Description

To properly fill bladder tanks it is necessary to have an air source to float the bladder and a device to pump the foam concentrate into the tank. National Foam has assembled a complete kit of items necessary to properly fill the bladder tank where shop air is available. This kit consists of a low pressure foam pump, pick-up tube with suction hose, pump discharge hose, fill manifold with pressure gauge and necessary fittings to connect to the tank, and water drain/ fill and vent hose.

Features

• Complete package of equipment necessary to fill bladder tank in locations where shop air is available.

Applications

• Specifically designed for filling bladders.

Specifications

The Bladder Tank Fill Kit without Compressor is a complete connection and fill package for use in areas where air pressure is available. The kit shall include the necessary pump, hoses and fittings to properly fill a bladder tank from pails, drums or totes.

The kit shall consist of the following components:

• Foam Concentrate Fill Pump with a capacity for 20 GPM at 17 PSI.
• 1" x 41" long PVC Pick-Up Tube with 72" long x 1" clear PVC suction hose with brass fittings. Hose is reinforced with helically-wound spring steel wire.
• 1" Clear PVC, reinforced with helically-wound spring steel wire discharge hose with brass fittings, 180" long.
• 1" Fill Manifold with 0-60 PSI pressure gauge, 1" brass foam shut-off valve and 1/4" brass air shutoff valve.
• (2) Lengths of 3/4" x 25 Ft. water drain/fill/vent rubber hose with 3/4" NH x 3/4" NPT brass adapters.

The necessary fittings are provided to allow connection of the Fill Manifold to the bladder tank foam concentrate drain/ fill valve and for connection of the foam concentrate supply line and the air pressure supply line to the Fill Manifold.

Technical Information

Pump:

Type: Self Priming, Positive Displacement
Capacity: 20 GPM @ 17 PSI
Ports: 1" FNPT
Materials:
Body: Bronze
Impeller: Nitrile
Shaft: Steel with special 316 SS sleeve
Seals: Mechanical lip seal
Motor: 3/4 HP, 1/60/120VAC ODP with 8 Ft. Cord & Plug

Pick-up Tube:

Material: PVC

Suction Hose:

Type: Heavy wall vacuum and transfer hose
Size: 1" X 72" long
Connections: 1" MNPT X 1" JIC swivel
Temp Rating: -25°F (-4°C) to 150°F (65°C)
Pressure Rating: 100 PSI @ 70°F (20°C) 45 PSI @ 122°F (50°C)
Material: Clear PVC, reinforced with helically-wound spring steel wire
Fittings: Brass

Discharge Hose:

Type: Heavy wall vacuum and transfer hose
Size: 1" X 180" long
Connections: 1" MNPT X 1" JIC swivel
Temp Rating: -25°F (-4°C) to 150°F (65°C)
Pressure Rating: 100 PSI @ 70°F (20°C) 45 PSI @ 122°F (50°C)
Material: Clear PVC, reinforced with helically-wound spring steel wire
Fittings: Brass
BLADDER TANK FILL PUMP KIT
WITHOUT COMPRESSOR
NPR380

**Water Drain/Fill/Vent Hose:**
- Type: Rubber water hose
- Size: 3/4" X 25 Ft. long
- Connections: 3/4" NH crimped couplings with 3/4" NPT adapters
- Material: Flexible black EPDM rubber, reinforced with braided yarn, resistant to ozone and low temperatures
- Couplings: Aluminum and Brass
- Adapters: Brass

**Fill Manifold:**
- Pressure Rating:
  - Fittings: 200 PSI
  - Valves: 400 PSI WOG
- Material:
  - Fitting: Malleable iron
  - Valves: Brass
- Pressure Gauge:
  - Rating: 0-60 PSI
- Connection: 1/4" NPT

**Connecting Water Supply:**
- Air Supply Shutoff Valve
- 1" Clear PVC Hose with Adapter Fittings

**Self-Priming Pump:**
- 20 GPM @ 17 PSI
- 3/4 HP, 1 PH, 120 VAC, 60Hz
- Open Drip-Proof Motor with 8 Ft. Cord & Plug
- 1" PVC Pipe

**Hose Connections:**
- 3/4" NH crimped couplings with 3/4" NPT adapters

**Water Drain/Fill Valve:**
- 1" Clear PVC Hose
- Wire Reinforced Length: 72 (1829)
- Swivel Hose Ends Removable for Storage
- 1" PVC Pipe

**2 Piece Dip Tube:**
- 1" PVC Pipe

**Connecting Bladder Tank:**
- 1" PVC Pipe

**Ordering Information:**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>1221-0100-3</td>
<td>Complete Kit without Compressor</td>
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National Foam operates a continuous program of product development. The right is therefore reserved to modify any specification without prior notice and National Foam should be contacted to ensure that the current issues of all technical data sheets are used.

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