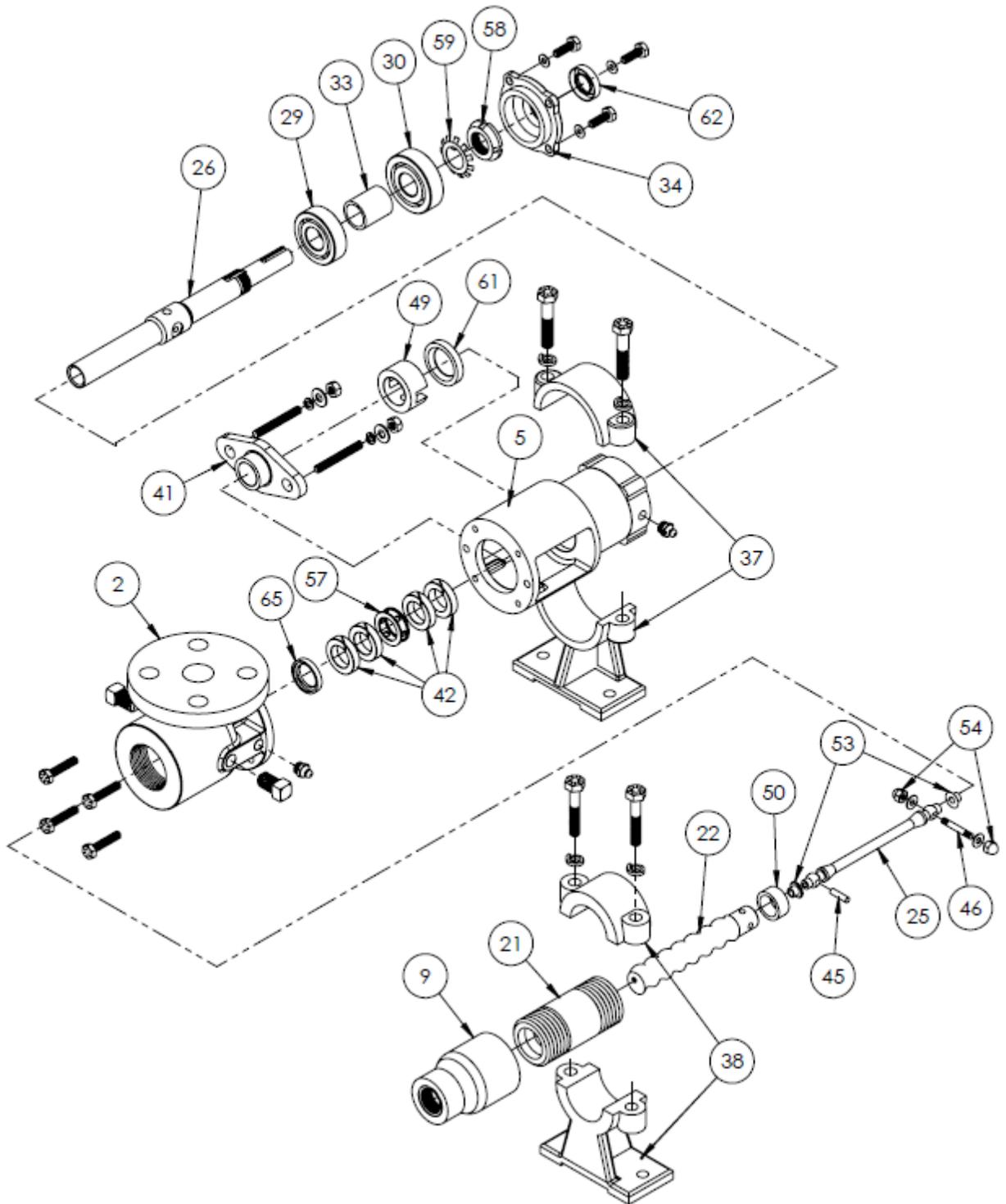




### Continental Progressive Cavity Pump CM Model CM1 Pump



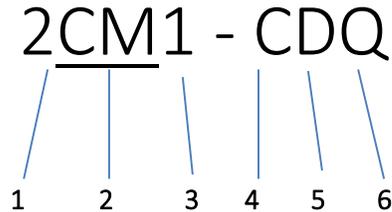
#### Continental Pump Company

29425 State Hwy B | Warrenton, Missouri 63383 | Tel: 636-456-6006 | Fax: 636-456-4337 | Email: sales@con-pump.com  
Visit us at: [www.continentalultrapumps.com](http://www.continentalultrapumps.com)



### 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.

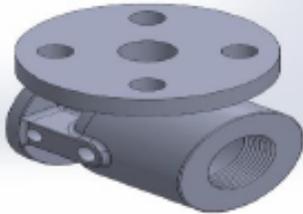
### Continental Pump Company

29425 State Hwy B | Warrenton, Missouri 63383 | Tel: 636-456-6006 | Fax: 636-456-4337 | Email: sales@con-pump.com  
Visit us at: [www.continentalultrapumps.com](http://www.continentalultrapumps.com)



## CM Model

### Replacement Parts for CM1 Pump

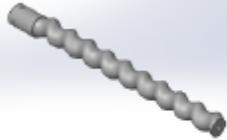
Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Suction Body	CL2-2C CL2-2S	CM1
	Bearing Housing	CL2-5C	CM1
	Reducer	CL2-9C CL2-9S	CM1
	Stator*	2CM1-21QC 2CM1-21BC 2CM1-21RC 2CM1-21FC	CM1
		3CM1-21QC 3CM1-21BC 3CM1-21RC 3CM1-21FC	CM1
		6CM1-21QC 6CM1-21BC 6CM1-21RC 6CM1-21FC	CM1

\*Other elastomer options are available upon request

#### Continental Pump Company

29425 State Hwy B | Warrenton, Missouri 63383 | Tel: 636-456-6006 | Fax: 636-456-4337 | Email: sales@con-pump.com  
Visit us at: [www.continentalultrapumps.com](http://www.continentalultrapumps.com)



Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Stator*	2CM1-21QS 2CM1-21BS 2CM1-21RS 2CM1-21FS	CM1
		3CM1-21QS 3CM1-21BS 3CM1-21RS 3CM1-21FS	CM1
		6CM1-21QS 6CM1-21BS 6CM1-21RS 6CM1-21FS	CM1
*Other elastomer options are available upon request			
	Rotor**	2CM1-22D 3CM1-22D 6CM1-22D	CM1
		2CM1-22S 3CM1-22S 6CM1-22S	CM1
**Undersized and Non-Plated Rotors are available upon request			
	Connecting Rod	CL2-25CS CL2-25S	CM1
	Drive Shaft	CL2-26CS CL2-26S	CM1
	Ball Bearing (Radial)	CL2-29	CM1
	Ball Bearing (Thrust)	CL2-30	CM1
	Bearing Spacer	CL2-33CS	CM1

**Continental Pump Company**

29425 State Hwy B | Warrenton, Missouri 63383 | Tel: 636-456-6006 | Fax: 636-456-4337 | Email: sales@con-pump.com  
 Visit us at: [www.continentalultrapumps.com](http://www.continentalultrapumps.com)



Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Bearing Cover Plate	CL2-34C	CM1
	Pump Support	CL2-37C	CM1
	Stator Support	CL2-38C	CM1
	Packing Gland	CL2-41C CL2-41S	CM1
	Packing Set, Teflon Coated	CL2-42	CM1
	Packing Set, Graphite	CL2-42G	CM1
	Rotor Pin	CL2-45S	CM1
	Shaft Pin, Threaded	CL2-46S	CM1
	Shaft Collar	CL2-49CS	CM1

**Continental Pump Company**

29425 State Hwy B | Warrenton, Missouri 63383 | Tel: 636-456-6006 | Fax: 636-456-4337 | Email: sales@con-pump.com  
 Visit us at: [www.continentalultrapumps.com](http://www.continentalultrapumps.com)



Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	Rotor Band	CL2-50CS CL2-50S	CM1
	Connecting Rod Washer (2 Req.)	CL2-53Q CL2-53B CL2-53F	CM1
	Drive Pin Acorn Nut (2 Req.)	CL2-54S	CM1
	Lantern Ring, 1 Piece	CL2-57S	CM1
	Bearing Lock Nut, Carbon Steel	CL2-58	CM1
	Bearing Lock Washer, Carbon Steel	CL2-59	CM1
	Grease Seal (Radial)	CL2-61	CM1
	Grease Seal (Thrust)	CL2-62	CM1
	Packing Gland Insert	CL2-65S	CM1
	Drive Pin Washer, Stainless Steel (2 Req.)	CL2-73	CM1

\*\*\*Mechanical Seals are not an option on the CM1 Pump.

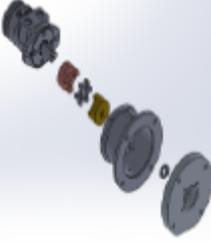
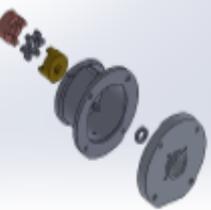
**Continental Pump Company**

29425 State Hwy B | Warrenton, Missouri 63383 | Tel: 636-456-6006 | Fax: 636-456-4337 | Email: sales@con-pump.com  
Visit us at: [www.continentalultrapumps.com](http://www.continentalultrapumps.com)



## CM Model

### Replacement Kits for CM1 Pump

Part	Part Name	Continental Pump Part Number	For Continental Pump Model
	<u>Hydraulic Motor Kit</u> Includes: Hydraulic Motor, Motor Adapter, Adapter Flange (CL2-35A), Grease Seal (CL2-62), & Couplings: L-090 x 1", L-090 x 5/8" & L-090/095 Sox Spider.	CL2-HYD	CM1
	<u>Hydraulic Kit (No Motor)</u> Includes: Hydraulic Motor Adapter, Adapter Flange (CL2-35A), Grease Seal (CL2-62) & Couplings: L-090 x 1", L-090 x 5/8" & L-090/095 Sox Spider.	CL2-HYDNM	CM1
	<u>Connecting Rod Kit:</u> Includes: QTY 1: Connecting Rod, Rotor Pin, Shaft Pin, Rotor Band. QTY 2: Connecting Rod Washers, Drive Pin Acorn Nuts and Drive Pin Washers.	CL2-25KQC CL2-25KBC CL2-25KFC	CM1
		CL2-25KQS CL2-25KBS CL2-25KFS	CM1
	<u>Bearing Kit:</u> Includes: Ball Bearing (Radial & Thrust), Bearing Spacer, Bearing Lock Nut & Washer, Grease Seal (Radial & Thrust)	CL2-29K	CM1

### Continental Pump Company

29425 State Hwy B | Warrenton, Missouri 63383 | Tel: 636-456-6006 | Fax: 636-456-4337 | Email: sales@con-pump.com  
 Visit us at: [www.continentalultrapumps.com](http://www.continentalultrapumps.com)



## 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.

### **Continental Pump Company**

29425 State Hwy B | Warrenton, Missouri 63383 | Tel: 636-456-6006 | Fax: 636-456-4337 | Email: [sales@con-pump.com](mailto:sales@con-pump.com)  
Visit us at: [www.continentalultrapumps.com](http://www.continentalultrapumps.com)