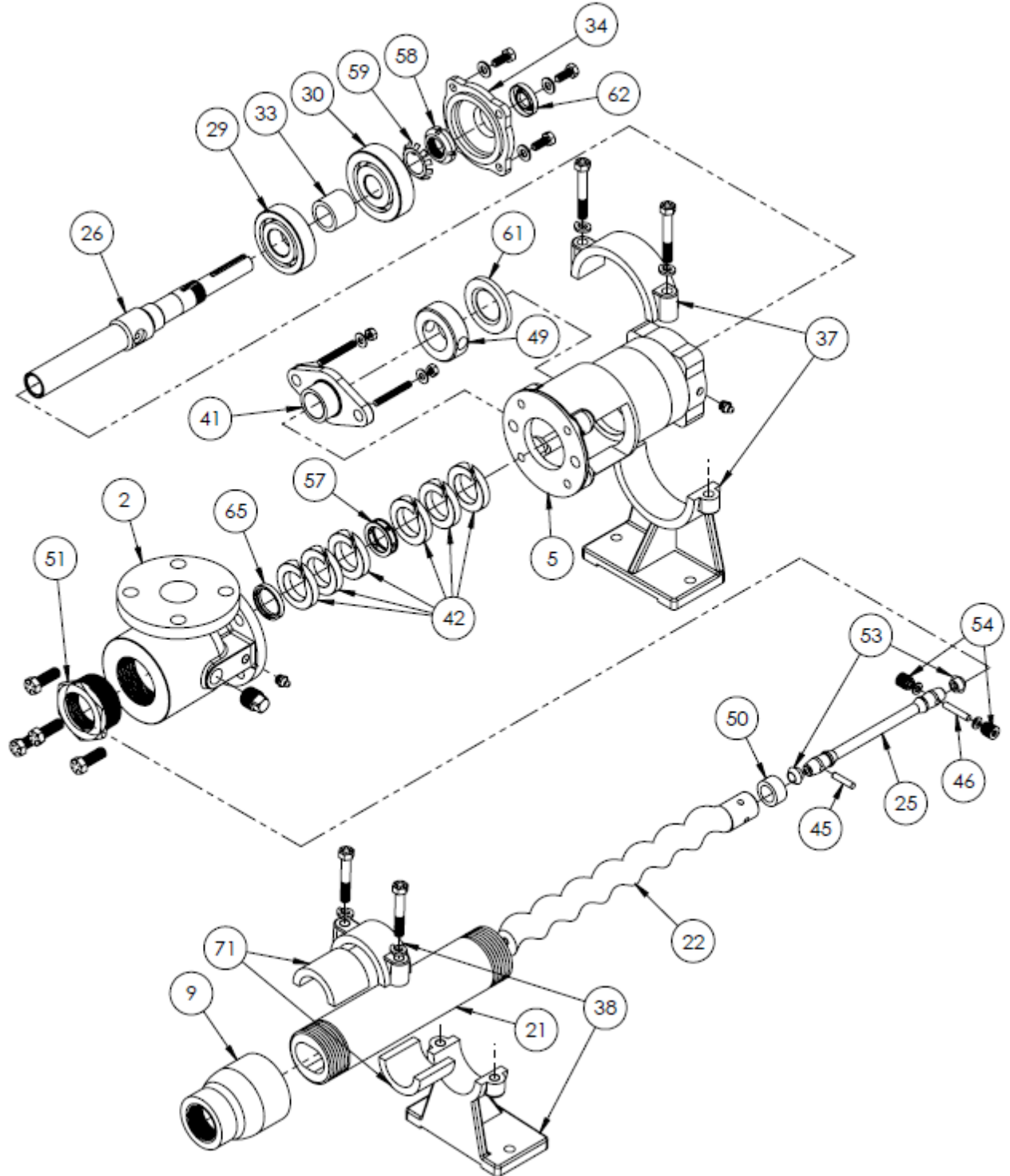




Continental Progressive Cavity Pump CM Model CM2 Pump



Continental Pump Company

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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.

2CM2 - CDQ

123456

- (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 CM2 Pump

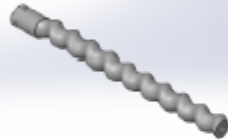
Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Suction Body	CL3-2C CL3-2S	CM2
	Bearing Housing	CL3-5C	CM2
	Reducer	CL3-9C CL3-9S	CM2
	Adapter Bushing	CM2-51C CM2-51S	CM2
	Stator*	2CL2-21QC 2CL2-21BC 2CL2-21RC 2CL2-21FC	CM2 2CM2 is same as 2CL2
		3CL2-21QC 3CL2-21BC 3CL2-21RC 3CL2-21FC	CM2 3CM2 is same as 3CL2
		6CM2-21QC 6CM2-21BC 6CM2-21RC 6CM2-21FC	CM2

*Other elastomer options are available upon request

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Stator*	2CL2-21QS 2CL2-21BS 2CL2-21RS 2CL2-21FS	CM2 2CM2 is same as 2CL2
		3CL2-21QS 3CL2-21BS 3CL2-21RS 3CL2-21FS	CM2 3CM2 is same as 3CL2
		6CM2-21QS 6CM2-21BS 6CM2-21RS 6CM2-21FS	CM2
*Other elastomer options are available upon request			
	Rotor**	2CM2-22D 3CM2-22D 6CM2-22D	CM2
		2CM2-22S 3CM2-22S 6CM2-22S	CM2
**Undersized and Non-Plated Rotors are available upon request			
	Connecting Rod	CL3-25CS CL3-25S	CM2
	Drive Shaft	CL3-26CS CL3-26S	CM2
	Ball Bearing (Radial)	CL3-29	CM2
	Ball Bearing (Thrust)	CL3-30	CM2
	Bearing Spacer	CL3-33CS	CM2

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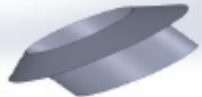
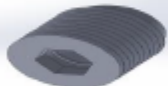







Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Bearing Cover Plate	CL3-34C	CM2
	Pump Support	CL3-37C	CM2
	Stator Support**	CL3-38C	CM2
	Stator Bushing	CM2-71	CM2
	Packing Gland	CL3-41C CL3-41S	CM2
	Packing Set, Teflon Coated	CL3-42	CM2
	Packing Set, Graphite	CL3-42G	CM2
	Rotor Pin	CL3-45CS CL3-45S	CM2
	Shaft Pin	CL3-46CS CL3-46S	CM2
	Shaft Collar	CL3-49CS	CM2

**2 Stator Supports are required for 6CM2 pumps.

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Rotor Band	CL3-50CS CL3-50S	CM2
	Connecting Rod Washer (2 Req.)	CL3-53Q CL3-53B CL3-53F	CM2
	Drive Pin Retainer Screw (2 Req.)	CL3-54C CL3-54S	CM2
	Lantern Ring, 1 Piece	CL3-57S	CM2
	Bearing Lock Nut, Carbon Steel	CL3-58	CM2
	Bearing Lock Washer, Carbon Steel	CL3-59	CM2
	Grease Seal (Radial)	CL3-61	CM2
	Grease Seal (Thrust)	CL3-62	CM2
	Packing Gland Insert	CL3-65S	CM2
	Drive Pin Washer, Stainless Steel (2 Req.)	CL3-73	CM2

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Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Component Seal***	CL3-81F	CM2
*Other elastomer options are available upon request			
	Component Seal Gland***	CL3-82S	CM2
No Image Available	Cartridge Mechanical Seal	Contact Us	CM2

***Stuffing box will need to be modified

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CM Model

Replacement Kits for CM2 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	CM2
	<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	CM2
	<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	CM2
		CL3-25KQS CL3-25KBS CL3-25KFS	CM2

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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	CM2
	<u>Component Seal Kit:</u> Includes QTY 1: Viton Component Seal & Stainless Steel Gland	CL3-81KFS	CM2

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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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