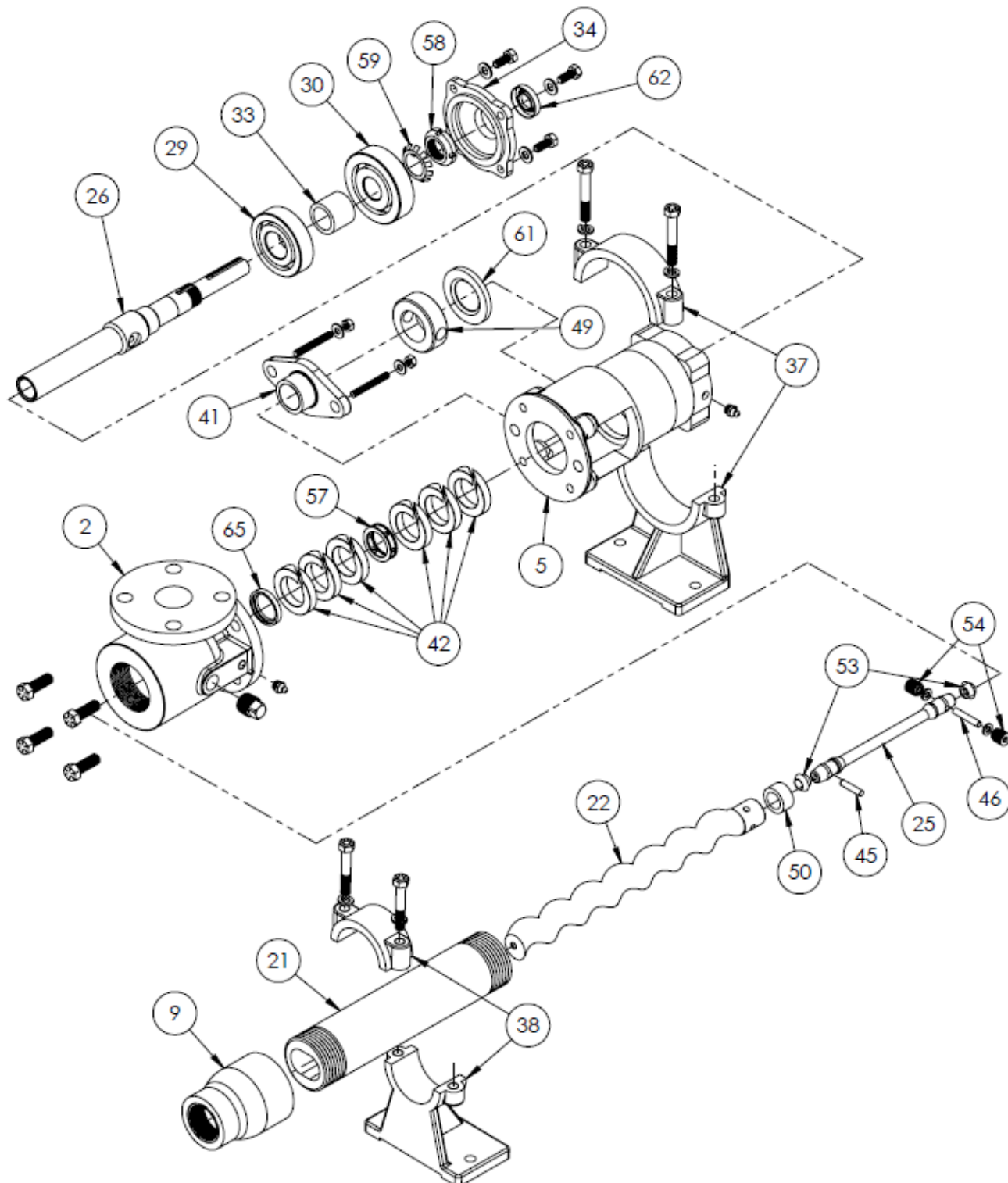




Continental Progressive Cavity Pump CL Model CL3 Pump



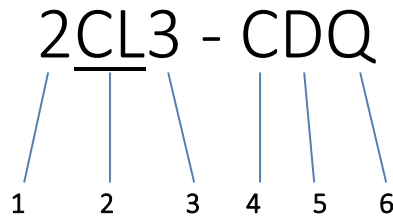
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CL Model Number Nomenclature:

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 CL3 Pump

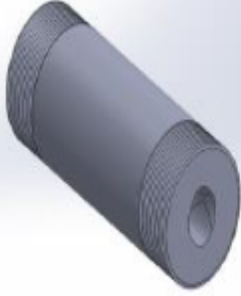



Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Suction Body	CL3-2C CL3-2S	CL3
	Bearing Housing	CL3-5C	CL3
	Reducer	CL3-9C CL3-9S	CL3
	Stator*	1CL3-21QC 1CL3-21BC 1CL3-21RC 1CL3-21FC	CL3
		2CL3-21QC 2CL3-21BC 2CL3-21RC 2CL3-21FC	CL3
		3CL3-21QC 3CL3-21BC 3CL3-21RC 3CL3-21FC	CL3

*Other elastomer options are available upon request

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Stator*	1CL3-21QS 1CL3-21BS 1CL3-21RS 1CL3-21FS	CL3
		2CL3-21QS 2CL3-21BS 2CL3-21RS 2CL3-21FS	CL3
		3CL3-21QS 3CL3-21BS 3CL3-21RS 3CL3-21FS	CL3
		*Other elastomer options are available upon request	
		1CL3-22D 2CL3-22D 3CL3-22D	CL3
		1CL3-22S 2CL3-22S 3CL3-22S	CL3
		**Undersized and Non-Plated Rotors are available upon request	
		Connecting Rod	CL3-25CS CL3-25S
		Drive Shaft	CL3-26CS CL3-26S
	Ball Bearing (Radial)	CL3-29	CL3
	Ball Bearing (Thrust)	CL3-30	CL3
	Bearing Spacer	CL3-33CS	CL3

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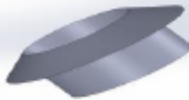











Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Bearing Cover Plate	CL3-34C	CL3
	Pump Support	CL3-37C	CL3
	Stator Support	CL3-38C	CL3
	Packing Gland	CL3-41C CL3-41S	CL3
	Packing Set, Teflon Coated	CL3-42	CL3
	Packing Set, Graphite	CL3-42G	CL3
	Rotor Pin	CL3-45CS CL3-45S	CL3
	Shaft Pin	CL3-46CS CL3-46S	CL3
	Shaft Collar	CL3-49CS	CL3
	Rotor Band	CL3-50CS CL3-50S	CL3

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Connecting Rod Washer (2 Req.)	CL3-53Q CL3-53B CL3-53F	CL3
	Drive Pin Retainer Screw (2 Req.)	CL3-54CS CL3-54S	CL3
	Lantern Ring, 1 Piece	CL3-57S	CL3
	Bearing Lock Nut, Carbon Steel	CL3-58	CL3
	Bearing Lock Washer, Carbon Steel	CL3-59	CL3
	Grease Seal (Radial)	CL3-61	CL3
	Grease Seal (Thrust)	CL3-62	CL3
	Packing Gland Insert	CL3-65S	CL3
	Drive Pin Washer, Stainless Steel (2 Req.)	CL3-73	CL3
	Component Seal***	CL3-81F	CL3

*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***	CL3-82S	CL3
<i>No Image Available</i>	Cartridge Mechanical Seal	Contact Us	CL3

***Stuffing box will need to be modified, contact us for more information.

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CL Model



Replacement Kits for CL3 Pump

Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	<u>Hydraulic Motor Kit:</u> Includes: Hydraulic Motor, Motor Adapter, Adapter Flange (CL3-35A), Grease Seal (CL3-62), & Couplings: L-099 x 1", L-099 x 3/4" & L-099/100 Sox Spider.	CL3-HYD	CL3
	<u>Hydraulic Kit (No Motor):</u> Includes: Hydraulic Motor Adapter, Adapter Flange (CL3-35A), Grease Seal (CL3-62) & Couplings: L-099 x 1", L-099 x 3/4" & L-099/100 Sox Spider.	CL3-HYDNM	CL3
	<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.	CL3-25KQC CL3-25KBC CL3-25KFC	CL3
		CL3-25KQS CL3-25KBS CL3-25KFS	CL3

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	<u>Bearing Kit:</u> Includes: Ball Bearing (Radial & Thrust), Bearing Spacer, Bearing Lock Nut & Washer, Grease Seal (Radial & Thrust)	CL3-29K	CL3
	<u>Component Seal Kit:</u> Includes QTY 1: Viton Component Seal & Stainless Steel Gland	CL3-81KFS	CL3

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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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