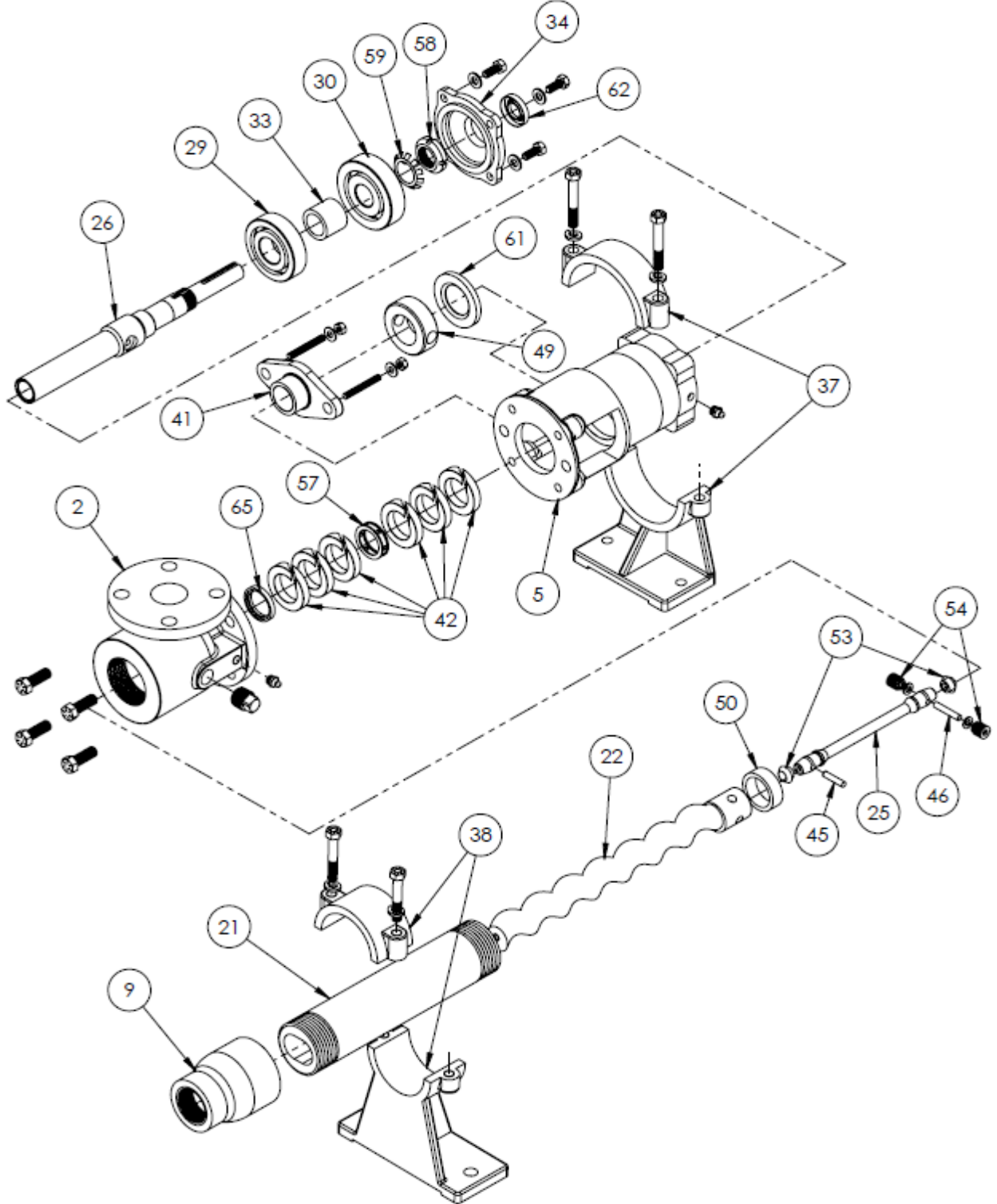




Continental Progressive Cavity Pump CM Model CM4 Pump



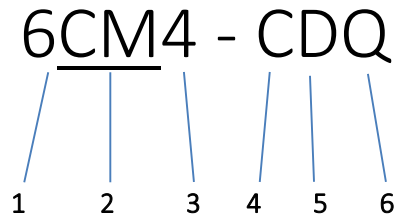
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CM Model Number Nomenclature:

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.


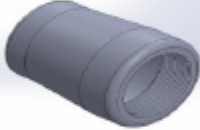
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CM Model

Replacement Parts for CM4 Pump

Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Suction Body	CL6-2C CL6-2S	CM4
	Bearing Housing	CL6-5C	CM4
	Reducer	CL6-9C CL6-9S	CM4
	Stator*	3CM4-21QC 3CM4-21BC 3CM4-21RC 3CM4-21FC	CM4
		6CM4-21QC 6CM4-21BC 6CM4-21RC 6CM4-21FC	CM4
		3CM4-21QS 3CM4-21BS 3CM4-21RS 3CM4-21FS	CM4
		6CM4-21QS 6CM4-21BS 6CM4-21RS 6CM4-21FS	CM4

*Other elastomer options are available upon request

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Rotor**	3CM4-22D 6CM4-22D	CM4
		3CM4-22S 6CM4-22S	CM4
**Undersized and Non-Plated Rotors are available upon request			
	Connecting Rod	CL6-25CS CL6-25S	CM4
	Drive Shaft	CL6-26CS CL6-26S	CM4
	Ball Bearing (Radial)	CL6-29	CM4
	Ball Bearing (Thrust)	CL6-30	CM4
	Bearing Spacer	CL6-33CS	CM4
	Bearing Cover Plate	CL6-34C	CM4
	Pump Support	CL6-37C	CM4

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Stator Support**	CL6-38C	CM4
	Packing Gland	CL6-41C CL6-41S	CM4
	Packing Set, Teflon Coated	CL6-42	CM4
	Packing Set, Graphite	CL6-42G	CM4
	Rotor Pin	CL6-45CS CL6-45S	CM4
	Shaft Pin	CL6-46CS CL6-46S	CM4
	Shaft Collar	CL6-49CS	CM4
	Rotor Band	CL6-50CS CL6-50S	CM4
	Connecting Rod Washer (2 Req.)	CL6-53Q CL6-53B CL6-53F	CM4
	Drive Pin Retainer Screw (2 Req.)	CL6-54CS CL6-54S	CM4

**2 Stator Supports are required for 6CM4 pump.

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Lantern Ring, 1 Piece	CL6-57S	CM4
	Bearing Lock Nut, Carbon Steel	CL6-58	CM4
	Bearing Lock Washer, Carbon Steel	CL6-59	CM4
	Grease Seal (Radial)	CL6-61	CM4
	Grease Seal (Thrust)	CL6-62	CM4
	Packing Gland Insert	CL6-65S	CM4
	Drive Pin Washer, Stainless Steel (2 Req.)	CL6-73	CM4
	Component Seal	CL6-81F	CM4
*Other elastomer options are available upon request			
	Component Seal Gland	CL6-82S	CM4
No Image Available	Cartridge Mechanical Seal	Contact Us	CM4

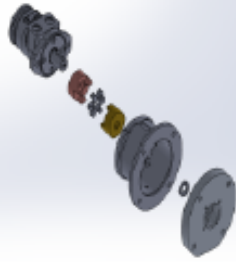
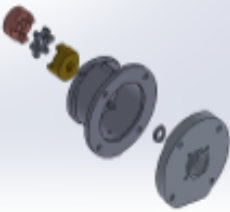

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CM Model



Replacement Kits for CM4 Pump

Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	<u>Hydraulic Motor Kit</u> Includes: Hydraulic Motor, Motor Adapter, Adapter Flange (CL6-35A), Grease Seal (CL6-62), & Couplings: L-100 x 1", L-100 x 1 1/8" & L-099/100 Sox Spider.	CL6-HYD	CM4
	<u>Hydraulic Kit (No Motor)</u> Includes: Hydraulic Motor Adapter, Adapter Flange (CL6-35A), Grease Seal (CL6-62) & Couplings: L-100 x 1", L-100 x 1 1/8" & L-099/100 Sox Spider.	CL6-HYDNM	CM4
	<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.	CL6-25KQC CL6-25KBC CL6-25KFC	CM4
		CL6-25KQS CL6-25KBS CL6-25KFS	CM4

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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).	CL6-29K	CM4
	<u>Component Seal Kit:</u> Includes QTY 1: Viton Component Seal & Stainless Steel Gland	CL6-81KFS	CM4

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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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