Farval®

Industrial Lubrication Pumps,
Hose Reels,
Grease Guns and
Accessories
### Standard Duty Oil and Grease pumps

#### 8 G.P.M.
2" Air motor piston - 4" Stroke

**1:1 Ratio transfer pumps**

Ideal for transferring high volumes of all types of oils (mineral oil, motor oil, hydraulic oil, ATF, cutting oil, diesel, kerosene, etc.) through short runs with small pressure drops. Highly efficient and reliable, very low noise level, low air consumption. Built in exhaust mufflers, standard.

Patented double-action pump design assures even flow of fluid—only 3 parts in the air motor—quick and easy maintenance.

Precision corrosion-resistant parts, high alloy materials, quality seals. Heavy-duty, distortion-free pump tubes.

**Technical data**

Max. air pressure: 140 psi (10 Bar)
Min. air pressure: 40 psi (3 Bar)
Avg. air cons. at 100 psi (7 Bar): 7 cu. ft./min. (200 L/min.)
Max. capacity*: 16.4 gal./min. (62 L/min.)
Max. head*: 39.4 ft. (12 m)
Max. outlet press. (140 psi air): 140 psi (10 Bar)
Air inlet thread: 1/4" NPT (F)
Pump outlet thread: 1/4" NPT (F)
Fluid inlet thread: 1" NPT (F)
Bung adapter thread: 2" (M)

*Free delivery, SAE 20 oil at 70°F (20°C)—Air pressure: 100 psi (7 Bar)
**Air pressure: 140 psi (10 Bar), SAE 20 oil

#### 16 G.P.M.
2" Air motor piston - 4" Stroke

**1:1 Ratio transfer pumps**

Ideal for transferring high volumes of all types of oils (mineral oil, motor oil, hydraulic oil, ATF, cutting oil, diesel, kerosene, etc.) through short runs with small pressure drops. Highly efficient and reliable, very low noise level, low air consumption. Built in exhaust mufflers, standard.

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**Technical data**

Max. air pressure: 140 psi (10 Bar)
Min. air pressure: 40 psi (3 Bar)
Avg. air cons. at 100 psi (7 Bar): 7 cu. ft./min. (200 L/min.)
Max. capacity*: 16.4 gal./min. (62 L/min.)
Max. head*: 39.4 ft. (12 m)
Max. outlet press. (140 psi air): 140 psi (10 Bar)
Air inlet thread: 1/4" NPT (F)
Pump outlet thread: 1/4" NPT (F)
Fluid inlet thread: 1" NPT (F)
Bung adapter thread: 2" (M)

*Free delivery, SAE 20 oil at 70°F (20°C)—Air pressure: 100 psi (7 Bar)
**Air pressure: 140 psi (10 Bar), SAE 20 oil

### Bare Pump Models

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<thead>
<tr>
<th>Part #</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>F296</td>
<td>Stainless Steel Stub Pump</td>
</tr>
<tr>
<td>F214</td>
<td>Stub Pump</td>
</tr>
<tr>
<td>F216</td>
<td>16 Gallon Drum Pump</td>
</tr>
<tr>
<td>F218</td>
<td>55 Gallon Drum Pump</td>
</tr>
</tbody>
</table>

### Note:
5:1 Ratio HD pumps for oil distribution systems

Heavy-duty pumps designed to pump high volumes of oil, even those of higher viscosity (SAE 140), through long lines, hose reels and meters. Capable of serving several outlets simultaneously.

Patented double-action pump design assures even flow of fluid. Low noise level, efficient, reliable, heavy-duty design. Built in exhaust mufflers, standard.

Precision corrosion-resistant parts, high alloy materials, quality seals. Heavy-duty, distortion-free pump tubes.

Muffled exhaust, no icing. Long stroke means fewer cycles for less wear and longer pump life. In a class by itself, H-tech, rugged but simple design.

**Technical data**

- Max. air pressure: 140 psi (10 Bar)
- Min. air pressure: 40 psi (3 Bar)
- Avg. air consumption*: 7 cu.ft./min. (200 L/min.)
- Max. capacity at 85 psi (6 Bar)*: 10 gal./min. (37 L/min.)
- Max. head**: 700 psi (50 Bar)

Air motor diameter: 3" (70 mm)

Piston stroke: 1.5" (35 mm)

Suction strain diam. (pump foot): 1.6" (38 mm)

Air inlet thread: 1/4" NPT (F)

Pump outlet thread: 1/4" NPT (F)

Fluid inlet thread: 1/4" NPT (F)

Bung adapter thread: 2" (M)

*Free delivery, SAE 20 oil at 70°F (20°C)—Air pressure: 85 psi (6 Bar)

**Air pressure: 140 psi (10 Bar), SAE 20 oil

10 G.P.M.
3.5" air motor - 4" Stroke

55:1 Ratio high pressure grease pumps

High pressure grease pumps handle all types of grease up to and including NLGI 2 directly from 35 lb., 120 lb. and 400 lb. grease containers. For portable and stationary systems that include pipe lines, hose reels and control handles.

Shovel type self-pumping product piston. Integral intake suction strainer ensures non-fouling operation.

Highly efficient double-action pump design assures even flow of fluid, low noise level and low air consumption. Built in exhaust mufflers, standard.

Efficient and reliable—minimum maintenance.

**Technical data**

- Max. air pressure: 140 psi (10 Bar)
- Min. air pressure: 40 psi (3 Bar)
- Avg. air consumption*: 5 cu.ft./min. (150 L/min.)
- Max. delivery*: 40 cu. in./min. (650 cc/min.)
- Max. press. output (140 psi air): 7,700 psi (530 Bar)
- Air motor diameter: 3" (70 mm)
- Piston stroke: 1.5" (35 mm)
- Suction strain diam. (pump foot): 1.6" (38 mm)
- Air inlet thread: 1/4" NPT (F)
- Pump outlet thread: 1/4" NPT (F) (+1/2" 27M conn)
- Bung adapter thread: 2" (M)

*Free delivery, NLGI #2 grease at 70°F (20°C)—Air pressure: 100 psi (7 Bar)

40 G.P.M.
3" air motor - 1.5" Stroke

**Bare Pump Models**

<table>
<thead>
<tr>
<th>Part #</th>
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</tr>
</thead>
<tbody>
<tr>
<td>F400</td>
<td>Stub Pump</td>
</tr>
<tr>
<td>F406</td>
<td>16 Gallon Drum Pump</td>
</tr>
<tr>
<td>F408</td>
<td>33 Gallon Drum Pump</td>
</tr>
<tr>
<td>F413</td>
<td>275 Gallon Oval/500 Gallon Round</td>
</tr>
</tbody>
</table>

NOTE: Two-Year Warranty Standard on Above Pumps. Standard 2" Bung Bushing Supplied with Above Pumps
Stationary pumps for central supply systems and reel installations

**Grease service**

- **Model F306** For 120 lb. open top drum.
  - Includes the following:
    - Model F302: 55:1 Ratio pump with cover mounting adapter.
    - Model F1936: Deluxe drum cover for 120 lb. drum.
    - Model F903: Connecting hose installation hook-up kit.

- **Model F308** For 400 lb. open top drum.
  - Includes the following:
    - Model F304: 55:1 Ratio pump with cover mounting adapter.
    - Model F1938: Deluxe drum cover for 400 lb. drum.
    - Model F903: Connecting hose installation hook-up kit.

- **Model F335 (not shown)** For 35 lb. pail.
  - Includes the following:
    - Model F300: 55:1 Ratio pump with cover mounting adapter.
    - Model F1934: Deluxe cover for 35 lb. pail.
    - Model F903: Connecting hose installation hook-up kit.

**NOTE:** Order Follower Plate separately (see page 4).

**Oil lubrication fluid service**

- **Model F202** For 16 gal. bung type drum.
  - Includes the following:
    - Model F206: 3:1 Ratio pump with 2” bung bushing.
    - Model F904: Connecting hose hook-up kit.

- **Model F204** For 16 gal. open top drum.
  - Includes the following:
    - Model F206: 3:1 Ratio pump with cover mounting adapter.
    - Model F1936: Deluxe drum cover for 16 gal. drum.
    - Model F904: Connecting hose hook-up kit.

- **Model F222** For 55 gal. bung type drum.
  - Includes the following:
    - Model F208: 3:1 Ratio pump with 2” bung bushing.
    - Model F904: Connecting hose hook-up kit.

- **Model F224** For 55 gal. open top drum.
  - Includes the following:
    - Model F208: 3:1 Ratio pump with cover mounting adapter.
    - Model F1938: Deluxe drum cover for 55 gal. drum.
    - Model F904: Connecting hose hook-up kit.
Original container units for gear lube, motor oil, ATF and other fluids

**Oil, gear lube, fluid service**

**Model F402**
For 16 gal. bung type drum.
Includes the following:
- Model F406: 5:1 Ratio pump with 2" bung bushing.
- Model F906: Connecting hose hook-up kit.

**Model F404**
For 16 gal. open top drum.
Includes the following:
- Model F406: 5:1 Ratio pump with cover mounting adapter.
- Model F906: Connecting hose hook-up kit.

**Model F422**
For 55 gal. bung type drum.
Includes the following:
- Model F408: 5:1 Ratio pump with 2" bung bushing.
- Model F906: Connecting hose hook-up kit.

**Model F424**
For 55 gal. open top drum.
Includes the following:
- Model F408: 5:1 Ratio pump with cover mounting adapter.
- Model F1938: Deluxe drum cover for 55 gal. drum.
- Model F906: Connecting hose hook-up kit.

**Installation hook-up kits**

**Model F903**
High pressure connecting hose installation hook-up kit for 5:1 ratio grease pumps. Includes:
- Model F801: 2' Air hose, 1/4" NPT (M) both ends.
- Model F930: Quick air coupler 1/4" NPT (F).
- Model F931: Quick air nipple 1/4" NPT (M).
- Model F871: 5' high press. grease hose 1/2"-27 (F) both ends.
- Model F1108: High press. swivel coupler 3/4"-27 (M) x 1/4" (M).

**Model F904**
Medium pressure connecting hose installation hook-up kit for 1:1 and 3:1 ratio fluid pumps. Includes:
- Model F801: 2' Air hose, 1/4" NPT (M) both ends.
- Model F930: Quick air coupler 1/4" NPT (F).
- Model F931: Quick air nipple 1/4" NPT (M).

**Model F905**
Medium pressure connecting hose installation hook-up kit for 5:1 ratio fluid pumps. Includes:
- Model F822: 2' Air hose, 1/2" NPT (M) x 1/2" NPT (M).
- Model F940: Quick air coupler 1/2" NPT (F).
- Model F941: Quick air nipple 1/2" NPT (M).
- Model F857: 5' med. press. 1/2" hose 1/2" NPT (M) ends.
- Model F1953: Pump to hose connect. 1" NPT (M) x 3/4" NPT (F).

**Steel follower plates: rubber grommet and wiper**

**Model F906**
Follower for 35 lb. pail.

**Model F908**
Follower for 120 lb. drum.

**Model F906**
400 lb. drum.

**Heavy-duty deluxe drum covers**

**Model F1934**
Cover for 35 lb. pail, complete with mounting hardware.

**Model F1936**
Cover for 120 lb. drum, complete with mounting hardware.

**Model F1938**
Cover for 400 lb. drum, complete with mounting hardware.
### Stub pumps for bulk liquid systems

#### 3:1 Ratio stub pump—8 G.P.M.

**Model F200**
- 3:1 ratio stub pump only with 2” bung adapt.
- Outlet: ¾” NPT (F). Inlet: ½” NPT (F). Air: ¼” NPT (F).

**Model F210**
- Model F200 plus Model F904 connecting hose hook-up kit.

**Model F222**
- For std. 250 gal. work bench type tank. Includes the following:
  - Model F208: 3:1 ratio pump with 2” bung bushing.
  - Model F904: *Connecting hose hook-up kit.

**Model F212**
- For 275 gal. oval or 500 gal. round tank. Includes the following:
  - Model F213: 3:1 ratio pump with 2” bung bushing.
  - Model F904: *Connecting hose hook-up kit.

#### 5:1 Ratio stub pump—10 G.P.M.

**Model F400**
- 5:1 ratio stub pump only with 2” bung adapt.
- Outlet: 1” NPT (F). Inlet: 1” NPT (F). Air: ½” NPT (F).

**Model F410**
- Model F400 plus Model F906 connecting hose hook-up kit.

**Model F422**
- For std. 250 gal. work bench type tank. Includes the following:
  - Model F408: 5:1 ratio pump with 2” bung bushing.
  - Model F906: *Connecting hose hook-up kit.

**Model F412**
- For 275 gal. oval or 500 gal. round tank. Includes the following:
  - Model F413: 5:1 ratio pump with 2” bung bushing.
  - Model F906: *Connecting hose hook-up kit.

*See page 4 for description

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**Wall mounting Installation kits**

**Model F912**
- Wall mounting siphon kit for 1:1, 3:1, and 5:1 ratio pump. Includes the following:
  - Model F900: Wall mount bracket
  - Model F910: Siphon kit consisting of:
    - 45” suction tube with foot valve ¾” NPT (F).
    - 2” bung bushing adaptor.
    - 8’ spring reinforced suction hose ¾” (F)
    - 3:1 pump to hose connector ¾” NPT (M) x ¾” (M).
    - 5:1 and 1:1 pump to hose conn. 1” NPT (M) x ¾” (M).

**Model F924**
- Wall mounting installation kit for lower side outlet tank.
  - For mounting 5:1 ratio pumps.
  - Includes the following:
    - Model F900: Wall mount bracket
    - Model F963: 5’ Medium pressure hose, 1” NPT (M) ends.

*Typical wall mount hook-up.*
Specialty pumps and accessories

**316 Stainless steel pumps**

To pump any fluid compatible with AISI-316 stainless steel, PTFE (Teflon), and Viton. Air motor divorced from the pump to avoid fluid contamination inside the motor.

Hi-tech, long stroke piston pumps for handling water-based fluids as well as other slightly corrosive fluids. Not for use with strong acids. Some fluids that can be handled:
- Alcohol
- Benzol
- Trichloroethane
- Toulene
- Anti-freeze
- Detergents
- Lubricants
- Xylene

**Model F296**

1:1 ratio SS pump only. Fluid inlet: 1" NPT (F). Fluid outlet: 1" NPT (F). Air inlet: 1/4" NPT (F).

**Model F496**

3:1 ratio SS pump only. Fluid inlet: 1" NPT (F). Fluid outlet: 1" NPT (F). Air inlet: 3/8" NPT (F).

**Model F298**

Includes Model F296/SS pump plus Model F906* connecting hose hook-up kit.

**Model F498**

Includes Model F496/SS pump plus Model F906* connecting hose hook-up kit.

*See page 4 for description.

**High Volume 1:1 fluid transfer pumps—16 G.P.M.**

**Model F214**

1:1 ratio stub pump only with 2" bung bushing adapter. Fluid inlet: 1" NPT (F). Fluid outlet: 1/4" NPT (F). Air inlet: 1/4" NPT (F).

**Model F230**

Includes Model F214 pump plus Model F904 connecting hose hook-up kit.

**Model F216**

1:1 ratio pump for 16 gal. drum with 2" bung bushing adapter. Fluid inlet: 1" NPT (F) plus suction adapter. Fluid outlet: 1/4" NPT (F). Air inlet: 1/4" NPT (F).

**Model F226**

Includes Model F216 pump plus Model F904 connecting hose hook-up kit.

**Model F218**

1:1 ratio pump for 55 gal. drum with 2" bung bushing adapter. Fluid inlet: 1" NPT (F) plus suction adapter. Fluid outlet: 1/4" NPT (F). Air inlet: 1/4" NPT (F).

**Model F228**

Includes Model F218 pump plus Model F904 connecting hose hook-up kit.

*See page 4 for description.

**316 Stainless steel pumps**

**Mini filter, regulator, lubricator**

**Model F955**

1/4" Mini filter, regulator (0-250 psi) gauge (2"), 0-160 psi), lubricator.

**Model F954**

Same as Model F955 except 1/8".

**Model F989**

Mount kit for combo units.

**Low level switch kit for 120/400 lb drums**

**Model LC10243**

- for 120 lb drum

**Model LC11036**

- for 400 lb drum

**Notes:**
1. Requires cover and follower plate - order separately.
2. Customer/user to provide 15/16" hole in cover.
3. Can be used with any style pump.
Heavy duty 6” air motor; 4-1/2” stroke grease & oil pumps

Features that make the difference

55:1 grease pumps are offered in standard drum sizes - 120lb/400lb. 10:1 oil pumps are available as stub pumps and can be fitted to any size drum or tank. Heavy duty, high pressure/performance grease/oil pumps for installations:

- Having long dispense lines.
- Where low pressure would limit pump performance.
- In cold weather and severe duty operations.
- Air motor tested to more than 5 million cycles. Pump design incorporates a double acting-priming piston.
- Grease pumps handle up to NLGI #3 grease
- Corrosion resistant parts including aluminum alloy steel, polyurethane, and nitrile.
- Delux powder coat finish on air motor.
- Quiet dual muffler exhaust incorporated into air motor.
- Longer stroke allows fewer cycles, producing less wear, longer life, and no icing.

Ten year warranty

Technical Data 10:1 Pumps

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Air Pressure</td>
<td>160 psi (11 bar)</td>
</tr>
<tr>
<td>Min. Air Pressure</td>
<td>10 psi (7 bar)</td>
</tr>
<tr>
<td>Avg. Air Consumption*</td>
<td>8cfm (285 L/M)</td>
</tr>
<tr>
<td>Max. Output*</td>
<td>16 gpm (60 L/M)</td>
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<tr>
<td>Max. Pressure</td>
<td>1600 psi (607 bar)</td>
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<tr>
<td>Air Inlet Thread</td>
<td>1/2&quot; NPT (F)</td>
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<tr>
<td>Fluid Outlet Thread</td>
<td>3/4&quot; NPT (F)</td>
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<tr>
<td>Fluid Inlet Thread</td>
<td>1 1/2&quot; NPT (F)</td>
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<tr>
<td>Pump Mounting</td>
<td>Flange (bung optional)</td>
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<tr>
<td>Noise Level</td>
<td>65 dB</td>
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Technical Data 55:1 Grease Pumps

<table>
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<tr>
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<th>Specification</th>
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<tr>
<td>Max. Output*</td>
<td>12 Bsmminute (5.1kgf/M)</td>
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<tr>
<td>Max. Pressure</td>
<td>830 psi (567 bar)</td>
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<tr>
<td>Air Inlet Thread</td>
<td>1/2&quot; NPT (F)</td>
</tr>
<tr>
<td>Grease Outlet Thread</td>
<td>3/4&quot; NPT (F)</td>
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<tr>
<td>Pump Mounting</td>
<td>Flange (bung optional)</td>
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<td>Noise Level</td>
<td>65 dB</td>
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Technical Data 55:1 Oil Pumps

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<td>Noise Level</td>
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<tbody>
<tr>
<td>F600</td>
<td>10:1 Stub Pump</td>
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<tr>
<td>F913</td>
<td>Medium pressure hose kit for 10:1 pumps</td>
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<tr>
<td>F36109</td>
<td>Wall mounting bracket</td>
</tr>
<tr>
<td>F36006</td>
<td>Bung Adapter for 10:1 pumps</td>
</tr>
<tr>
<td>F418025</td>
<td>16 gallon drum cover</td>
</tr>
<tr>
<td>F418026</td>
<td>55 gallon drum cover</td>
</tr>
<tr>
<td>F360133</td>
<td>Cover bung adapter plate</td>
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<tr>
<td>F622</td>
<td>55:1 Bare pump for 120 # drum</td>
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<tr>
<td>F624</td>
<td>55:1 Bare pump for 400 # drum</td>
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<tr>
<td>F915</td>
<td>High pressure hose kit for 55:1 pumps</td>
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<tr>
<td>F410001</td>
<td>Bung adapter for 55:1 pumps</td>
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<tr>
<td>F418025</td>
<td>120 # drum cover</td>
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<td>F418026</td>
<td>400 # drum cover</td>
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<td>F964</td>
<td>120 # follower plate</td>
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<td>F966</td>
<td>400 # follower plate</td>
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<tr>
<td>F360133</td>
<td>Cover bung adapter plate</td>
</tr>
</tbody>
</table>

NOTE: BUNG ADAPTER & ADAPTER PLATE MUST BE ORDERED SEPARATELY

F111 PUMP HOIST - Designed to lift Farval 6” pumps pneumatically for drum changing. Lift unit consists of a steel tube that rises in a cast iron bearing under air pressure. Steel top beam has 360° swivel action at any height, and is adjustable in length. Adjustable chain and hook included with hoist. Can be used with other drum pumps by utilizing a strap.

6” Heavy Duty for 55 gallon/400 lb. drum

10:1 Oil Pumps and Accessories

10:1 Grease Pumps and Accessories

55:1 Grease Pumps and Accessories

NOTE: BUNG ADAPTER & ADAPTER PLATE MUST BE ORDERED SEPARATELY
DESCRIPTION
Farval’s AC or DC electric barrel pumps will replace the air or hydraulic operated pumps now used for lube systems on mobile or stationary equipment. Installation is cleaner - no air or hydraulic lines to install/leak. Simply wire into the machines 12, 24, or 110-volt supply. Pressure rated to 4000 psi. Will fit original refinery 35 and 120 lb. drums.

All models include drum cover, and follower plate.

OPERATION
12/24 VDC Pumps
The pump end (bottom) consists of a hardened steel bushing, through which the piston runs. As the piston strokes down, grease is pushed past the check valve ball and out through the extruded discharge holes in the pump stem. As the piston strokes up, the check valve prevents drawback, and a vacuum is created inside the bushing. When the piston uncovers the suction holes in the bushing, another charge of grease is drawn in through the suction ports on the bottom of the stem and into the bushing. The cycle then repeats.

The reciprocating motion of the piston is generated by the power pack, and is transmitted through the driveshafts, with the return (up) motion caused by the return spring. The heart of the power pack is a heavy duty solenoid, which, when energized by the relay, pulls its armature down, operating the upper driveshaft. The lower driveshaft, including the piston, is forced down against the return spring, and against the discharge pressure. At the bottom of the armature’s stroke, the actuator switch turns off the signal to the relay, deenergizing the pump solenoid coil, allowing the return spring to push everything back up. At the top of the stroke, the actuator switch turns on, and the cycle repeats.

115 VAC Pumps
The 115 VAC Pumps use a 1/4 hp., open drip-proof gearmotor, with a cam and roller follower to actuate the pump plunger. Bottom-end (pump) is identical to the DC units.

ELECTRIC BARREL PUMP SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Voltage AC/DC</th>
<th>Container Size</th>
<th>Pressure Max PSI</th>
<th>Lube Flow Output/Minute</th>
<th>Amp Draw Normal</th>
<th>Amp Draw Spike</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEP312</td>
<td>12 VDC</td>
<td>35 lb pail</td>
<td>4000</td>
<td>14.5 cu. In</td>
<td>See Note 1</td>
<td>80 Amps</td>
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<td>FEP322</td>
<td>12 VDC</td>
<td>120 lb drum</td>
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<td>14.5 cu. In</td>
<td>See Note 1</td>
<td>80 Amps</td>
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<td>FEP412</td>
<td>12 VDC</td>
<td>35 lb pail</td>
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<td>14.5 cu. In</td>
<td>See Note 2</td>
<td>40 Amps</td>
</tr>
<tr>
<td>FEP422</td>
<td>24 VDC</td>
<td>120 lb drum</td>
<td></td>
<td>14.5 cu. In</td>
<td>See Note 2</td>
<td>40 Amps</td>
</tr>
<tr>
<td>FEP812</td>
<td>115/230VAC 50/60 HZ</td>
<td>35 lb pail</td>
<td></td>
<td>11 cu. In</td>
<td>See Note 3</td>
<td>5 Amps</td>
</tr>
<tr>
<td>FEP822</td>
<td>115/230VAC 50/60 HZ</td>
<td>120 lb drum</td>
<td></td>
<td>11 cu. In</td>
<td>See Note 3</td>
<td>5 Amps</td>
</tr>
</tbody>
</table>

Notes:
1 12VDC 15-20 amp draw @ free flow, 30-40 amp draw @ 3000 psi
2 24VDC 7-10 amp draw @ free flow, 15-20 amp draw @ 3000 psi
3 120VAC 5 amp draw @ free flow or 3000 psi
4 Lube Outlet port is 1/4” NPT (F)

NOTE: Lube containers supplied by others.
Manual pumps and accessories

Heavy duty self-contained units

Model F1995
Lever action oil pump. Oval shaped 4 1/2 gallon steel container with foot rest. Solid construction. Includes 5’ oil hose and curved nozzle.

Model F1996
High pressure 6,000 psi lever action grease pump. Oval shaped 35 pound steel container with foot rest. Includes 7’ grease hose and hydraulic coupler. Adjustable pressure and volume.

Heavy duty original container units

Model F1984
Heavy duty hand operated high pressure (6,000 psi) grease pump unit. Fits 35 lb. pail. Complete with pump, cover, 5’ hose, pipe with coupler, carry handle and follower plate.

Model F1986
Heavy duty hand operated gear lube pump unit. Fits 6 gallon pail. Complete with pump, cover, 5’ hose, curved pipe with anti-drip tip.

Model F1988
Heavy duty hand operated filler pump unit. Fits 35 lb. pail. Complete with pump, cover, filler valve, dust cap and follower plate.

Model F1991
Heavy duty hand operated bearing packer fits 35 lb. pail. Complete with pump, cover, packer, dust cap and follower plate.

Model F1999
High pressure 7,000 psi, foot operated grease pump, spring loaded for heavier grease. Cast iron pump body and precision finished pump mechanism with spring follower plate. Includes air bleeder valve, 7’ grease hose, hydraulic coupler and 2 1/2 lb. steel container.

Portable carts

Trucks - Dollies - Bases

Model F1301
2 wheel dolly - for 35, 50 and 120 lb. drum.

Model F1302
Band type dolly for 35 lb. pail.

Model F1303
3 wheel cart - for 120 lb. drums.

Model F1304
Band type dolly for 120 lb. pail.

Model F1305
Heavy duty 3 wheel platform truck for 55 gallon drum. Swivel wheel with locking brake. Will hold drum and hose reel.

Model F1306
X-frame type dolly for 400 lb. drum.

Model F1312
Deluxe portable base for 120 lb. drum.
Hose Reels

Features that make the difference

Double pedestal side supports and hose guide arms
- Reel is supported on both sides, gusset-reinforced pedestals and arms.
- The pedestal arms stay rigid—no bending, even when the hose is pulled at an angle.
- Less vibration, less bending—longer life.
- Hose is guided on both sides, without side to side bending—less wear and tear on both reel and hose.
- Guide arms are adjustable to any of three different mounting positions to provide the ideal configuration for wall, ceiling, floor, pit or truck mounting.

Heavy-duty construction
- Heavy gauge plate steel.
- Welded, with gussets, for additional strength and rigidity.

Hardened shaft and corrosive-proof swivel
- Extended leak-proof seal life.

Full flow porting
- Fully ported hub—no flow restrictions. Maximum fluid delivery for faster dispensing.

Permanently lubricated bearings
- Positive reel recoil every time.
- Reduced maintenance, less downtime.
- Prolongs reel life.

Universal installation
- RF
  - Rear Floor
- CM
  - Ceiling Mount
- SR
  - Side Roller

The narrow design and easily rotated guide arm virtually solve all installation problems.

Reels are shipped in the CM position and can be easily changed on site.

Compact narrow design
- Engineered to save installation space.

Heavy-duty latch mechanism
- Non sparking.
- Positive, audible hose position lock.

Trouble-free floating reel spring
- Enclosed spring.
- Complete canister can be removed and replaced.
- No accidental fly-back damage.

Conical hose stopper
- To avoid striking against other objects.

Sinterized powder coated
- High resistance against wear.

Parts and labor warranty
- Two-year warranty.
### Standard Reels

#### Standard Capacity 1400 Series

**1400 Series heavy-duty, quality hose reel engineered to save space**

**Heavy-duty design**
The narrow design and easily rotated guide arm virtually solve all installation problems.

- Holds up to 40’ of ½” Hose
- For ¼”, ⅛” and ½” I.D. Hose
- Swivel inlet: ½” NPT (F) Low pressure
- ½” NPT (F) Medium pressure
- ⅛” NPT (F) High pressure

<table>
<thead>
<tr>
<th>Reel Model*</th>
<th>Hose Length</th>
<th>I.D.</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Low pressure—Air, water</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F1415</td>
<td>30’</td>
<td>½”*</td>
<td>F826</td>
</tr>
<tr>
<td>F1417</td>
<td>40’</td>
<td>½”*</td>
<td>F828</td>
</tr>
<tr>
<td>F1402</td>
<td>Reel only w/swivel (3000 psi)—no hose</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Medium pressure—Oils, fluids</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 - Wire braid hose (2000 psi)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F1428</td>
<td>30’</td>
<td>½”*</td>
<td>F851</td>
</tr>
<tr>
<td>F1426</td>
<td>40’</td>
<td>½”*</td>
<td>F853</td>
</tr>
<tr>
<td>F1402</td>
<td>Reel only w/swivel (3000 psi)—no hose</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>High pressure—Grease</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 - Wire braid hose (5000 psi)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F1431</td>
<td>30’</td>
<td>¼”*</td>
<td>F876</td>
</tr>
<tr>
<td>F1432</td>
<td>40’</td>
<td>¼”*</td>
<td>F878</td>
</tr>
<tr>
<td>F1403</td>
<td>Reel only w/swivel (8000 psi)—no hose</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Reels include inlet swivel, models with hose include hose stop. See page 14 for inlet connecting hoses.

---

**A: 19¼”**

**B: 20½”**

**C: 5⅛”**

**D: 8½”**

Shown with inlet hose—order extra.
# Extra Heavy-duty Large Capacity Reels

## Heavy-duty 1600 Series

**Extra heavy-duty design**

**1600 Series**

- Welded base and dual side support construction.
- Heavier, thicker gauge steel. 50% heavier than our standard capacity series reels.
- Dual adjustable outlet arms. Extra strength tie bar construction.
- Heavy-duty roller outlet. Assembled with 3 plates of steel.
- Easy to mount. Same bolt hole pattern as our standard capacity series reels.

Holds up to 60' of 1/4" I.D. Hose

For use with 1/4", 1/2" and 3/8" I.D. Hose

Swivel inlet: 1/2" NPT (F) Low pressure
1/2" NPT (F) Medium pressure
1/2" NPT (F) High pressure

**Low Pressure—Air, Water**

<table>
<thead>
<tr>
<th>Reel Model</th>
<th>Hose Model</th>
<th>Length</th>
<th>Hose I.D.</th>
<th>psi</th>
<th>Hose Stop</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1663</td>
<td>F829</td>
<td>50'</td>
<td>1/2&quot;</td>
<td>300</td>
<td>F2026</td>
<td>Complete Assembly</td>
</tr>
<tr>
<td>F1665</td>
<td>F830</td>
<td>60'</td>
<td>1/2&quot;</td>
<td>300</td>
<td>F2026</td>
<td>Complete Assembly</td>
</tr>
<tr>
<td>F1661</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Reel only with swivel—(3000 psi)—no hose</td>
</tr>
</tbody>
</table>

**Medium Pressure—Oils, Fluids**

<table>
<thead>
<tr>
<th>Reel Model</th>
<th>Hose Model</th>
<th>Length</th>
<th>Hose I.D.</th>
<th>psi</th>
<th>Hose Stop</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1674</td>
<td>F854</td>
<td>50'</td>
<td>1/2&quot;</td>
<td>2500</td>
<td>F2026</td>
<td>Complete Assembly</td>
</tr>
<tr>
<td>F1676</td>
<td>F855</td>
<td>60'</td>
<td>1/2&quot;</td>
<td>2500</td>
<td>F2026</td>
<td>Complete Assembly</td>
</tr>
<tr>
<td>F1652</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Reel only with swivel—(3000 psi)—no hose</td>
</tr>
</tbody>
</table>

## High Pressure—Grease

<table>
<thead>
<tr>
<th>Reel Model</th>
<th>Hose Model</th>
<th>Length</th>
<th>Hose I.D.</th>
<th>psi</th>
<th>Hose Stop</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1682</td>
<td>F892</td>
<td>50'</td>
<td>3/8&quot;</td>
<td>4000</td>
<td>F2024</td>
<td>Complete Assembly</td>
</tr>
<tr>
<td>F1683</td>
<td>F893</td>
<td>60'</td>
<td>3/8&quot;</td>
<td>4000</td>
<td>F2024</td>
<td>Complete Assembly</td>
</tr>
<tr>
<td>F1653</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Reel only with swivel—(8000 psi)—no hose</td>
</tr>
</tbody>
</table>

*Reels include inlet swivel, models with hose include hose stop. See page 14 for inlet connecting hoses.*
Heavy duty 3/4” Hose Reel

7500 Series
Heavy Duty Design

Dual pedestal base and dual guide arms with extra strength tie bar construction.

HD Steel with powder coat finish

Full flow porting

HD 3/4” medium pressure swivel

HD roller outlet with 4 plates of steel

Lifetime lubricated all metal babbit type bearings

Adjustable outlet arms

Two Year Warranty

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Max Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>F7500</td>
<td>3/4” Bare Reel w/ Swivel and Hose Stop</td>
<td>1100 PSI</td>
</tr>
<tr>
<td>F7550</td>
<td>F7500 w/50’ 3/4” Med Pressure w/ Hose Stop</td>
<td>1100 PSI</td>
</tr>
<tr>
<td>F7575</td>
<td>F7500 w/75’ 1/2” Med Pressure w/ Hose Stop</td>
<td>1100 PSI</td>
</tr>
<tr>
<td>F7585</td>
<td>F7500 w/75’ 1/2” Low Pressure w/ Hose Stop</td>
<td>300 PSI</td>
</tr>
</tbody>
</table>

- 77 Bar (1100 psi) max working pressure.
- Comes SR (side roller) mount. Can be indexed for ceiling mount.
- Same bolt hole mounting pattern as our standard reels.

Base is 9” wide and 10” deep
Reel Accessories

Hose stops

<table>
<thead>
<tr>
<th>Model</th>
<th>Hose I.D.</th>
<th>Hose Ends</th>
<th>psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>F822</td>
<td>1/2&quot;</td>
<td>1/2&quot; NPT (M)</td>
<td>300</td>
</tr>
<tr>
<td>F845</td>
<td>1/2&quot;</td>
<td>1/2&quot; NPT (M)</td>
<td>2500</td>
</tr>
<tr>
<td>F883</td>
<td>3/8&quot;</td>
<td>3/8&quot; NPT (M)</td>
<td>4000</td>
</tr>
</tbody>
</table>

Inlet connecting hoses

Inlet hoses are used between reel and permanent plumbing, especially where vibration is present. All inlet hoses are 24" long.

<table>
<thead>
<tr>
<th>Model</th>
<th>Hose I.D.</th>
<th>Hose Ends</th>
<th>psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>F822</td>
<td>1/2&quot;</td>
<td>1/2&quot; NPT (M)</td>
<td>300</td>
</tr>
<tr>
<td>F845</td>
<td>1/2&quot;</td>
<td>1/2&quot; NPT (M)</td>
<td>2500</td>
</tr>
<tr>
<td>F883</td>
<td>3/8&quot;</td>
<td>3/8&quot; NPT (M)</td>
<td>4000</td>
</tr>
</tbody>
</table>

Swivels & outlets—high pressure

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Threads</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1104</td>
<td>1/2&quot;</td>
<td>1/2&quot; NPT (M) x 1/2&quot; 27M</td>
</tr>
<tr>
<td>F1108</td>
<td>Straight</td>
<td>1/2&quot; NPT (M) x 1/2&quot; 27M</td>
</tr>
<tr>
<td>F1120</td>
<td>Curved outlet pipe</td>
<td>1/2&quot; NPT (M)</td>
</tr>
<tr>
<td>F1124</td>
<td>H.D. 3 jaw hydraulic coupler (air power equipment only)</td>
<td>1/2&quot; NPT (M)</td>
</tr>
</tbody>
</table>

Outlets - medium pressure

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Threads</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1130</td>
<td>Gear</td>
<td>1/2&quot; NPT</td>
</tr>
<tr>
<td>F1134</td>
<td>ATF</td>
<td>F1135 Flex hose</td>
</tr>
<tr>
<td>F1171</td>
<td>Oil</td>
<td>F1139 Outlet</td>
</tr>
<tr>
<td>F1173</td>
<td>Multi-fluid</td>
<td>F1128 One-does-all</td>
</tr>
</tbody>
</table>

High pressure control handles

<table>
<thead>
<tr>
<th>Model</th>
<th>Inlet</th>
<th>Swivel</th>
<th>Outlet</th>
<th>Coupler</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1113</td>
<td>1/4&quot; NPT (F)</td>
<td>No</td>
<td>F1120</td>
<td>F1124</td>
</tr>
<tr>
<td>F1115</td>
<td>1/4&quot; NPT (F)</td>
<td>F1104</td>
<td>F1120</td>
<td>F1124</td>
</tr>
</tbody>
</table>

Medium pressure high volume control handles

<table>
<thead>
<tr>
<th>Model</th>
<th>Service</th>
<th>Inlet Thread</th>
<th>Outlet</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1130</td>
<td>Gear</td>
<td>1/2&quot; NPT</td>
<td>F1131</td>
<td>Pipe w/elbow</td>
</tr>
<tr>
<td>F1134</td>
<td>ATF</td>
<td>F1135 Flex hose</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F1171</td>
<td>Oil</td>
<td>F1139 Outlet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F1173</td>
<td>Multi-fluid</td>
<td>F1128 One-does-all</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I-beam mounting bracket

Model F1389

Includes a pair of brackets and hardware. Eliminates the need to drill column or beam. For mounting individual reel to beam flange.
Electronic Metering Control Valves

State of the art electronic oval gear meter for accurate dispensing of lubricants up to SAE 140

- Patented electronic circuit board for today's high quality demands.
- Precision engineered oval gears with 200 pulses per unit of measurement.
- Uses standard AAA 1.5 volt alkaline batteries - available anywhere.
- Twice the accuracy of other oval gear meters with maximum flow and minimum pressure drop.
- Battery replacement from top of the meter - no need to take meter apart.
- Memory remains intact indefinitely when replacing batteries.
- Simple infield memory calibration - no calculations or disassembling of the meter are required.
- Flange coupled and sealed to the control valve. No adapters or fittings to leak. (moisture proof)
- Large (quarts) batch display, resettable after each use. Permanent, non resetable totalizer (gallons) for reliable inventory control.
- Extensively field tested for proven reliability in high volume applications.
- Tested and passed: pressure, humidity, temperature, impact, vibration, shock, and magnetic tests.
- Patented design with the newest manufacturing and assembly techniques for the lowest cost - highest quality electronic meter available - 5 year warranty.

**Note:** Quart meter totals in gallons. 
Liter meter totals in Liters.

| Technical Specifications |
|---------------------------|-----------------------------|
| Accuracy                  | ±0.5% ±0.01% with field calibration |
| Flow Range                | 1.0 to 25.0 l/hr/min — 0.25 to 8 gal/min |
| Operating Pressure Range  | 0.5 to 100 Bar — 8 to 1500 PSI |
| Operating Temperature     | 0° to 80° C — -10° to 176°F |
| Inlet                     | 1/2” (F) |
| Outlet                    | 1/2” (F) |
| Battery                   | 2 x 1.5v AAA Alkaline |
| Fluid Compatibility       | Mineral and synthetic lubricants Up to 140 SAE |
| Warranty                  | 5 years |
Hand Grease Guns

**Lever type**

The tough high pressure cast iron head makes Farval Grease Guns unique in comparison to common pot metal or other die cast heads. Farval guns have a head burst pressure of 17,000 psi (1200 Bar).

Easy to maintain original pressure and delivery under the hardest working conditions. Delivers 0.1 oz. per stroke with 7,100 psi counter pressure.

Heavy-duty knurled steel barrel with large threads for easy loading.

Locking follower rod, heavy-duty spring, heavy-duty beveled rubber follower, no conversion needed for various filling.

Use standard 14 oz. cartridge or 16 oz. bulk grease.

**Model F1200** Standard Series
- Heavy-duty cast iron head, with port for optional filler nipple.
- Curved outlet pipe and coupler with ball check and hardened jaws.
- Heavy-duty barrel with large threads and O-ring seal.
- Heavy-duty rod, spring and follower.
- Rugged baked enamel finish.

**Model F1205** Deluxe Series
Has all the features of Model F1200 plus:
- Filler nipple for three-way loading.
- Vinyl handle grip.

**Model F1210** Professional Series
Has all the features of Model F1205 plus:
- Variables stroke cast iron head.
- Air bleeder valve.
- Removable valve checks for ease of maintenance.
- Metallic baked finish.
- Zinc-plated lever handle and linkage.

**Pistol type**

**Model F1222** Professional Series
Has all the features of Model F1200 plus:
- Removable valve checks for ease of maintenance.
- Air bleeder valve.
- Filler nipple for three-way loading.
- Metallic baked finish.
- Zinc-plated handle and linkage.
- One-hand action for hard-to-reach fittings.
- Vinyl handle grip.
Output = .061 cu. in. (1cc) per stroke.

Model F1233  Professional Series
- 60:1 ratio air motor.
- Combination bleeder valve and filler nipple.
- Three-way loading.
- Heavy-duty rod, spring and follower.
- Curved outlet pipe and coupler with ball check and hardened jaws.
- Heavy-duty barrel with large threads and O-ring seal.
- Metallic baked finish.

Model F1235  Special Industrial Series
- 60:1 ratio air motor.
- Unique, exclusive air-powered follower plate, ideal for heavy greases.
- Large 33 1/2 oz. capacity heavy-duty knurled barrel.
- Filler nipple for two-way loading.
- Wire braid flex hose extension and coupler with hardened jaws.
- Metallic baked finish.

Transfer pumps
Heavy-duty, high quality hand-operated transfer pumps.
For light, medium and heavy automotive, petroleum and industrial products.

Model F1240

Model F1243
Same features as Model F1240 plus: A larger pump body with longer stroke piston. Has Viton® seals, usable with alcohols, degreasers, solvents, oils and anti-freeze. Long, curved removable steel spout with garden hose threads. Output is .45 liters per stroke.

Buttonhead fittings

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1290</td>
<td>Standard --- 1/8” NPT</td>
</tr>
<tr>
<td>F1291</td>
<td>Standard --- 1/4” NPT</td>
</tr>
<tr>
<td>F1292</td>
<td>Giant --- 3/8” NPT</td>
</tr>
<tr>
<td>F1293</td>
<td>Giant --- 3/8” NPT</td>
</tr>
</tbody>
</table>

Accessory adapters and couplers

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1226</td>
<td>Standard buttonhead coupler --- 1/8” NPT (F)</td>
</tr>
<tr>
<td>F1228</td>
<td>Giant buttonhead coupler --- 1/8” NPT (F)</td>
</tr>
<tr>
<td>F1229</td>
<td>3 jaw narrow coupler --- 1/8” NPT (F)</td>
</tr>
<tr>
<td>F1260</td>
<td>12” length --- 1/8” NPT (M) both ends; wire braid hose, 3000 psi working, 12,000 psi burst pressure</td>
</tr>
<tr>
<td>F1262</td>
<td>18” length --- 1/8” NPT (M) both ends; wire braid hose, 3000 psi working, 12,000 psi burst pressure</td>
</tr>
</tbody>
</table>
# Grease Fittings

## 1/8"-28 Taper

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Alemite #</th>
<th>Lincoln #</th>
<th>Arc #</th>
</tr>
</thead>
<tbody>
<tr>
<td>F651</td>
<td>1/8&quot;-28 Taper thread, short, straight</td>
<td>1641-B</td>
<td>5010</td>
<td>6009</td>
</tr>
<tr>
<td>F652</td>
<td>1/8&quot;-28 Taper thread, med., straight</td>
<td>1652-B</td>
<td>5517</td>
<td>6010</td>
</tr>
<tr>
<td>F653</td>
<td>1/8&quot;-28 Taper thread, long, straight</td>
<td>1898-B</td>
<td>5013</td>
<td>6097</td>
</tr>
<tr>
<td>F656</td>
<td>1/8&quot;-28 Taper thread, 90° angle</td>
<td>1911-B</td>
<td>5410</td>
<td>6013</td>
</tr>
<tr>
<td>F657</td>
<td>1/8&quot;-28 Taper thread, 45° angle</td>
<td>1637-B</td>
<td>5210</td>
<td>6011</td>
</tr>
</tbody>
</table>

## Drive Type

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Alemite #</th>
<th>Lincoln #</th>
<th>Arc #</th>
</tr>
</thead>
<tbody>
<tr>
<td>F662</td>
<td>¼&quot; Drive type, straight</td>
<td>1743-B</td>
<td>5029</td>
<td>6056</td>
</tr>
<tr>
<td>F666</td>
<td>½&quot; Drive type, straight</td>
<td>1728-B</td>
<td>5033</td>
<td>6069</td>
</tr>
<tr>
<td>F668</td>
<td>¾&quot; Drive type, straight</td>
<td>1606-B</td>
<td>5031</td>
<td>6060</td>
</tr>
</tbody>
</table>

## ¼" Pipe

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Alemite #</th>
<th>Lincoln #</th>
<th>Arc #</th>
</tr>
</thead>
<tbody>
<tr>
<td>F671</td>
<td>¼&quot; Pipe thread, 30° angle</td>
<td>1611-B</td>
<td>5100</td>
<td>6004</td>
</tr>
<tr>
<td>F672</td>
<td>¼&quot; Pipe thread, 65° angle, short</td>
<td>1612-B</td>
<td>5300</td>
<td>6006</td>
</tr>
<tr>
<td>F673</td>
<td>¼&quot; Pipe thread, 90° angle</td>
<td>1613-B</td>
<td>5400</td>
<td>6007</td>
</tr>
<tr>
<td>F674</td>
<td>¼&quot; Pipe thread, short, straight</td>
<td>1610-B</td>
<td>5000</td>
<td>6000</td>
</tr>
<tr>
<td>F675</td>
<td>¼&quot; Pipe thread, 65° angle, long</td>
<td>1623-B</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>F678</td>
<td>¼&quot; Pipe thread, 45° angle</td>
<td>1686-B</td>
<td>5200</td>
<td>6005</td>
</tr>
<tr>
<td>F679</td>
<td>¼&quot; Pipe thread, long, straight</td>
<td>1669-B</td>
<td>5003</td>
<td>6002</td>
</tr>
</tbody>
</table>

## ½" Pipe

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Alemite #</th>
<th>Lincoln #</th>
<th>Arc #</th>
</tr>
</thead>
<tbody>
<tr>
<td>F687</td>
<td>½&quot; Pipe thread, straight</td>
<td>1627-B</td>
<td>5050</td>
<td>6026</td>
</tr>
<tr>
<td>F689</td>
<td>½&quot; Pipe thread, 65° angle</td>
<td>1629-B</td>
<td>5350</td>
<td>6028</td>
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</tbody>
</table>

## Metric

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Alemite #</th>
<th>Lincoln #</th>
<th>Arc #</th>
</tr>
</thead>
<tbody>
<tr>
<td>F691</td>
<td>6mm x 1.0, straight</td>
<td>2106</td>
<td>5175</td>
<td>-</td>
</tr>
<tr>
<td>F692</td>
<td>8mm x 1.0, straight</td>
<td>2103</td>
<td>5178</td>
<td>-</td>
</tr>
<tr>
<td>F694</td>
<td>6mm x 1.0, 45° angle</td>
<td>2107</td>
<td>5176</td>
<td>-</td>
</tr>
<tr>
<td>F695</td>
<td>8mm x 1.0, 45° angle</td>
<td>2197</td>
<td>5179</td>
<td>-</td>
</tr>
<tr>
<td>F697</td>
<td>6mm x 1.0, 90° angle</td>
<td>2108</td>
<td>5177</td>
<td>-</td>
</tr>
<tr>
<td>F698</td>
<td>8mm x 1.0, 90°</td>
<td>2105</td>
<td>5180</td>
<td>-</td>
</tr>
</tbody>
</table>
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