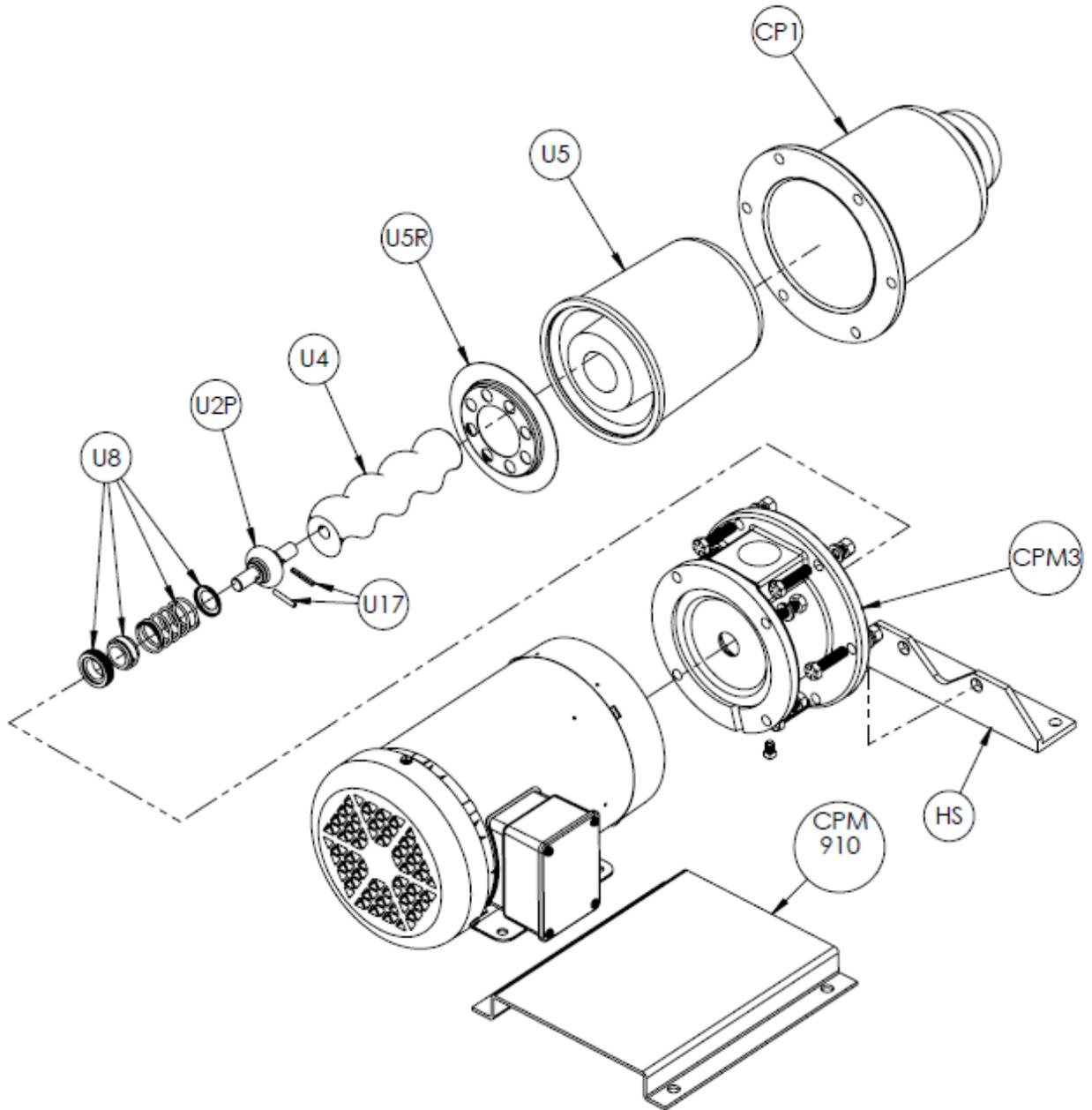




Continental Progressive Cavity Pump CP Model
CPM56 Close-Coupled Pump Driven with a Continental Spec. Motor



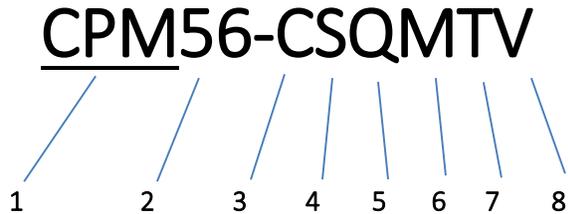
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CPM Model Number Nomenclature:

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



- (1): Indicates the pump model designation (CP, CPM, CPML Model)
- (2): Indicates the pump frame size designation
- (3): Indicates the pump body casting material
- (4): Indicates the rotor material
- (5): Indicates the stator material
- (6): Indicates seal type: Mechanical Seal or Packed Seal (For Mechanical use M, for Packed use D)
- (7): Indicates if the Drive Shaft, Flex Joint, and Rotor is Pinned or Threaded. (For pinned use P, for threaded use T)
- (8): Indicates if the pump has vertical suction housing. If horizontal is preferred no designation will be used.

Material of Construction

| 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 |
| | B | EPDM |
| | F | Viton® |
| Seal Type | M | Mechanical Seal |
| | D | Packing Gland |

Mechanical Seal and Packed Seal options are available for all frame sizes (15, 22, 33, 44, 56, and 67).

The Pinned Drive Shaft, Flex Joint, and Rotor option is also available for all frame sizes. The Threaded option is available only in frame sizes 15, 22, 33, 44, and 56; Size 67 has pinned option only.

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CPM Pump

Replacement Parts

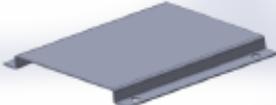
for CPM56 Close-Coupled Pump with Continental Spec. Motor

| Part | Part Name | Continental Pump Part Number | For Continental Pump Model |
|---|--|----------------------------------|----------------------------|
|  | Suction Body | CP1-56C CP1-56S | CPM56 |
|  | Suction Body, Vertical with 1/4" NPT Pipe Plug | CPV1-56C CPV1-56S | CPM56 |
|  | Discharge Housing with 1/8" NPT Drain Plug | CPM3-56C | CPM56 |
|  | Flexible Joint, Pinned | U2-56PQS U2-56PBS U2-56PFS | CPM56 |
|  | Rotor, Pinned & Threaded | U4-56PTS | CPM56 |
|  | Stator | U5-56Q U5-56B U5-56F | CPM56 |
|  | Stator Barrier (Optional) | U5R-56 | CPM56 |

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| Part | Part Name | Continental Pump Part Number | For Continental Pump Model |
|---|--|--|----------------------------|
|  | Mechanical Seal | U8-56Q U8-56B U8-56F | CPM56 |
|  | Mechanical Seal, Abrasive Resistant (Optional) | U8-56Q A/R U8-56B A/R U8-56F A/R | CPM56 |
|  | 1/4" NPT Pipe Plug for Vertical Suction Body | U11-56CS U11-56S | CPM56 |
|  | 1/8" NPT Drain Plug for Discharge Housing | U12-56CS U12-56S | CPM56 |
|  | Roll Pins (2 Required) | U17-56S | CPM56 |
|  | Housing Support | CPM56-HS | CPM56 |
|  | Steel Base | CPM-910-56/67 | CPM56 |
|  | Three Phase Motor, 1.5 HP/ 1800 RPM | 35W420W206 | CPM56 |

Single Phase Motor is not an option for this size pump.

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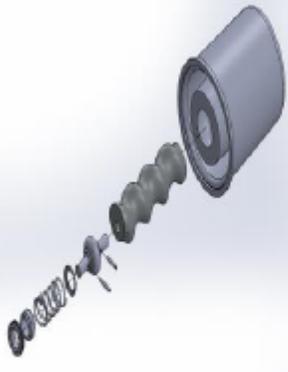
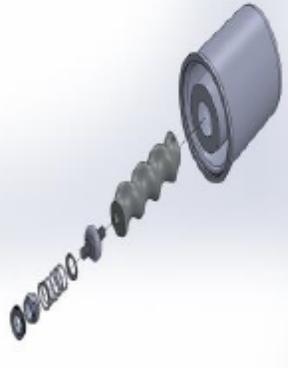
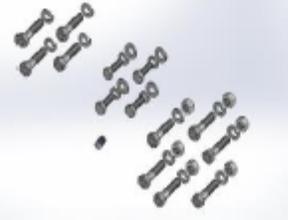
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CPM Pump

Replacement Kits

for CPM56 Close-Coupled Pump with Continental Spec. Motor

| Part | Part Name | Continental Pump Part Number | For Continental Pump Model |
|---|---|---|----------------------------|
|  | <u>Pinned RebuildKit:</u> Includes: QTY 1: Flex Joint, Rotor, Stator, Mechanical Seal; Qty 2: Roll Pins | CP56K-PQS CP56K-PBS CP56K-PFS | CPM56 |
| | <u>Pinned Rebuild Kit with A/R Seal:</u> Includes: QTY 1: Flex Joint, Rotor, Stator, Mechanical Seal-Abrasive Resistant; Qty 2: Roll Pins | CP56K-PQS A/R CP56K-PBS A/R CP56K-PFS A/R | CPM56 |
|  | <u>Threaded RebuildKit:</u> Includes: QTY 1: Flex Joint, Rotor, Stator, Mechanical Seal | CP56K-TQS CP56K-TBS CP56K-TFS | CPM56 |
| | <u>Threaded Rebuild Kit with A/R Seal:</u> Includes: QTY 1: Flex Joint, Rotor, Stator, Mechanical Seal- Abrasive Resistant | CP56K-TQS A/R CP56K-TBS A/R CP56K-TFS A/R | CPM56 |
|  | <u>Bolt Kit:</u> Includes Qty 8: Pump Body Bolts, Washers & Nuts. Qty 4: Motor Base Bolts with 4 Flat & 4 Lock Washers. Qty 4: C-Face Motor Bolts & Washers. Qty 1: 1/8" NPT Drain Plug | U10-56MC | CPM56 |

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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 discharge. The epoxy seals the cast iron from the material being pumped.

Stators are available in 3 types of elastomers. The rubber materials are: Buna Nitrile, 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 Stainless Steel.

Abrasive Resistance Mechanical Seals are a great upgrade for your more abrasive applications. By adding a Stator Barrier, which is recommended in any negative suction and/or vacuum application to help protect the stator. There are lots of variables to take in consideration to know if this is right for your application. Contact us with your application information to see if this is for you.

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, Gas or Diesel Engines, and many other base options.

Space Challenged? If you are needing a different arrangement from traditional piping, we have vertical suction housings available in the CP Model.

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 VFD's, Motors and Bases.

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