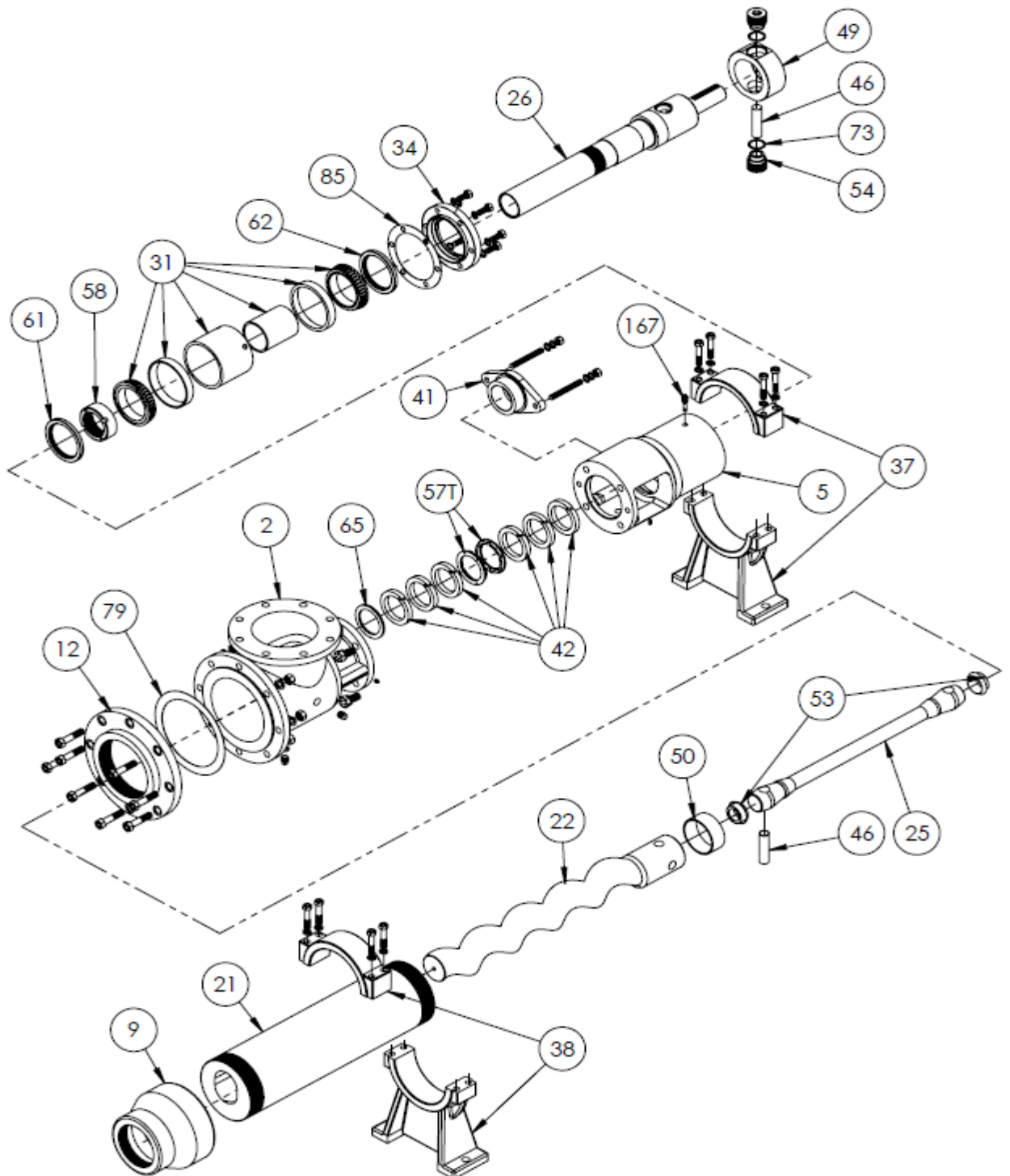




## Continental Progressive Cavity Pump CL Model CL12 Pump



### Continental Pump Company

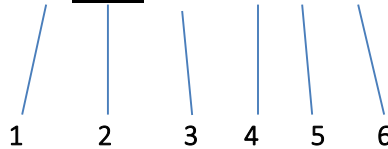
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### CL Model Number Nomenclature:

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

2CL12-CDQ



- (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.



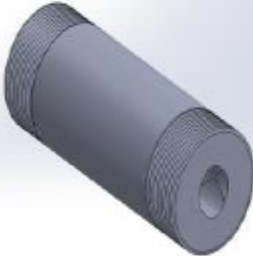
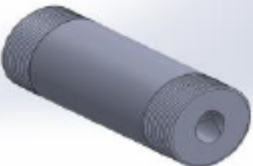
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## CL Model

### Replacement Parts for CL12 Pump

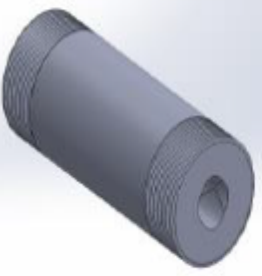
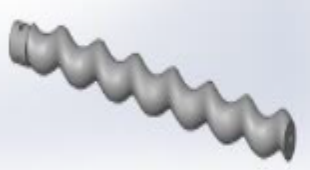
Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Suction Body	CL12-2C CL12-2S	CL12
	Bearing Housing	CL12-5C	CL12
	Reducer	CL12-9C CL12-9S	CL12
	Adapter Flange	CG12-12C CG12-12S	CL12
	Stator*	1CL12-21QC 1CL12-21BC 1CL12-21RC 1CL12-21FC	CL12
		2CL12-21QC 2CL12-21BC 2CL12-21RC 2CL12-21FC	CL12
		3CL12-21QC 3CL12-21BC 3CL12-21RC 3CL12-21FC	CL12
		1CL12H-21QC 1CL12H-21BC 1CL12H-21RC 1CL12H-21FC	CL12
		2CL12H-21QC 2CL12H-21BC 2CL12H-21RC 2CL12H-21FC	CL12

\*Other elastomer options are available upon request

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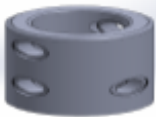

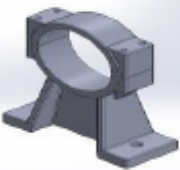
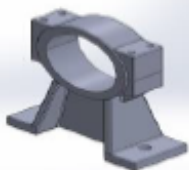


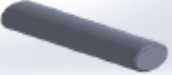


Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Stator*	1CL12-21QS 1CL12-21BS 1CL12-21RS 1CL12-21FS	CL12
		2CL12-21QS 2CL12-21BS 2CL12-21RS 2CL12-21FS	CL12
		3CL12-21QS 3CL12-21BS 3CL12-21RS 3CL12-21FS	CL12
		1CL12H-21QS 1CL12H-21BS 1CL12H-21RS 1CL12H-21FS	CL12
		2CL12H-21QS 2CL12H-21BS 2CL12H-21RS 2CL12H-21FS	CL12
		*Other elastomer options are available upon request	
		1CL12-22D 2CL12-22D 3CL12-22D	CL12
		1CL12H-22D 2CL12H-22D	CL12
		1CL12-22S 2CL12-22S 3CL12-22S	CL12
	Rotor	1CL12H-22S 2CL12H-22S	CL12
		**Undersized and Non-Plated Rotors are available upon request	
		CL12-25C CL12-25S	CL12
		CL12-26C CL12-26S	CL12
		Connecting Rod	
		Drive Shaft	

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Roller Bearing Assembly	CL12-31	CL12
	Rotor Head (for Small Head Rotors)	CL12-32	CL12
	Bearing Cover Plate	CL12-34C	CL12
	Pump Support	CL12-37C	CL12
	Stator Support**	CL12-38C	CL12
	Packing Gland	CL12-41C CL12-41S	CL12
	Packing Set, Teflon Coated	CL12-42	CL12
	Packing Set, Graphite	CL12-42G	CL12
	Rotor & Shaft Pin (2 Required, except for Small Rotor Head 3 required)	CL12-45/46C CL12-45/46S	CL12

\*\*2 Stator Supports are required for 3CL12 and 2CL12H Pumps.

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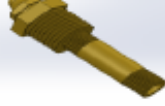




Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Shaft Collar	CL12-49C	CL12
	Rotor Band	CL12-50C CL12-50S	CL12
	Connecting Rod Washer (2 Req.)	CL12-53Q CL12-53B CL12-53R CL12-53F	CL12
	Drive Pin Retainer Screw (2 Req.)	CL12-54C CL12-54S	CL12
	Lantern Ring Set, Teflon	CL12-57T	CL12
	Bearing Lock Nut	CL12-58	CL12
	Grease Seal, Radial and Thrust (2 Required)	CL12-61/62	CL12
	Packing Gland Insert	CL12-65S	CL12
	Drive Pin Washer (2 Req.)	CL12-73	CL12
	Gasket	CG12-79	CL12

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Cover Plate Gasket	CL12-85	CL12
	O Ring (Rotor Head)	CL12-110B	CL12
	Spud	CL12-167	CL12
	Component Seal	CL12-81F	CL12
*Other elastomer options are available upon request			
	Component Seal Gland	CL12-82S	CL12
No Image Available	Cartridge Mechanical Seal	Contact Us	CL12




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## CL Model

### Replacement Kits for CL12 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, Drive Pin Retainer Screws and Drive Pin Washers.	CL12-25KQC CL12-25KBC CL12-25KFC	CL12
		CL12-25KQS CL12-25KBS CL12-25KFS	CL12
	<u>Bearing Kit:</u> Includes: Ball Bearing (Radial & Thrust), Bearing Spacer, Bearing Lock Nut & Washer, Grease Seal (Radial & Thrust)	CL12-29K	CL12
	<u>Component Seal Kit:</u> Includes QTY 1: Viton Component Seal & Stainless Steel Gland	CL12-81KFS	CL12

*Hydraulic Motor Kit and Hydraulic Kit (No Motor) are not available for CL12 & CL12H*

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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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