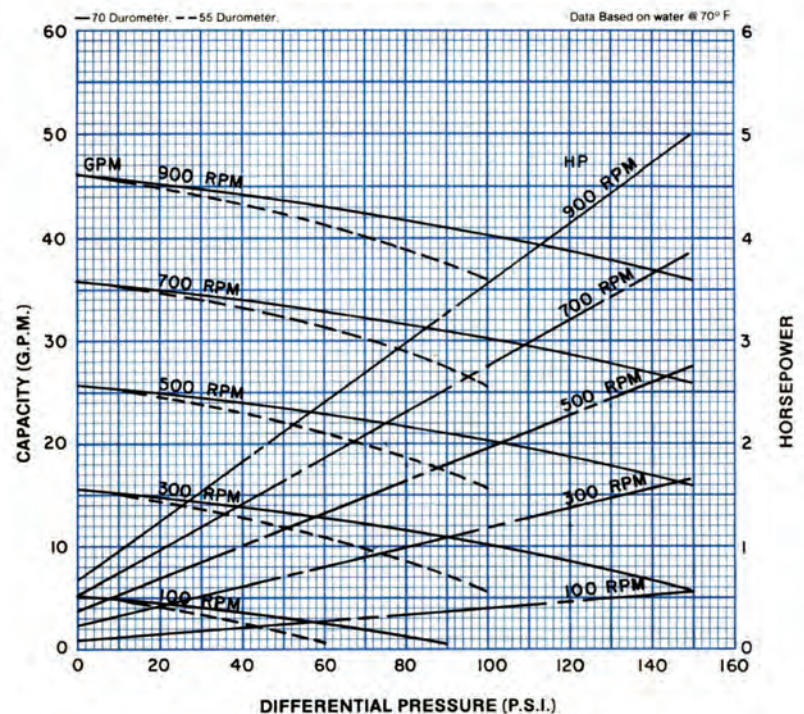
The pump curve lists all 3 items listed above, left side is for GPM, Bottom is PSI and the right is HP. The graph indicates the RPM's for both GPM and HP.

On the chart locate 10 GPM and 100 PSI, follow both lines to the intersection of the graph. The intersection occurs at the 300 RPM. This determines the RPM that the pump will be operating to get the capacity and PSI needed. This pump will be operating at: 10 GPM, 100 PSI and 300 RPM. *Please note that this solid line is for a 70 durometer elastomer and not 55 durometer, which is dotted.

How to Size Example: Review your application information: 10 GPM/ 100 PSI/ maximum 450 RPM

PERFORMANCE DATA MODEL: 2CL6

RPM	100	300	500	700	900
NPSH REQ'D	.6	1.7	2.9	4.1	6.9
MIN. HP	1/2	1 1/2	2	3	3



Step 7:

The required horsepower will need to be determined by using the same pump curve shown above.

How to Size Example: The right side of the graph translates RPM for horsepower. The HP lines start at the right of the graph and runs diagonally to the left. Find the 300 RPM in the HP section of the pump curve. Find the intersection of the 300 RPM in HP diagonal line and the 100 PSI from the bottom of the graph. Follow the straight blue line to the right from that intersection and notice that the required horsepower states 1.3 HP.

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Step 8:

Having selected the pump, the number of stages of the rotor/stator, and the performance data for the initial horsepower required to drive the pump handling fluid with relatively no viscosity (1 to 2500 Centipoise). For fluids containing increasing amounts of abrasives the horsepower needed will be greater, refer to the [Horsepower Adder due to Viscosity](#) table below for the additional HP needed for the application.

HORSEPOWER ADDER DUE TO VISCOSITY FOR CONTINENTAL PROGRESSIVE CAVITY PUMPS							
Pump	Horsepower Adder per 100 Revolutions and per Stage						
	Viscosity Measured in Centipoise						
	1 to 2500	2500 to 5000	5000 to 10,000	10,000 to 50,000	50,000 to 100,000	100,000 to 150,000	150,000 to 200,000
2CM1, 6CM1	0	0.002	0.0025	0.003	0.007	0.01	0.0142
1CL2, 2CL2, 3CL2, 6CM2	0	0.01	0.015	0.016	0.032	0.046	0.056
1CL3, 2CL3, 3CL3, 6CM3	0	0.03	0.04	0.05	0.11	0.15	0.19
1CL4, 2CL4, 3CL4, 6CM4	0	0.06	0.09	0.12	0.25	0.35	0.44
1CL6, 2CL6, 3CL6	0	0.17	0.23	0.31	0.64	0.91	1.12
1CL8, 2CL8, 3CL8	0	0.37	0.52	0.71	1.43	2.05	2.52
1CL10, 2CL10, 3CL10	0	0.6	0.83	1.13	2.3	3.29	4.06
1CL10H, 2CL10H	0	0.88	1.22	1.67	3.39	4.83	5.97
1CL12, 2CL12, 3CL12	0	1.4	2	2.7	5.3	4.7	9
1CL12H, 2CL12H	0	2.1	2.9	4	8	11.3	13.2

How to Size Example: Our application states the viscosity is 3500 centipoise, so additional HP will be required to perform up to the required standards. Using the chart above find the column for the needed 3500 centipoise and the 2CL6 model, which is 0.17. Multiply the increased horsepower (0.17) per 100 revolutions (3 for 300 RPM) per stage (2 stage rotor/stator). $0.17 \times 3 \times 2 = 1.02$. Add this amount to the initial horsepower to determine the final horsepower required. $1.3 + 1.02 = 2.32$. Rounding up the final HP needed is 2.5 HP

Step 9:

Having selected the horsepower required to drive the pump, additional HP is needed to overcome the starting torque for the pump. We recommend multiplying the HP by **1.3—1.5** to determine the final HP you should use.

HORSEPOWER NEEDED FOR STARTING TORQUE		
INITIAL HP		RECOMMENDED HP
2 HP	x1.5	3HP

We know for this specific application that a 2CL6 pump can be used. Please refer to www.continentalultrapumps.com for the **How Progressive Cavity Pumps Work** reference sheet for the **Model Number Nomenclature** and **Chemical Compatibility** to determine for the material of construction for your Continental Progressive Cavity Pump.



29425 State Hwy B | Warrenton, MO 63383
Phone: 636.456.6006 | Fax: 636.456.4337
www.continentalultrapumps.com