

**SERVICE KITS**

Refer to Model Description Chart to match the pump material options. 637396-XX for fluid section repair (see page 4). NOTE: This kit also contains several air motor seals which will need to be replaced. 637412 for air section repair (see page 6).

**PUMP DATA**

- **Models**: see Model Description Chart for "-XXX".
- **Pump Type**: Non-Metallic Air Operated Double Diaphragm
- **Material**: see Model Description Chart.

<table>
<thead>
<tr>
<th>Weight</th>
<th>PE10P-AKS-XXX-A0S</th>
<th>25.40 lbs (11.52 kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PE10P-APS-XXX-A0S</td>
<td>18.92 lbs (8.58 kgs)</td>
</tr>
<tr>
<td></td>
<td>PE10P-BKS-XXX-A0S</td>
<td>25.40 lbs (11.52 kgs)</td>
</tr>
<tr>
<td></td>
<td>PE10P-BPS-XXX-A0S</td>
<td>18.92 lbs (8.58 kgs)</td>
</tr>
<tr>
<td></td>
<td>PE10P-FKS-XXX-A0S</td>
<td>26.72 lbs (12.12 kgs)</td>
</tr>
<tr>
<td></td>
<td>PE10P-FPS-XXX-A0S</td>
<td>19.44 lbs (8.82 kgs)</td>
</tr>
<tr>
<td></td>
<td>PE10P-YKS-XXX-A0S</td>
<td>26.29 lbs (11.93 kgs)</td>
</tr>
<tr>
<td></td>
<td>PE10P-YP-XXX-A0S</td>
<td>19.16 lbs (8.69 kgs)</td>
</tr>
</tbody>
</table>

- **Maximum Air Inlet Pressure**: 120 p.s.i.g. (8.3 bar)
- **Maximum Material Inlet Pressure**: 10 p.s.i.g. (0.69 bar)
- **Maximum Outlet Pressure**: 120 p.s.i.g. (8.3 bar)
- **Maximum Flow Rate (flooded inlet)**: 53.0 g.p.m. (200.6 l.p.m.)
- **Displacement / Cycle @ 100 p.s.i.g.**: 0.226 gal. (0.86 lit.)
- **Maximum Particle Size**: 1/8" dia. (3.2 mm)
- **Maximum Temperature Limits (diaphragm / ball / seal material)**:
  - E.P.R. / EPDM: -60° to 280° F (-51° to 138° C)
  - Hytrel®: -20° to 150° F (-29° to 66° C)
  - Nitrile: -10° to 180° F (-12° to 82° C)
  - Polypropylene: -35° to 175° F (2° to 79° C)
  - PVDF (Kynar®): 10° to 200° F (-12° to 93° C)
  - Santoprene®: -40° to 225° F (-40° to 107° C)
  - PTFE: 40° to 225° F (4° to 107° C)
  - Viton®: -40° to 350° F (-40° to 177° C)

- **Dimensional Data**: see page 8
- **Mounting Dimension**: 5.032" x 10.050" (127.8 mm x 255.3 mm)
- **Noise Level @ 70 p.s.i., 60 c.p.m.**: 79.7 db(A)

1° The pump sound pressure levels published here have been updated to an Equivalent Continuous Sound Level (L_eq) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROP SS1.5 using four microphone locations.

**NOTICE**: All possible options are shown in the chart, however, certain combinations may not be recommended, consult a representative or the factory if you have questions concerning availability.
Read, understand, and follow this information to avoid injury and property damage.

**WARNING** EXCESSIVE AIR PRESSURE. Can cause personal injury, pump damage or property damage.
- Do not exceed the maximum inlet air pressure as stated on the pump model plate.
- Be sure material hoses and other components are able to withstand fluid pressures developed by this pump. Check all hoses for damage or wear. Be certain dispensing device is clean and in proper working condition.

**WARNING** STATIC SPARK. Can cause explosion resulting in severe injury or death. Ground pump and pumping system.
- Sparks can ignite flammable material and vapors.
- The pumping system and object being sprayed must be grounded when it is pumping, flushing, recirculating or spraying flammable materials such as paints, solvents, lacquers, etc. or used in a location where surrounding atmosphere is conducive to spontaneous combustion. Ground the dispensing valve or device, containers, hoses and any object to which material is being pumped.
- Secure pump, connections and all contact points to avoid vibration and generation of contact or static spark.
- Consult local building codes and electrical codes for specific grounding requirements.
- After grounding, periodically verify continuity of electrical path to ground. Test with an ohmmeter from each component (e.g., hoses, pump, clamps, container, spray gun, etc.) to ground to insure continuity. Ohmmeter should show 0.1 ohms or less.
- Submerge the outlet hose end, dispensing valve or device in the material being dispensed if possible. (Avoid free streaming of material being dispensed.)
- Use hoses incorporating a static wire.
- Use proper ventilation.
- Keep inflammables away from heat, open flames and sparks.
- Keep containers closed when not in use.

**WARNING** Pump exhaust may contain contaminants. Can cause severe injury. Pipe exhaust away from work area and personnel.
- In the event of a diaphragm rupture, material can be forced out of the air exhaust muffler.
- Pipe the exhaust to a safe remote location when pumping hazardous or flammable materials.
- Use a grounded 3/8" minimum i.d. hose between the pump and the muffler.

**WARNING** HAZARDOUS PRESSURE. Can result in serious injury or property damage. Do not service or clean pump, hoses or dispensing valve while the system is pressurized.
- Disconnect air supply line and relieve pressure from the system by opening dispensing valve or device and / or carefully and slowly loosening and removing outlet hose or piping from pump.

**WARNING** HAZARDOUS MATERIALS. Can cause serious injury or property damage. Do not attempt to return a pump to the factory or service center that contains hazardous material. Safe handling practices must comply with local and national laws and safety code requirements.
- Obtain Material Safety Data Sheets on all materials from the supplier for proper handling instructions.

**WARNING** EXPLOSION HAZARD. Models containing aluminum wetted parts cannot be used with III.-Trichloroethane, Methylene Chloride or other Halogenated Hydrocarbon solvents which may react and explode.
- Check pump motor section, fluid caps, manifolds and all wetted parts to assure compatibility before using with solvents of this type.

**WARNING** MISAPPLICATION HAZARD. Do not use models containing aluminum wetted parts with food products for human consumption. Plated parts can contain trace amounts of lead.
- Verify the chemical compatibility of the pump wetted parts and the substance being pumped, flushed or recirculated. Chemical compatibility may change with temperature and concentration of the chemical(s) within the substances being pumped, flushed or circulated. For specific fluid compatibility, consult the chemical manufacturer.

**CAUTION** Maximum temperatures are based on mechanical stress only. Certain chemicals will significantly reduce maximum safe operating temperature. Consult the chemical manufacturer for chemical compatibility and temperature limits. Refer to PUMP DATA on page 1 of this manual.
- Be certain all operators of this equipment have been trained for safe working practices, understand it’s limitations, and wear safety goggles / equipment when required.

**CAUTION** Do not use the pump for the structural support of the piping system. Be certain the system components are properly supported to prevent stress on the pump parts.
- Suction and discharge connections should be flexible connections (such as hose), not rigid piped, and should be compatible with the substance being pumped.

**CAUTION** Prevent unnecessary damage to the pump. Do not allow pump to operate when out of material for long periods of time.
- Disconnect air line from pump when system sits idle for long periods of time.

**CAUTION** Use only genuine ARO replacement parts to assure compatible pressure rating and longest service life.

**NOTICE** RE-TORQUE ALL FASTENERS BEFORE OPERATION. Creep of housing and gasket materials may cause fasteners to loosen. Re-torque all fasteners to insure against fluid or air leakage

**WARNING** = Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

**CAUTION** = Hazards or unsafe practices which could result in minor personal injury, product or property damage.

**NOTICE** = Important installation, operation or maintenance information.
GENERAL DESCRIPTION

The ARO diaphragm pump offers high volume delivery even at low air pressure and a broad range of material compatibility options available. Refer to the model and option chart. ARO pumps feature stall resistant design, modular air motor / fluid sections.

Air operated double diaphragm pumps utilize a pressure differential in the air chambers to alternately create suction and positive fluid pressure in the fluid chambers, ball checks insure a positive flow of fluid. Pump cycling will begin as air pressure is applied and it will continue to pump and keep up with the demand. It will build and maintain line pressure and will stop cycling once maximum line pressure is reached (dispensing device closed) and will resume pumping as needed.

AIR AND LUBE REQUIREMENTS

WARNING EXCESSIVE AIR PRESSURE. Can cause pump damage, personal injury or property damage.

- A filter capable of filtering out particles larger than 50 microns should be used on the air supply. There is no lubrication required other than the “O” ring lubricant which is applied during assembly or repair.
- If lubricated air is present, make sure that it is compatible with the “O” rings and seals in the air motor section of the pump.

INSTALLATION

- Verify correct model / configuration prior to installation.
- Retorque all external fasteners per specifications prior to start up.
- Pumps are tested in water at assembly. Flush pump with compatible fluid prior to installation.
- When the diaphragm pump is used in a forced-feed (flooded inlet) situation, it is recommended that a “Check Valve” be installed at the air inlet.
- Material supply tubing should be at least the same diameter as the pump inlet manifold connection.
- Material supply hose must be reinforced, non-collapsible type compatible with the material being pumped.
- Piping must be adequately supported. Do not use the pump to support the piping.
- Use flexible connections (such as hose) at the suction and discharge. These connections should not be rigid piped and must be compatible with the material being pumped.
- Secure the diaphragm pump legs to a suitable surface (level and flat) to insure against damage by vibration.
- Pumps that need to be submerged must have both wet and non-wet components compatible with the material being pumped.
- Submersed pumps must have exhaust pipe above liquid level. Exhaust hose must be conductive and grounded.
- Flooded suction inlet pressure must not exceed 10 p.s.i.g. (0.69 bar).

OPERATING INSTRUCTIONS

- Always flush the pump with a solvent compatible with the material being pumped if the material being pumped is subject to “setting up” when not in use for a period of time.
- Disconnect the air supply from the pump if it is to be inactive for a few hours.

PARTS AND SERVICE KITS

Refer to the part views and descriptions as provided on pages 4 through 7 for parts identification and Service Kit information.
- Certain ARO “Smart Parts” are indicated which should be available for fast repair and reduction of down time.
- Service kits are divided to service two separate diaphragm pump functions: 1. AIR SECTION, 2. FLUID SECTION. The FLUID SECTION is divided further to match typical part MATERIAL OPTIONS.

MAINTENANCE

- Provide a clean work surface to protect sensitive internal moving parts from contamination from dirt and foreign matter during service disassembly and reassembly.
- Keep good records of service activity and include pump in preventive maintenance program.
- Before disassembling, empty captured material in the outlet manifold by turning the pump upside down to drain material from the pump.

FLUID SECTION DISASSEMBLY

1. Remove (60) inlet manifold and (61) outlet manifold.
2. Remove (22) balls, (19 and 33) “O” rings and (21) seats.
3. Remove (15) fluid caps.

NOTE: Only PTFE diaphragm models use a primary diaphragm (7) and a backup diaphragm (8). Refer to the auxiliary view in the Fluid Section illustration.
4. Remove the (6) diaphragm washer, (7) or (7 / 8) diaphragms, and (5) backup washer.

NOTE: Do not scratch or mar the surface of (1) diaphragm rod.

FLUID SECTION REASSEMBLY

- Reassemble in reverse order. Refer to the torque requirements on page 5.
- Clean and inspect all parts. Replace worn or damaged parts with new parts as required.
- Lubricate (1) diaphragm rod and (144) “U” cup with Lubriplate® FML-2 grease (94276 grease packet is included in service kit).
- For models with PTFE diaphragms: Item (8) Santoprene diaphragm is installed with the side marked “AIR SIDE” towards the pump center body. Install the PTFE diaphragm (7) with the side marked “FLUID SIDE” towards the (15) fluid cap.
- Re-check torque settings after pump has been re-started and run a while.

* Viton® and Hytrel® are trademarks of the DuPont Company  •  Kynar® is a registered trademark of Pemewitt Corp.  •  Loctite® is a registered trademark of Henkel Loctite Corporation  •  Santoprene® is a registered trademark of Monsanto Company licensed to Advanced Elastomer Systems, L.P.  •  Lubriplate® is a registered trademark of Lubriplate Division (Fiske Brothers)  •
### FLUID SECTION SERVICE KITS (637396-XX)

- **KITS INCLUDE:** BALLS (see Ball Option, refer to -XX in Service Kit chart below), DIAPHRAGMS (see Diaphragm Option, refer to -XX in Service Kit chart below), and items 19, 33, 70, 144, 175 and 180 (listed below) plus 94276 Lubriplate FML-2 grease (page 6).

#### PARTS LIST / PE10P-X-X-A0S FLUID SECTION

### SEAT OPTIONS PE10P-XXS-XXX-A0S

<table>
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<tr>
<th>-XX</th>
<th>Seat</th>
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</tr>
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<tr>
<td>-XX</td>
<td>94706</td>
<td>(4)</td>
<td>[SH]</td>
</tr>
<tr>
<td>-XX</td>
<td>94707-2</td>
<td>(4)</td>
<td>[K]</td>
</tr>
<tr>
<td>-XX</td>
<td>94707-1</td>
<td>(4)</td>
<td>[P]</td>
</tr>
<tr>
<td>-XX</td>
<td>96151</td>
<td>(4)</td>
<td>[SS]</td>
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### BALL OPTIONS PE10P-XXS-XXX-A0S

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<tr>
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<td>(4)</td>
<td>[SP]</td>
</tr>
<tr>
<td>-XX</td>
<td>93278-C</td>
<td>(4)</td>
<td>[H]</td>
</tr>
<tr>
<td>-XX</td>
<td>93278-2</td>
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</tr>
<tr>
<td>-XX</td>
<td>93278-3</td>
<td>(4)</td>
<td>[T]</td>
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### DIAPHRAGM OPTIONS PE10P-XXS-XXX-A0S

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<tr>
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<th>[Mtl]</th>
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<td>-XX = (Ball)</td>
<td>-XX = (Diaphragm)</td>
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<tr>
<td>-XXA</td>
<td>637396-XXA</td>
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<td>637396-XXM</td>
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<td>637396-XXT</td>
<td>96146-T</td>
<td>(2)</td>
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<tr>
<td>-XXV</td>
<td>637396-XXV</td>
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<td>(2)</td>
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### MANIFOLD / FLUID CAP MATERIAL OPTIONS PE10P-XXS-XXX-A0S

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<th>Qty</th>
<th>Part No.</th>
<th>[Mtl]</th>
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<tr>
<td>6</td>
<td>Diaphragm Washer</td>
<td>(2)</td>
<td>96108-2</td>
<td>[K]</td>
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<tr>
<td>15</td>
<td>Fluid Cap</td>
<td>(2)</td>
<td>96105-2</td>
<td>[K]</td>
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<tr>
<td>60</td>
<td>Inlet Manifold</td>
<td>(1)</td>
<td>96200-2</td>
<td>[K]</td>
</tr>
<tr>
<td>61</td>
<td>Outlet Manifold</td>
<td>(1)</td>
<td>96199-2</td>
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### COMMON PARTS

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<th>Item</th>
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<th>[Mtl]</th>
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<tbody>
<tr>
<td>1</td>
<td>Rod</td>
<td>(1)</td>
<td>95995</td>
<td>[C]</td>
</tr>
<tr>
<td>5</td>
<td>Backup Washer</td>
<td>(2)</td>
<td>95990-1</td>
<td>[SS]</td>
</tr>
<tr>
<td>26</td>
<td>Screw (M8 x 1.25 - 6g x 30 mm)</td>
<td>(16)</td>
<td>95880</td>
<td>[SS]</td>
</tr>
<tr>
<td>27</td>
<td>Screw (M8 x 1.25 - 6g x 50 mm)</td>
<td>(20)</td>
<td>96163</td>
<td>[SS]</td>
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<tr>
<td>28</td>
<td>Washer (8.5 mm i.d.)</td>
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<td>96217</td>
<td>[SS]</td>
</tr>
<tr>
<td>29</td>
<td>Flange Nut (M8 x 1.25 - 6h)</td>
<td>(20)</td>
<td>96229</td>
<td>[SS]</td>
</tr>
<tr>
<td>68</td>
<td>Air Cap</td>
<td>(1)</td>
<td>96104-3</td>
<td>[P]</td>
</tr>
<tr>
<td>69</td>
<td>Air Cap</td>
<td>(1)</td>
<td>96104-4</td>
<td>[P]</td>
</tr>
</tbody>
</table>

- [E] = E.P.R.
- [C] = Carbon Steel
- [H] = Hytrel
- [K] = PVDF (Kynar)
- [P] = Polypropylene
- [SH] = Hard Stainless Steel
- [SS] = Stainless Steel
- [SP] = Santoprene
- [V] = Viton
- [B] = Nitrile
- [MSP]= Medical Grade Santoprene
- [T] = PTFE
- [V] = Viton

For N.P.T.F. thread models (PE10P-AKS-XXX-A0S), use "-2". For BSP thread models (PE10P-BK-XXX-A0S), use "-3".

For N.P.T.F. thread models (PE10P-AP-XXX-A0S), use "-3". For BSP thread models (PE10P-BA-XXX-A0S), use "-3".

- [SH] = Hard Stainless Steel
- [SP] = Santoprene
- [SS] = Stainless Steel
- [B] = Nitrile
- [V] = Viton

- For N.P.T.F. thread models (PE10P-AKS-XXX-A0S), use "-2". For BSP thread models (PE10P-BK-XXX-A0S), use "-4".

- For N.P.T.F. thread models (PE10P-AP-XXX-A0S), use "-3". For BSP thread models (PE10P-BA-XXX-A0S), use "-3".

- [SP] = Santoprene
- [SS] = Stainless Steel
- [B] = Nitrile
- [V] = Viton

- For N.P.T.F. thread models (PE10P-AKS-XXX-A0S), use "-2". For BSP thread models (PE10P-BK-XXX-A0S), use "-4".

- For N.P.T.F. thread models (PE10P-AP-XXX-A0S), use "-3". For BSP thread models (PE10P-BA-XXX-A0S), use "-3".

- [SH] = Hard Stainless Steel
- [SP] = Santoprene
- [SS] = Stainless Steel
- [B] = Nitrile
- [V] = Viton

Air Section Service Kit parts, see page 6.
FOR THE AIR MOTOR SECTION
SEE PAGES 6 & 7

COLOR CODE

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>DIAPHRAGM COLOR</th>
<th>BALL COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hytrel</td>
<td>Cream</td>
<td>Cream</td>
</tr>
<tr>
<td>Nitrile</td>
<td>Black</td>
<td>Red</td>
</tr>
<tr>
<td>Santoprene</td>
<td>Tan</td>
<td>Tan</td>
</tr>
<tr>
<td>Santoprene</td>
<td>Green</td>
<td>N/A</td>
</tr>
<tr>
<td>(Backup)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PTFE</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>Viton</td>
<td>Yellow (-)</td>
<td>Yellow (+)</td>
</tr>
<tr>
<td></td>
<td>Dash</td>
<td>Dot</td>
</tr>
</tbody>
</table>

TORQUE REQUIREMENTS

NOTE: DO NOT OVERTIGHTEN FASTENERS.
ALL FASTENERS ARE METRIC.

(6) Diaphragm washer, 25 - 30 ft lbs (33.9 - 40.7 Nm), lubricate face with Lubriplate grease and apply Locotite® 271 to threads.

(26) Screws, 10 - 12 ft lbs (13.6 - 16.3 Nm).
(29) Nuts, 10 - 12 ft lbs (13.6 - 16.3 Nm).
(131) Screws, tighten to 11 - 14 ft lbs (14.9 - 19.0 Nm).

LUBRICATION / SEALANTS

☆ Apply Lubriplate FML-2 grease to all “O” rings, “U” cups & mating parts.
▲ Apply Locotite 242 to threads at assembly.
□ Apply anti-seize compound to threads and bolt and nut flange heads which contact pump case when using stainless steel fasteners.
★ Apply PTFE tape to threads at assembly.

⊙ Lubriplate FML-2 is a white food grade petroleum grease.
**Air Motor Parts**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description (size)</th>
<th>Qty</th>
<th>Part No.</th>
<th>Mtl</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Center Body</td>
<td>(1)</td>
<td>95970</td>
<td>[P]</td>
</tr>
<tr>
<td>103</td>
<td>Bushing</td>
<td>(1)</td>
<td>96000</td>
<td>[D]</td>
</tr>
<tr>
<td>121</td>
<td>Plug</td>
<td>(2)</td>
<td>96323</td>
<td>[D]</td>
</tr>
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<td>132</td>
<td>Gasket</td>
<td>(1)</td>
<td>96170</td>
<td>[B]</td>
</tr>
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<td>Washer (M6)</td>
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<td>95931</td>
<td>[SS]</td>
</tr>
<tr>
<td>134</td>
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<td>160</td>
<td>Air Manifold</td>
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<td>166</td>
<td>Gasket</td>
<td>(1)</td>
<td>96171</td>
<td>[B]</td>
</tr>
<tr>
<td>173</td>
<td>&quot;O&quot; Ring (3/32&quot; x 1-3/8&quot; o.d.)</td>
<td>(2)</td>
<td>Y325-123</td>
<td>[B]</td>
</tr>
<tr>
<td>176</td>
<td>Diaphragm (check valve)</td>
<td>(2)</td>
<td>95845</td>
<td>[SP]</td>
</tr>
<tr>
<td>181</td>
<td>Roll Pin (5/32&quot; o.d. x 1/2&quot; long)</td>
<td>(4)</td>
<td>Y178-52-S</td>
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</tr>
<tr>
<td>201</td>
<td>Muffler</td>
<td>(1)</td>
<td>93139</td>
<td>[P]</td>
</tr>
<tr>
<td>177</td>
<td>Lubriplate FML-2 Grease</td>
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<table>
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<td>637308</td>
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**Material Code**

- [A] = Aluminum
- [D] = Acetal
- [SP] = Santoprene
- [B] = Nitrile
- [P] = Polypropylene
- [SS] = Stainless Steel

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**Air Motor Section Service**

**General Reassembly Notes:**
- Air Motor Section Service is continued from Fluid Section repair.
- Inspect and replace old parts with new parts as necessary. Look for deep scratches on surfaces, and nicks or cuts in "O" rings.
- Take precautions to prevent cutting "O" rings upon installation.
- Lubricate "O" rings with Lubriplate FML-2 grease.
- Do not over-tighten fasteners, refer to torque specification block on view.
- Re-torque fasteners following restart.

**Air Motor Section Disassembly**

1. Remove (160) air manifold, exposing (132 and 166) gaskets and (176) checks.
2. Remove (121) plugs.

**Air Motor Section Reassembly**

1. Clean and lubricate parts not being replaced from service kit.
2. Replace (173) "O" rings and assemble (121) plugs.
3. Assemble (132 and 166) gaskets and (176) checks to (101) body.
4. Assemble (160) air manifold to (101) body, securing with (134) screws. NOTE: Tighten (134) screws to 35 - 40 in. lbs (4.0 - 4.5 Nm).
TROUBLE SHOOTING

Product discharged from exhaust outlet.
- Check for diaphragm rupture.
- Check tightness of (6) diaphragm washer.

Air bubbles in product discharge.
- Check connections of suction plumbing.
- Check "O" rings between intake manifold and inlet side fluid caps.
- Check tightness of (6) diaphragm washer.

Motor blows air or stalls.
- Check (176) check valve for damage or wear.
- Check for restrictions in valve / exhaust.

Low output volume, erratic flow, or no flow.
- Check air supply.
- Check for plugged outlet hose.
- Check for kinked (restrictive) outlet material hose.
- Check for kinked (restrictive) or collapsed inlet material hose.
- Check for pump cavitation – suction pipe should be sized at least as large as the inlet thread diameter of the pump for proper flow if high viscosity fluids are being pumped. Suction hose must be a non-collapsing type, capable of pulling a high vacuum.
- Check all joints on the inlet manifolds and suction connections. These must be air tight.
- Inspect the pump for solid objects lodged in the diaphragm chamber or the seat area.

TORQUE REQUIREMENTS

NOTE: DO NOT OVERTIGHTEN FASTENERS.
ALL FASTENERS ARE METRIC.
Torque (134) screw to 35 - 40 in. lbs (4.0 - 4.5 Nm).

LUBRICATION / SEALANTS
- Apply Lubriplate FML-2 grease to “O” rings, “U” Cups & mating parts.
- Apply anti-seize compound to threads at assembly.
DIMENSIONAL DATA

(Dimensions shown are for reference only, they are displayed in inches and millimeters (mm).

| A   | B   | C   | D   | E   | F   | G   | H   | J   | K   | L   | M   | N   | P   | Q   | R   | S   | T   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| see below | 13-25/32” (349.8 mm) | 10-1/16” (255.3 mm) | 2-11/32” (59.4 mm) | 9-23/32” (246.7 mm) | 8-5/16” (211.1 mm) | see below | 5-1/32” (127.6 mm) | 6-9/32” (159.6 mm) | 7/16” (11.1 mm) | see below | 1/2” (12.7 mm) | 14-11/32” (364.0 mm) | see below | 8-3/8” (212.9 mm) | 1-3/64” (26.6 mm) | 17/32” (13.3 mm) |
| A   | G   | L   | Q   | P   | B   | D   | K   | C   | A   | P   | Q   | H   | J   | L   | M   | R   |

PE10P-AXS-BXS-
PE10P-FXS-XXX-A0S
PE10P-YXS-XXX-A0S

1" A.N.S.I. / DIN Flange

1/4 - 18 N.P.T.F. - 1

PE10P-AXS-XXX-A0S
PE10P-BXS-XXX-A0S

1" A.N.S.I. / DIN Flange

1/4 - 18 N.P.T.F. - 1

PE10P-FXS-XXX-A0S

1" A.N.S.I. / DIN Flange

1/4 - 18 N.P.T.F. - 1

PE10P-YXS-XXX-A0S

Figure 4
PN 97999-1090
PE10P-X-X-A0S

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