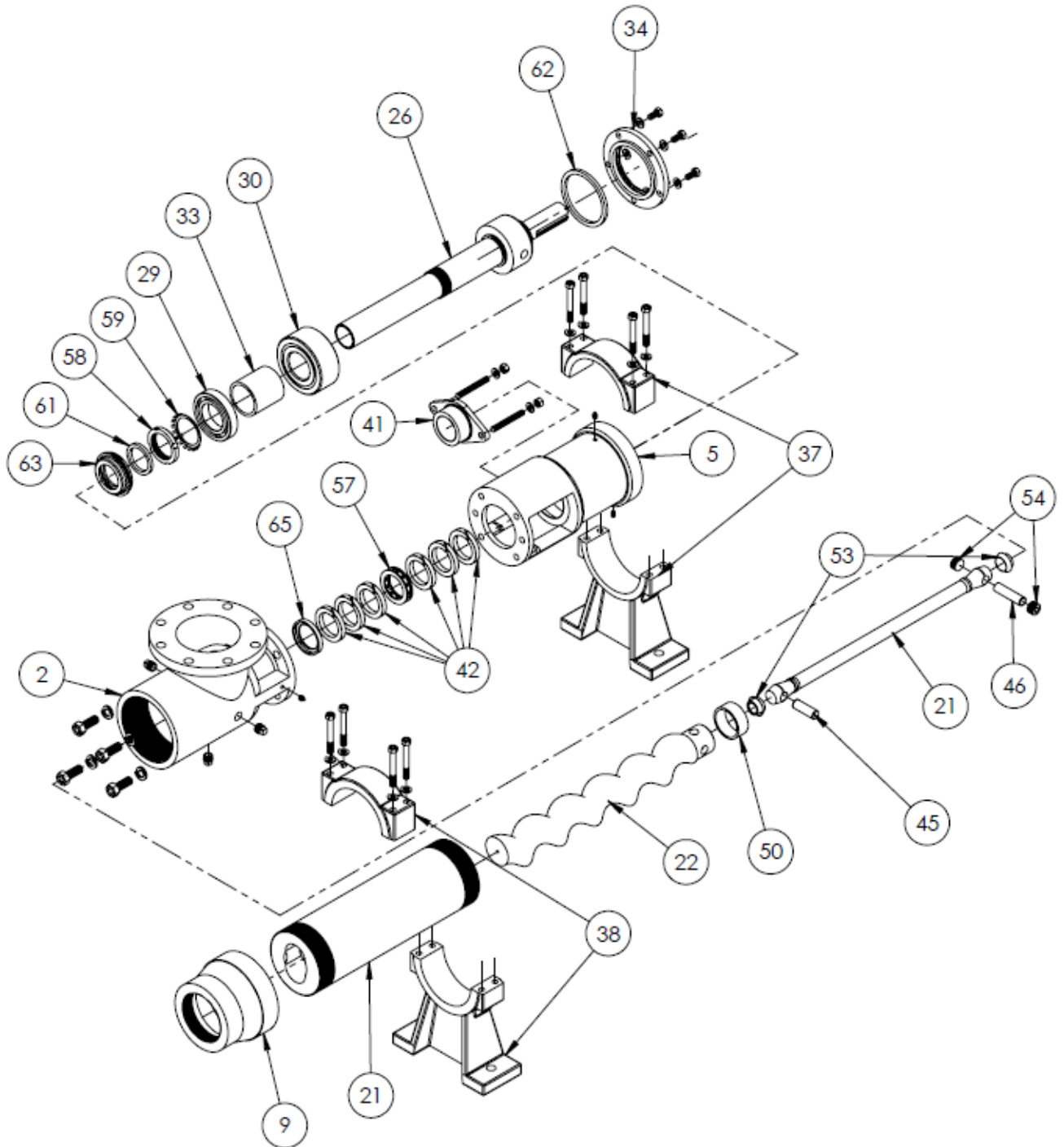




### Continental Progressive Cavity Pump CL Model CL10 Pump



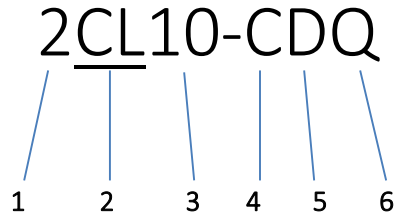
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### CL Model Number Nomenclature:

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 CL10 Pump

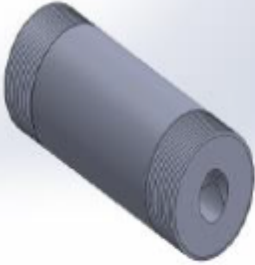
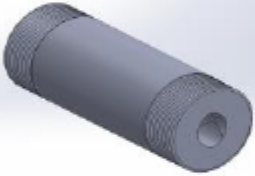
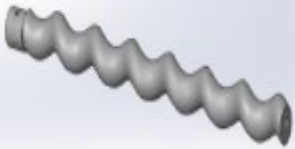

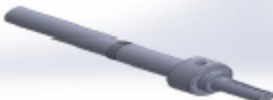
Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Suction Body	CL10-2C CL10-2S	CL10
	Bearing Housing	CL10-5C	CL10
	Reducer	CL10-9C CL10-9S	CL10
	Stator*	1CL10-21QC 1CL10-21BC 1CL10-21RC 1CL10-21FC	CL10
		2CL10-21QC 2CL10-21BC 2CL10-21RC 2CL10-21FC	CL10
		3CL10-21QC 3CL10-21BC 3CL10-21RC 3CL10-21FC	CL10
		1CL10H-21QC 1CL10H-21BC 1CL10H-21RC 1CL10H-21FC	CL10
	Stator*	2CL10H-21QC 2CL10H-21BC 2CL10H-21RC 2CL10H-21FC	CL10

\*Other elastomer options are available upon request

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Stator*	1CL10-21QS 1CL10-21BS 1CL10-21RS 1CL10-21FS	CL10
		2CL10-21QS 2CL10-21BS 2CL10-21RS 2CL10-21FS	CL10
		3CL10-21QS 3CL10-21BS 3CL10-21RS 3CL10-21FS	CL10
	Stator*	1CL10H-21QS 1CL10H-21BS 1CL10H-21RS 1CL10H-21FS	CL10
		2CL10H-21QS 2CL10H-21BS 2CL10H-21RS 2CL10H-21FS	CL10
*Other elastomer options are available upon request			
	Rotor**	1CL10-22D 2CL10-22D 3CL10-22D	CL10
		1CL10-22S 2CL10-22S 3CL10-22S	CL10
		1CL10H-22D 2CL10H-22D	CL10
		1CL10H-22S 2CL10H-22S	CL10
**Undersized and Non-Plated Rotors are available upon request			
	Connecting Rod	CL10-25CS CL10-25S	CL10
	Drive Shaft	CL10-26CS CL10-26S	CL10

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Ball Bearing (Radial)	CL10-29	CL10
	Ball Bearing (Thrust)	CL10-30	CL10
	Bearing Spacer	CL10-33CS	CL10
	Bearing Cover Plate	CL10-34C	CL10
	Pump Support	CL10-37C	CL10
	Stator Support**	CL10-38C	CL10
	Packing Gland	CL10-41C CL10-41S	CL10
	Packing Set, Teflon Coated	CL10-42	CL10
	Packing Set, Graphite	CL10-42G	CL10
	Rotor Pin	CL10-45CS CL10-45S	CL10

\*\*2 Stator Supports are required for 3CL10 and 2CL10H Pumps.

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Shaft Pin	CL10-46CS CL10-46S	CL10
	Rotor Band	CL10-50CS CL10-50S	CL10
	Connecting Rod Washer (2 Req.)	CL10-53Q CL10-53B CL10-53F	CL10
	Drive Pin Retainer Screw (2 Req.)	CL10-54CS CL10-54S	CL10
	Lantern Ring, 1 Piece	CL10-57S	CL10
	Lantern Ring Set, Teflon	CL10-57T	CL10
	Bearing Lock Nut, Carbon Steel	CL10-58	CL10
	Bearing Lock Washer, Carbon Steel	CL10-59	CL10
	Grease Seal, Felt (Radial)	CL10-61	CL10
	Grease Seal, Felt (Thrust)	CL10-62	CL10

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Grease Seal Retainer	CL10-63CS	CL10
	Packing Gland Insert	CL10-65S	CL10
	Bearing Cover Plate Gasket	CG8/10-85	CL10
	Component Seal	CL10-81F	CL10
*Other elastomer options are available upon request			
	Component Seal Gland	CL10-82S	CL10
<i>No Image Available</i>	Cartridge Mechanical Seal	Contact Us	CL10

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## CL Model

### Replacement Kits for CL10 Pump

Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	<u>Connecting Rod Kit:</u> Includes: QTY 1: Connecting Rod, Rotor Pin, Shaft Pin, Rotor Band. QTY 2: Connecting Rod Washers	CL10-25KQC CL10-25KBC CL10-25KFC	CL10
		CL10-25KQS CL10-25KBS CL10-25KFS	CL10
	<u>Bearing Kit:</u> Includes: Ball Bearing (Radial & Thrust), Bearing Spacer, Bearing Lock Nut & Washer, Grease Seal (Radial & Thrust)	CL10-29K	CL10
	<u>Component Seal Kit:</u> Includes QTY 1: Viton Component Seal & Stainless Steel Gland	CL10-81KFS	CL10

*Hydraulic Motor Kit and Hydraulic Kit (No Motor) are not available for CL10 & CL10H*

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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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