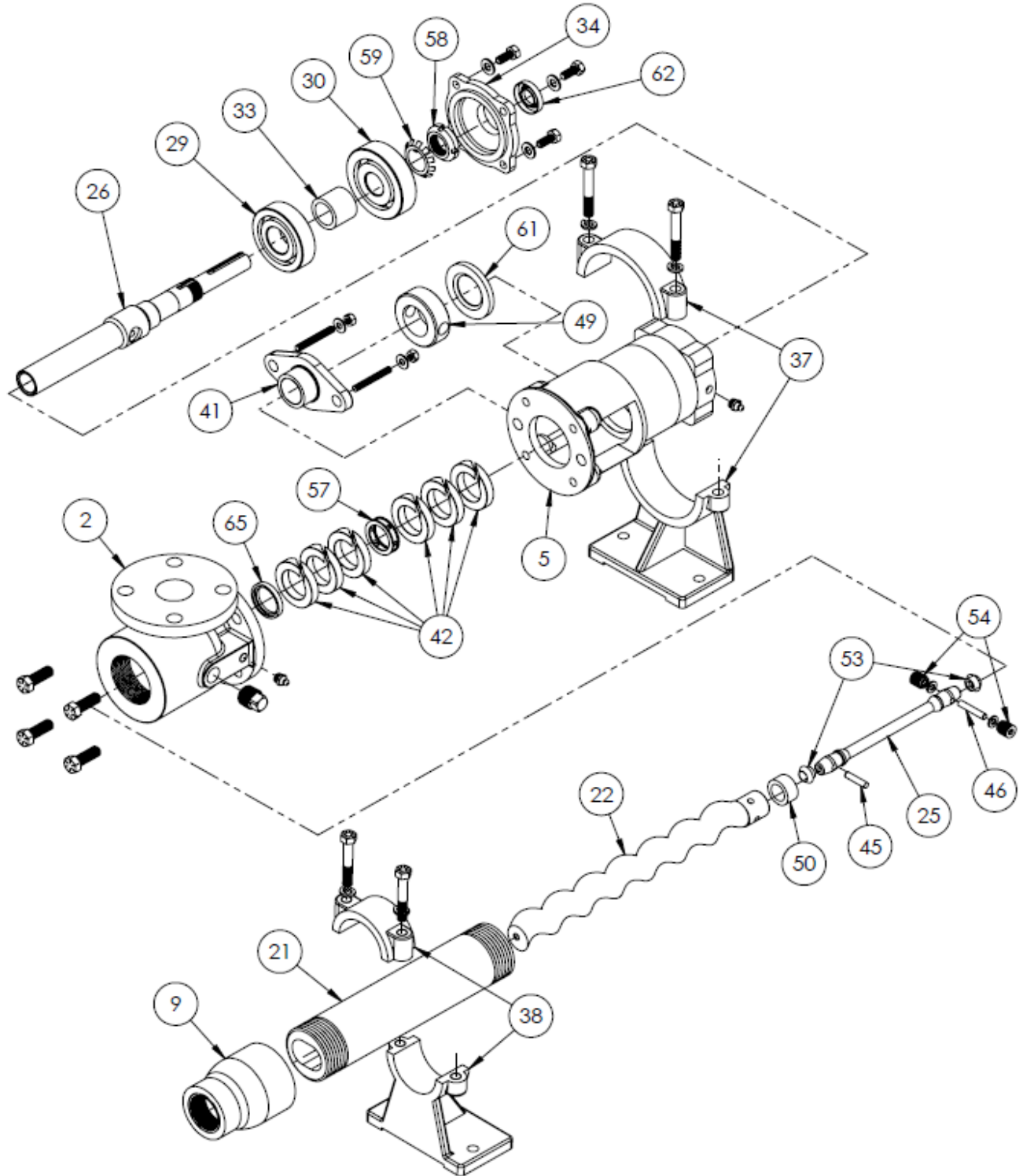




Continental Progressive Cavity Pump CL Model CL4 Pump



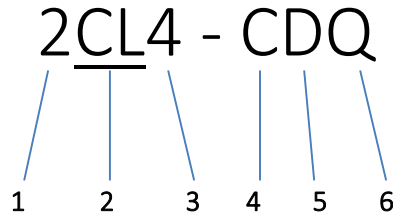
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CL Model Number Nomenclature:

Materials used in the pumps are based on the fluid to be handled and are indicated in the model number nomenclature.



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

Continental Part Description	Continental Letter Designation	Part Materials
Pump Body	C	Cast Iron
	S	316 Stainless Steel (CF8M)
Rotor	D	Chrome Plated Alloy Steel
	S	Chrome Plated Stainless Steel
Stator*	Q	Buna Nitrile
	R	Natural Rubber
	B	EPDM
	F	Viton®
Internal Parts	CS	Carbon Steel
	S	Stainless Steel

*The Stator Elastomers can be furnished in either: C – Carbon Steel Sleeve or S – Stainless Steel Sleeve.

Example: QC is for Buna Nitrile Elastomer with Carbon Steel Sleeve.

Packing Sets: All sets are Formed and Cut Rings.

Teflon coated: General Service to handle are Caustics, mild acids, chemicals, solvents, oils. Temperature to 300°, pH range 2-10.

Graphite: General Service to handle are Strong caustics, acids, chemicals and high pressure steam. Temperature to 1200° in steam and 800° in oxidizing atmospheres, pH range 0-14.


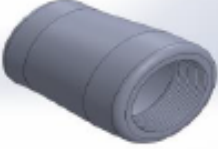
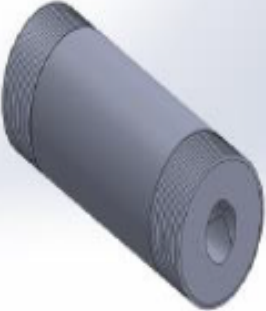
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CL Model

Replacement Parts for CL4 Pump

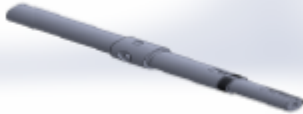


Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Suction Body	CL4-2C CL4-2S	CL4
	Bearing Housing	CL4-5C	CL4
	Reducer	CL4-9C CL4-9S	CL4
	Stator*	1CL4-21QC 1CL4-21BC 1CL4-21RC 1CL4-21FC	CL4
		2CL4-21QC 2CL4-21BC 2CL4-21RC 2CL4-21FC	CL4
		3CL4-21QC 3CL4-21BC 3CL4-21RC 3CL4-21FC	CL4

*Other elastomer options are available upon request

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Stator*	1CL4-21QS 1CL4-21BS 1CL4-21RS 1CL4-21FS	CL4
		2CL4-21QS 2CL4-21BS 2CL4-21RS 2CL4-21FS	CL4
		3CL4-21QS 3CL4-21BS 3CL4-21RS 3CL4-21FS	CL4
*Other elastomer options are available upon request			
	Rotor**	1CL4-22D 2CL4-22D 3CL4-22D	CL4
		1CL4-22S 2CL4-22S 3CL4-22S	CL4
**Undersized and Non-Plated Rotors are available upon request			
	Connecting Rod	CL4-25CS CL4-25S	CL4
	Drive Shaft	CL4-26CS CL4-26S	CL4
	Ball Bearing (Radial)	CL4-29	CL4
	Ball Bearing (Thrust)	CL4-30	CL4
	Bearing Spacer	CL4-33CS	CL4

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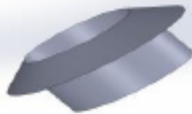











Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Bearing Cover Plate	CL4-34C	CL4
	Pump Support	CL4-37C	CL4
	Stator Support	CL4-38C	CL4
	Packing Gland	CL4-41C CL4-41S	CL4
	Packing Set, Teflon Coated	CL4-42	CL4
	Packing Set, Graphite	CL4-42G	CL4
	Rotor Pin	CL4-45CS CL4-45S	CL4
	Shaft Pin	CL4-46CS CL4-46S	CL4
	Shaft Collar	CL4-49CS	CL4
	Rotor Band	CL4-50CS CL4-50S	CL4

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Connecting Rod Washer (2 Req.)	CL4-53Q CL4-53B CL4-53F	CL4
	Drive Pin Retainer Screw (2 Req.)	CL4-54CS CL4-54S	CL4
	Lantern Ring, 1 Piece	CL4-57S	CL4
	Bearing Lock Nut, Carbon Steel	CL4-58	CL4
	Bearing Lock Washer, Carbon Steel	CL4-59	CL4
	Grease Seal (Radial)	CL4-61	CL4
	Grease Seal (Thrust)	CL4-62	CL4
	Packing Gland Insert	CL4-65S	CL4
	Drive Pin Washer, Stainless Steel (2 Req.)	CL4-73	CL4
	Component Seal	CL4-81F	CL4

*Other elastomer options are available upon request

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Component Seal Gland	CL4-82S	CL4
<i>No Image Available</i>	Cartridge Mechanical Seal	Contact Us	CL4

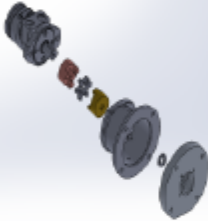
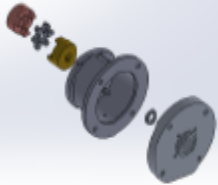

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CL Model

Replacement Kits for CL4 Pump

Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	<u>Hydraulic Motor Kit</u> Includes: Hydraulic Motor, Motor Adapter, Adapter Flange (CL4-35A), Grease Seal (CL4-62), & Couplings: L-099 x 1", L-099 x 15/16" & L-099/100 Sox Spider.	CL4-HYD	CL4
	<u>Hydraulic Kit (No Motor)</u> Includes: Hydraulic Motor Adapter, Adapter Flange (CL4-35A), Grease Seal (CL4-62) & Couplings: L-099 x 1", L-099 x 15/16" & L-099/100 Sox Spider.	CL4-HYDNM	CL4
	<u>Connecting Rod Kit:</u> Includes: QTY 1: Connecting Rod, Rotor Pin, Shaft Pin, Rotor Band. QTY 2: Connecting Rod Washers, Drive Pin Retainer Screws and Drive Pin Washers.	CL4-25KQC CL4-25KBC CL4-25KFC	CL4
		CL4-25KQS CL4-25KBS CL4-25KFS	CL4

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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 how corrosive your liquid is. 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 4 types of elastomers. The rubber materials are: Buna Nitrile, Natural Rubber, EPDM and Viton®. The rubber that is best for your application depends on what liquid you are pumping and at what temperature, as it plays a vital role in which to select.

The rotors are available in Chrome Plated Alloy Steel and Stainless Steel, but is dependent on the pH level and the corrosiveness of your liquid. In certain pH levels a non plated rotor may need to be used, as it could lift the chrome off of the rotor.

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 & Guard, a Gear Reducer and Motor. Also available are Belt Drive Units 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 Model Pumps.

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, Gear Boxes and Motors.

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