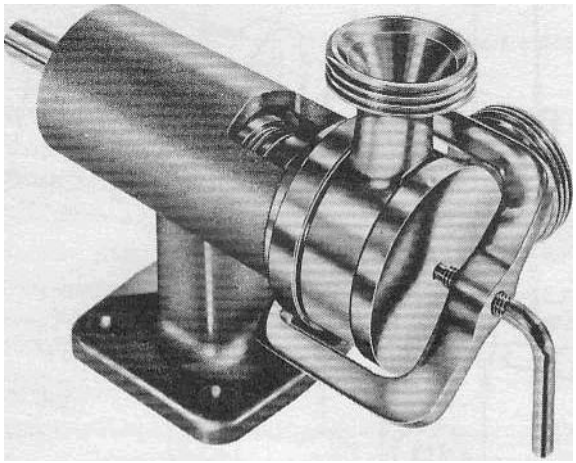
# Models 15010·SERIES 15030·SERIES 15050·SERIES 15070·SERIES



## PUREFLO® SANITARY PUMPS

### FEATURES

Body: Type316StainlessSteei

Impeller: Jabsco Neoprene Compound

Shaft: Type316 Stainless Steel

Seal: Sanitary Mechanical Carbon Face

Bearings: Roller and Ball Bearings

Ports: 1-1/2" or 2" Acme Sanitary Threads with Bevel Seat or Clamp Type

Weight:
15010-8erle5 9Ibs(approx.)
15030-5erles 1S Ibs (approx.)
15050-8er18s 21 1bs (approx.)
15070-Series 391bs (approx.)

Models 15010-, 15030-, 15050-, 15070-Series

### VARIATIONS AVAILABLE

| VARIATION | 10GPM | 25GPM | 50GPM | 100GPM |
|---|---|---|---|---|
| Port Size | 1½" | 1½" | 2" | 2" |
| Standard Neoorene Imoaller and Acme Ports | 15010-0665 | 15030-0665 | 15050-0665 | 15070-0665 |
| Standard Neoorene Imoaller and Clarno Ports | 15010·0765 | 15030-0765 | 15050-0765 | 15070-0765 |
| High Pressure Neoprene Impeller and Acme Ports | 15010-0675 | 15030-0675 | 15050-0675 | |
| Hioh Pressure Neoprene Impeller and Clamp Ports | 15010·0775 | 15030·0775 | 15050·0775 | |

### APPLICATIONS AND OPERATING INSTRUCTIONS

Some of the many diverse products handled by Pure/lo pumps include: DAIRY PROCESSING Buttermilk, Condensed Milk. Cream. Milk Whey, Eggs and other assorted dairy products, FOOD PROCESSING Sugar Liquors, Brines, Catsup, Chocolate. Glaze, Gelatin, Honey, Jams, Jellies, Mayonnaise, Molasses, Mustard, Pickle Relish. Vinegar, Water. Yeast Slurries. BEVERAGE PROCESSING Alcohols, Beers, Brewery Slop, Cider, Distillery Wort, Extracts, Flavors. Juice, Mash, Soft Drinks, Wines. MISCELLANEOUS Chemicals, Cosmetics, Pharmaceuticals.

1. INSTALLATION - Pump may be mounted in any position, The rotation of the pump shaft determines the locations of the pump's intake and discharge ports: refer to dimensional draWing. Pump is normally assembled at factory forclockwise rotation (looking at end cover). If counter clockwise rotation is desired, follow steps 1, 2&30fdisassembly and steps 3, 4& 501 assembly instructions to change direction of impeller blade deflection under cam. Before use, rotate pump shaft In direction of operating rotation.

2. DRIVE – Belt or Direct.
   BELT – Proper belt tension will insure optimum performance. bearing and belt lile.
   DIRECT – Clearance should be left between drive shaft and pump shaft when installing coupling. Mount and align pump and drive shaft before tightening set screw. Flexible cpupling usually desirable.

NOTE: Capacitor type motor is required.

WARNING: A SAFETY GUARD MUST BE INSTALLED WITH EITHER TYPE DRIVE.

3. SPEEDS - I00 RPM to maximum shown in performance table. Speed determines pump capacity. For maximum pump life, operate at lowest possible speeds. Refer to the viscosity/speed chart for maximum allowable speeds,

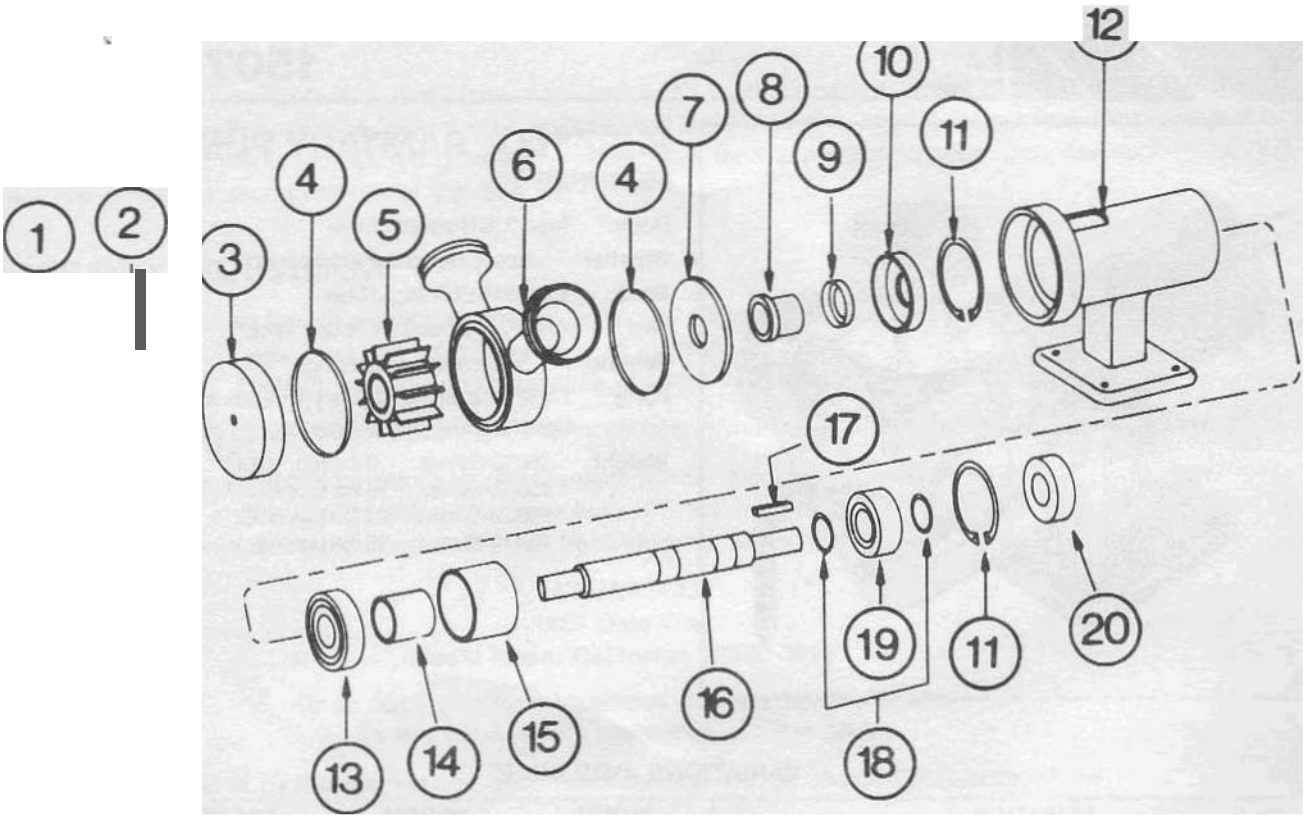
4. SELF-PRIMING - Primes at low or high speeds. For vertical dry suction lift of 10 feet, a minimum of 1,000 RPM is required. Pump can produce up to 20 feet of lift when wened. INTAKE LINES MUST BE AIRTIGHT to prevent product foaming and to assure self-priming. Self-priming is reduced when pumping higher Viscosity fluids, Consult factory.

5. RUNNING DRY – The impeller is lubricated by the product being pumped. DO NOT RUN DRY for more than 30 seconds. Lack of liquid may damage the impeller.

6. TEMPERATURES-40°F - 150°F. Contact factory for Impeller recommendation on applications outside this range,

7, PRESSURES - Consult performance chart. When operating pressures approach the upper recommended ranges for standard pressure impellers, it is ordinarily desirable to use a high pressure model to increase impeller life. Line losses due to product viscosity must be considered when calculating operating pressures.

## EXPLODED VIEW




## PART LIST

### MODEL IS01O-SERIES

| KEY | DESCRIPTION | PART # | OTY. |
|---|---|---|---|
| 1 | Clamp Screw | 10408-0010 | 1 |
| 2 | Clamp | 12695-0000 | ' |
| 3 | EndCover | 10435-0001 | ' |
| 4 | ·O-Ring | 92000-0290 | 2 |
| 5 | -Impeller {Standard Neoprene} | 7614-0005 | ' |
| | (High Pressure Neoprene) | 8980-0005 | ' |
| 6 | Body (Acme Thread) | 15014-0061 | ' |
| | (Clamp Type) | 15014-0071 | 1 |
| I | O-Ring (Clamp Port) | 92000-0710 | 2 |
| 7 | Wearplale | 10396-0010 | ' |
| 8 | 'SealAssembly | 7749-0000 | 1 |
| 9 | Seal Collar | 5307-0000 | 1 |
| t | Allen Wrench | 92351-0020 | 1 |
| 10 | SeaI(Roller 8 eanng | 92701-0110 | |
| " | Retaining Ring (Housing) | 91700-2920 | 2 |
| 12 | Bearing Housing | 12234-0000 | 1 |
| 13 | Bearing (Roller) | 92601-0350 | 1 |
| 14 | Beanng Spacer (Shaft) | 10693-0010 | 1 |
| 15 | Bearing Spacer (Housing) | 10449-0010 | 1 |
| | Shaft | 10447-0001 | 1 |
| 17 | K,y | 9215-0000 | 1 |
| | Retaining Ring (Shalt) | 91700-2470 | 2 |
| }' | Beanng (Ball) | 92601-0330 | 1 |
| 20 | Seal (Ball Bearing) | 92701-0110 | 1 |
| t | Service Kit (Standard Neoprene) | 90072-0005 | |
| | (High Pressure Neoprene) | 90073-0005 | |

### MODEL 1503O-SEAIES

| KEY | DESCRIPTION | PART # | QTY. |
|---|---|---|---|
| 1 | Clamp Screw | 9551·0010 | 1 |
| 2 | Clamp | 12696-0000 | 1 |
| 3 | Endeaver | 10515·0001 | ' |
| 4 | 'O-Ring | 92000-0310 | 2 |
| 5 | "Impeller (Standard Neoprene) | 8981-0005 | ' |
| | (High Pressure Neoprene) | 8840-0005 | ' |
| ● | Body (Acme Thread) | 15034·0061 | ' |
| | (Clamp Type) | 15034-0071 | ' |
| † | O-Ring (Clamp Port) | 92000-0710 | 2 |
| 7 | Wes/plale | 10046-0010 | ' |
| ● | 'SealAssembly | 8728-0000 | I |
| ● | Seal Collar | 8727-0000 | 1 |
| t | AlienWrench | 92351·0020 | 1 |
| 10 | Seal (Roller Beanng) | 92701-0170 | 1 |
| 11 | Retaining Ring (Housing) | 91701-0260 | 2 |
| 12 | Beanng Housing | 12658-0000 | 1 |
| 13 | Beanng (Roller) | 92601-0340 | 1 |
| 14 | Beanng Spacer {Shaft) | 10428-0010 | \ |
| 15 | Beanng Spacer (HOUsmg) | 10525-(1)10 | 1 |
| | Shall | 10517-0001 | 1 |
| 17 | K,y | 9215-0000 | \ |
| | Retaining Ring (Shaft) | 91700-0980 | 2 |
| }' | Bearing (Ball) | 92601-0300 | 1 |
| 20 | Seal (Ball Bearing) | 9270 1-0170 | 1 |
| t | Service Kit (Standard Neoprene) | 90089·0005 | |
| | (High Pressure Neoprene) | 90090-0005 | |

Pans supplied In Service Kit  t Not Shown  ▪ Parts supplied in Service Klt.  t Not Shown

## HEAD CAPACITY TABLE

| | TOTAL HEAD | | 3500RPM | | 1160 RPM | | 1750 RPM | |
|---|---|---|---|---|---|---|---|---|
| | PSI | Feelot Water | GPM | H.P. | GPM | H.P. | GPM | H.P. |
| 1501o-SERIES | 4.3 | 10 | 3.5 | 116 | 7.5 | 114 | 11.3 | 112 |
| Standard Pressure | 8.7 | 20 | 3.1 | 116 | 6.7 | 1/4 | 10.2 | 112 |
| | 13.0 | 30 | 2.6 | 116 | 5.5 | 113 | 9.0 | 112 |
| | 21.6 | 50 | | | | | 5.2 | 112 |
| 1501D-SERIES | 8.7 | 20 | 2.9 | 1/6 | 6.9 | 1/3 | 10.4 | 112 |
| High Pressure | 17.3 | 40 | 2.7 | 1/6 | 5.2 | 1/3 | 8.7 | 112 |
| | 26.0 | 60 | 2.3 | 1/6 | 3.0 | 112 | 6.2 | 112 |
| | 34.6 | 80 | | | | | 4.0 | 3/4 |
| 15030-SERIES | 4.3 | 10 | 8.0 | 1/6 | 16.5 | 1/3 | 25.5 | 3/4 |
| Standard Pressure | 8.7 | 20 | 7.5 | 114 | 16.0 | 1/3 | 24.6 | 3/4 |
| | 17.3 | 40 | SA | 114 | 14.3 | 1/3 | 23.0 | 3/4 |
| | 26.0 | 80 | | | 12.8 | 112 | 21.0 | 1 |
| | 34.6 | 80 | | | | | 18.0 | 1 |
| 15030-SERIES | 17.3 | 40 | 7.0 | 1/3 | 15.0 | 3/4 | 22.8 | 1 |
| High Pressure | 26.0 | 60 | 6.3 | 1/3 | 13.8 | 3/4 | 21.9 | 1 |
| | 34.6 | 80 | 6.0 | 112 | 12.4 | 1 | 20.8 | 1 |
| | 51.5 | 120 | 4.5 | 112 | 9.1 | 1 | 17.1 | 1·112 |
| | 60.5 | 140 | | | 7.0 | 1 | 14.2 | 1-1/2 |
| 15050-SERIES | 4.3 | 10 | 15.5 | ,,2 | 35.2 | 3/4 | 54.0 | 1-1/2 |
| Standard Pressure | 8.7 | 20 | 15.0 | 112 | 33.8 | 3/4 | 52.8 | '-1/2 |
| | 17.3 | 40 | 13.5 | 1/2 | 29A | 1 | 50.0 | 1-112 |
| | 26.0 | 60 | " .3 | 1/2 | 23.2 | 1-1/2 | 46.0 | 2 |
| | 34.6 | 80 | | | | | 41.4 | 3 |
| 15050-SERIES | 8.7 | 20 | 16.5 | 3/4 | 37.4 | ' -1/2 | 54.8 | 3 |
| High Pressure | 21.6 | 50 | 15.5 | 3/4 | 36.8 | 2 | 53.7 | 3 |
| | 34.6 | 80 | 14.0 | 3/4 | 35.0 | 2 | 51.8 | 5 |
| | 47.6 | 110 | 12.5 | 1 | 32.7 | 2 | 48.5 | 5 |
| | 80.5 | 140 | | | 28.5 | 2 | 43.2 | 5 |
| 1507o-SERIES | 8.7 | 20 | 25.5 | 3/4 | 73.0 | 2 | 102.0 | 3 |
| Standard Pressure | 17.3 | 40 | 20.0 | 1 | 65.0 | 3 | 91.0 | 5 |
| | 21.6 | 50 | 17.0 | 1 | 61.0 | 3 | 84.0 | 5 |
| | 26.0 | 80 | | | 57.0 | 3 | 77.0 | 5 |
| | 30.3 | 70 | | | | | 67.0 | 5 |
| 1507D-SERIE$ | 8.7 | 20 | 30.0 | 1 | 70.0 | 2 | | |
| High Pressure | 17.3 | 40 | 26.0 | 1 | 66.0 | 3 | | |
| | 26.0 | 60 | 23.0 | 1 | 62.0 | 3 | | |
| | 34.6 | 80 | 18.0 | '·1/2 | 56.0 | 3 | | |
| | 43.3 | 100 | | | 50.0 | 5 | | |

Table shows approximate head·flow for new pump handling water. Use capacitor start motor. For operation at speeds not shown, contact factory for application engineering assistance. Progressively longer life may be expected as operating speeds and pressures are reduced. Table shows approximate head-flow lor new pump in U.S. gallons.

## PUMP SPEED SELECTION ACCORDING TO PRODUCT ViSCOSiTY

| ViSCOSity S.S.U. | PumpSpeed (Max. RPMI | VIscosity S.S.U. | PumpSpeed (Max. RPM\ | Viscosity S.S.U. | PumpSpeed (Max. RPMI | Viscosity S.S.U. | PumpSpeed (Max. RPM\ |
|---|---|---|---|---|---|---|---|
| 50 | 1750 | 700 | 1680 | 4,000 | 1400 | 15,000' | 787 |
| 100 | 1750 | 800 | 1645 | 5,000 | 1312 | 20,000' | 700 |
| 200 | 1750 | 900 | 1610 | 6,000 | 1225 | 30,000' | 612 |
| 300 | 1750 | 1,000 | 1575 | 7,000 | 1136 | 40,000' | 525 |
| 400 | 1750 | 1,500 | '540 | 8,000 | '050 | 50,000' | 437 |
| 500 | 1750 | 2,000 | 1505 | 9,000 | 962 | 75,000' | 298 |
| 600 | 1715 | 3,000 | 1450 | 10,000 | 875 | 100,000' | 175 |

• Use High Pressure ImpeDer

MODEL 1S0So-SERIES

| KEY | DESCRIPTION | PART # | OTY. |
|---|---|---|---|
| 1 | Clamp Screw | 10697-0010 | 1 |
| 2 | Clamp | 12996-0000 | 1 |
| 3 | End Cover | 10299-0001 | 1 |
| 4 | 'O-Ring | 92000-0040 | 2 |
| 5 | 'Impeller (Standard Neoprene) | 14346-0005 | 1 |
| | (High Pressure Neoprene) | 8983-0005 | 1 |
| 6 | Body (Acme Thread) | 15054-0061 | 1 |
| | (Clamp Type) | 15054-0071 | 1 |
| t | O-Ring (Clamp PM) | 92000-0730 | 2 |
| 7 | Wearplate | 10276-0010 | 1 |
| B | •seal Assembly | 9023-0000 | 1 |
| 9 | Seal Collar | 7866-0000 | 1 |
| t | Allen Wrench | 92351-0050 | 1 |
| 10 | Seal (RollerBearing) | 92702-0780 | 1 |
| 11 | Retaining Ring (Housing) | 91701·2830 | 2 |
| 12 | Bearing Housing | 12944-0000 | 1 |
| 13 | Bearing (Roller) | 18753·0007 | 1 |
| 14 | Bearing Spacer (Shall) | 10539-0010 | 1 |
| 15 | Bearing Spacer (HOUSing) | 10291-0010 | 1 |
| 16 | Shall | 10277-0001 | 1 |
| 17 | K" | 9214-0000 | 1 |
| 16 | Retaining RIng (Shall) | 91700·1180 | 2 |
| 19 | Bearing (Ball) | 18753-0007 | 1 |
| 20 | seal (Ball Beanng) | 92702·0780 | 1 |
| t | Service KII (Standard Neoprene) | 90093-0005 | |
| | (High Pressure Neoprene) | 90094-0005 | |

Parts supplied In Service Kit  t Not Shown

MODEL 1507Q-SERIES

| KEY | DESCRIPTION | PART # | OTY. |
|---|---|---|---|
| 1 | ClampSCrew | 18024-0000 | 1 |
| 2 | Clamp | 12927 -0000 | 1 |
| 3 | End Cover | 10345-0001 | 1 |
| 4 | 'O-Ring | 92000-0030 | 2 |
| 5 | 'Impeller (Standard Neoprene) | 8963-0005 | 1 |
| | (High Pressure Neoprene) | 8600-0005 | 1 |
| 6 | Body (Acme Thread) | 15074-0061 | 1 |
| | (Clamp Type) | 15074-0071 | 1 |
| t | O-Ring (Clamp Port) | 92000-0730 | 2 |
| 7 | Wearplate | 10346-0010 | 1 |
| B | 'Seal Assembly | 14052-0000 | 1 |
| 9 | Seal Cotlar | 8248·0000 | 1 |
| t | -Allen Wrench | 92351-0050 | 1 |
| 10 | Seal(AollerBearing) | 92700-0870 | 1 |
| 11 | Retaining Ring (Housing) | 91701 -4370 | 2 |
| 12 | Bearing Housing | 14028-0000 | 1 |
| 13 | Bearing (Roller) | 92601-0240 | 1 |
| 14 | Bearing Spacer {Shalt} | 10378-0010 | 1 |
| 15 | Bearing Spacer (Housing) | 10351 -0010 | 1 |
| 16 | Shaft | 10347-0001 | 1 |
| 17 | K" | 8448-0000 | 1 |
| J' | Retalning Ring | 91700-1370 | 2 |
| 19 | Beanng (Ball) | 92601-0230 | 1 |
| 20 | Seal (Ball Bearing) | 92700-0870 | 1 |
| t | Service Kit (Standard Neoprene) | 90080-0035 | |

Parts supplied ın Service Kit.  t Not Shown

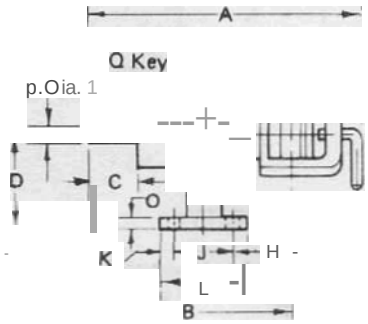
NOTE: $enal number of pump, which Is found on Ihe label, musl be specified when ordenng pans.

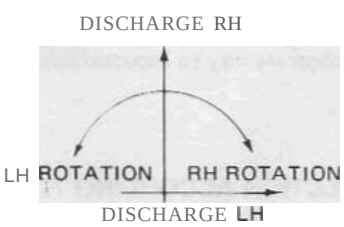
ExplanatIOn of Serial Numbers:

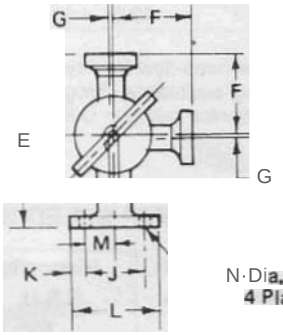
1. Effective March 30. 1970 Ihe senal number consIsts 01 Month and Year 01 manutaCiure. e g 570 May 1970.
2. PrIOr 10 March, 1970

The firsl pan of the serial number denotes the capacity of the pump. For example. serial number 100-3021 was used on a 100 GPM pump. The first number In the second seneso! digits denotes the year the pump was manufactured Forexamp(e. serial number too-3021 reveals Ihe pump was produced in 1963. The use of thiS olgIIIS VERY IMPORTANT A pump beanng Ihe serial number 100-401 IS a -later" number than serial number 100-3021. Pumps wIth serial number containing leller "A" are of a more recent design, except as noled in 1 above.

DIMENSIONAL DRAWING
INCHES




N·Dia. Hole
4 Places

| MODEL | PORT | I.D. | A | B | C | 0 | E | F | G | H | J | K | L | M | N | 0 | P | a |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15010·Senes | 1½ Acme | "/", | 10⅜ | 7¾. | 1¾ | 3½ | 6⁷⁄₁₆ | 2¹⁵⁄₁₆ | ⅛ | 2'1. | 2'1. | ½ | 3'/. | 1⅛ | ¹³⁄₃₂ | ⅜ | ⅝ | ³⁄₁₆ x ³⁄₁₆ x 1⅛ |
| | I'hClamp | "1'0 | 10⅜ | 7⁹'6 | 1¾ | 3½ | 6'/. | 2¾ | ⅛ | 2'1. | 2'1. | ½ | 3'/. | 1⅛ | ¹³⁄₃₂ | ⅜ | ⅝ | ³⁄₁₆ x ³⁄₁₆ x 1⅛ |
| 15030-Senes | 1½ Acme | 1 | 12⅝ | 9⁵⁄₁₆ | 2''1'6 | 4½ | 7"/,,, | 3³⁄₁₆ | ⅛ | 2⁷⁄₁₆ | 2⅝ | ½ | 3⅝ | 1⁵⁄₁₆ | ¹³⁄₃ | ¹³⁄₃ | ⅞ | ³⁄₁₆ x ³⁄₁₆ x 1⅛ |
| | 1½ Clamp | 1 | 12⅝ | 9⁵⁄₁₆ | 2¹¹⁄₁₆ | 4½ | 7'/. | 2¾ | ⅛ | 2⁷⁄₁₆ | 2⅝ | ½ | 3⅝ | 1⁵⁄₁₆ | ¹³⁄₃ | ¹³⁄₃₂ | ⅞ | ³⁄₁₆ x ³⁄₁₆ x 1⅛ |
| 15050-Series | 2Acme | 1'/. | 13¾ | 10 | 2⅞ | 4½ | 8'/. | 3¾ | ¹⁄₁₆ | 3 | 2⅝ | ½ | 3⅝ | 1⁵⁄₁₆ | ¹³⁄₃₂ | ⁷⁄₁₆ | 1'1" | 'I.xV. x1'h |
| | 2Clamp | 1'i. | 13:Y. | 10 | 2'/6 | 4½ | 7⅞ | 3³⁄₈ | 'I,₆ | 3 | 2⅝ | ½ | 3⅝ | 1⁵⁄₁₆ | ¹³⁄₃₂ | ⁷⁄₁₆ | 1'1" | 'I. x '/. x 1½ |
| 15070-5eries | 2Acme | 1⅞ | 18'/. | 13¹⁄₁₆ | 4'1. | 4½ | 8⅝ | 4'⅛ | ³⁄₄. | 3½ | 3 | ½ | 4 | 1½ | ¹⁷⁄₃₂ | 'h | 1⅜ | ⁵⁄₁₆ x ⁵⁄₁₆ x 2 |
| | 2Clamo | 1⅞ | 18'/. | 13'1,,, | 4'1. | 4½ | 8'/. | 3¾ | ³⁄₄. | 3½ | 3 | 'h | 4 | 1" | ¹⁷⁄₃₂ | ½ | 1⅜ | ⁵⁄₁₆ x ⁵⁄₁₆ x 2 |

## SERVICE INSTRUCTIONS - ALL MODEL PUMPS
## ASSEMBLY AND DISASSEMBLY OF PUMP HEAD

Before USIng pump it should be disassembled and cleaned to remove any dust and dirt resulting from storage or shipping. Wash parts in standard cleaning solutions approved lor handling stainless steel. Thoroughly nnse before reassembly. DO NOT USE IODINE BASED SANITIZERS as the iodine attacks the elastomer materials used in the Impeller.

All parts have been expertly machined and polished. HANDLE WITH CARE. DO NOT DROP OR MISHANDLE.

Disassembly:

1 Remove end cover clamp, end cover and O-ring.
2. Grasp pump ports and slide pump body and impeller from shaft.
3 Remove a-ring and then push the impeller from the pump body.
4. Remove wearplate from pump
5. Slide seal assembly 011 the shaft. 00 not damage the carbon seal face in handling. 00 not loosen or remove seal collar, except as noted below.

Assembly:

1. Slide seal assembly onto shaft (carbon lace toward pump head).
2. Replace wearplate. BE SURE THAT FLAT SIDE IS TOWARD PUMP HEAD AND THE SIDE WITH THE RAISED BOSS IS TOWARD CARBON FACE OF SEAL ASSEMBLY.
3. Lubricate bore of pump body Wlth Orange Solid Grease or suitable substitute and then replace impeller Into pump body by twiSlJng and pushing at same time.
4. ReplacetwoO-ringson either side of body and Install assembly on shaft. (Impeller blades bent under cam should point In opposite direction to operational rotation.)
5. Position end cover and then replace end cover clamp. CLAMP SHOULD BE HAND TIGHTENED. 00 not use wrench or hammer.

NOTE: The seal collar is set at the factory to provide proper seal compression and should not require further adjustment.

If adjustment is required: With pump head disassembled; loosen two sel screws on seal collar. Replace seal assembly on shaft and then install wearplate in REVERSE POSITION With flat side toward seal. While holding wearplate in position against adaptor. push seal assembly and seal oollar against wearplale and tighten the two sel screws In seal oollar. Remove wearplate and replace to correct position with raised boss against carbon face of seal before assembling pump. DO NOT ASSEMBLE PUMP WITH WEARPLATE IN REVERSE POSITION.

## DETAILED DISASSEMBLY AND ASSEMBLY OF BEARING HOUSING

### DISASSEMBLY

1 Loosen set screws in sealoollar. Remove seal collar from shaft.
2. Pryouter beanng seal from rear of beanng houSing by Inserting a screwdrrver blade between 0 .0 . of seal and housing bore. Remove hoUSing retaining ring using retaining nng pllers.
3. Push on Impellerdnve end of shaft to remove shaft and bearing assembly. Outer race of front bearing and housing bearing Will remain in housing.
4. Remove housing beanng spacer from housing.
5. Pry or tap out front bearing seal from hOUSing bore and remove front retaining ring with retaming ring pliers.
6. Push outer race of front bearing from housing.
7. Remove retaining rings from shaft Wlth retaining nng pliers Use an arbor press to remove bearings from shaft. Roller bearing presses oil toward impeller and ball beanng presses 011 toward drive end 01shaft. Remove beanng spacer.

### ASSEMBLY

1. Pushouter raceol rollerbeanng Into hoUSing from impeller end Install front housing retaining ring. Push outer race up against housing retaining ring.
2. Press front bearing seal into hOUSing against fronl hoUSing retaining ring (spnng of lip seal faces outward).
3. InstaJllarge dlameter bearing spacer Into housing against outer race of bearing.
4. To replace bearing shaft:
   (a) Install lront shaft retaining ring.
   (b) Press ball bearing on shaft against retalning ring (drive end of shaft).
   (c) Install rear shaft retaining ring against ball bearing.
   (d) Slide bearing spacer on shaft up to lront retaining ring.
   (e) Press roller bearing on shaft from impeller drive end up to spacer.
5. liberally coat bearing race areas of bearings with bearing grease. Do not overpack with grease or overheating Will result.
6. From rear of housing, Insert shaltibearing assembly roller beanng first Into housing taking care notlodamage front bearing seal or beanngs.
7. Install rear beanng seal into housing against retaining nng (with lip seal spring outward).
8. Press rear bearing seal Into housing against retalmng nng (with lip seal spring outward).
9. Replace seal collar, position and secure as described in instructions on assembly and disassembly 01 pump head components.

For technical advice or service please take your pump into your local pump service center.
To order pump or parts or for pricing please go to the following links :

Jabsco Pumps Home >>

Jabsco Pumps stock list >>