

# BLADDER TANK FILL PUMP KIT WITH COMPRESSOR

NPR370

- Compatible With All Foam Concentrates
- Compatible With All Bladder Tanks
- Convenient Kit To Make Filling Bladder Tanks Easy And efficient
- Flow Rate Designed To Minimize Frothing When Filling From Bottom Up



## 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. This kit consists of a low pressure foam pump, air compressor, 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 no shop air is available.

## Applications

Specifically designed for filling bladder tanks.

## Specifications

The Bladder Tank Fill Kit with Compressor is a complete connection and fill package for use in areas where air pressure is not available. The kit shall include the necessary pump, compressor, 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 @ 17 PSI
- Air Compressor rated at 0.35 CFM @ 20 PSI

- 1/4" Heavy Duty Air Supply Hose
- 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 seals
  - Motor: ..... 3/4 HP, 1/60/120VAC ODP with 8 ft. cord & plug

### Air Compressor:

- Type:..... Diaphragm type, oil-less permanently lubricated, maintenance free
- Capacity: ..... 0.35 CFM @ 20 PSI (max pressure, 35 PSI)
- Outlet: ..... 1/4" FNPT
- Materials:
  - Body: ..... Die cast aluminum
  - Reed Valves: ... Stainless steel
  - Bearings: ..... Ball
  - Motor: ..... 1/12 HP, 1/60/120VAC, thermally protected with automatic reset with 6 ft. cord & plug

### Pick-up Tube:

- Material: ..... PVC

### Suction & Discharge Hose:

- Type:..... Heavy wall vacuum and transfer hose
- Size - Suction: ..... 1" X 72" Long
- Size - Discharge: 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)
- Materials:
  - Hose: ..... Clear PVC, reinforced with helically-wound spring steel wire
  - Fittings: ..... Brass

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### 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

### Materials:

Hose:..... Flexible black EPDM rubber, reinforced with braided yarn, resistant to ozone and low temperatures

Couplings:..... Aluminum and Brass

Adapters:..... Brass

### Air Hose:

Type:..... Heavy duty air  
 Size:..... 1/4" X 25 Ft. long  
 Connections: ..... 1/4" NH crimped couplings with quick-connect couplings

Temp. Rating: ..... -20°F to 190°F

Pressure Rating: .. 250 PSI

### Material:

Hose:..... Nitrile oil resistant tube and cover (RMA Class A)

Fittings:..... Brass

Quick Connects:.. Brass

### Fill Manifold:

Pressure Rating:

Fittings:..... 200 PSI

Valves: ..... 400 PSI WOG

### Material:

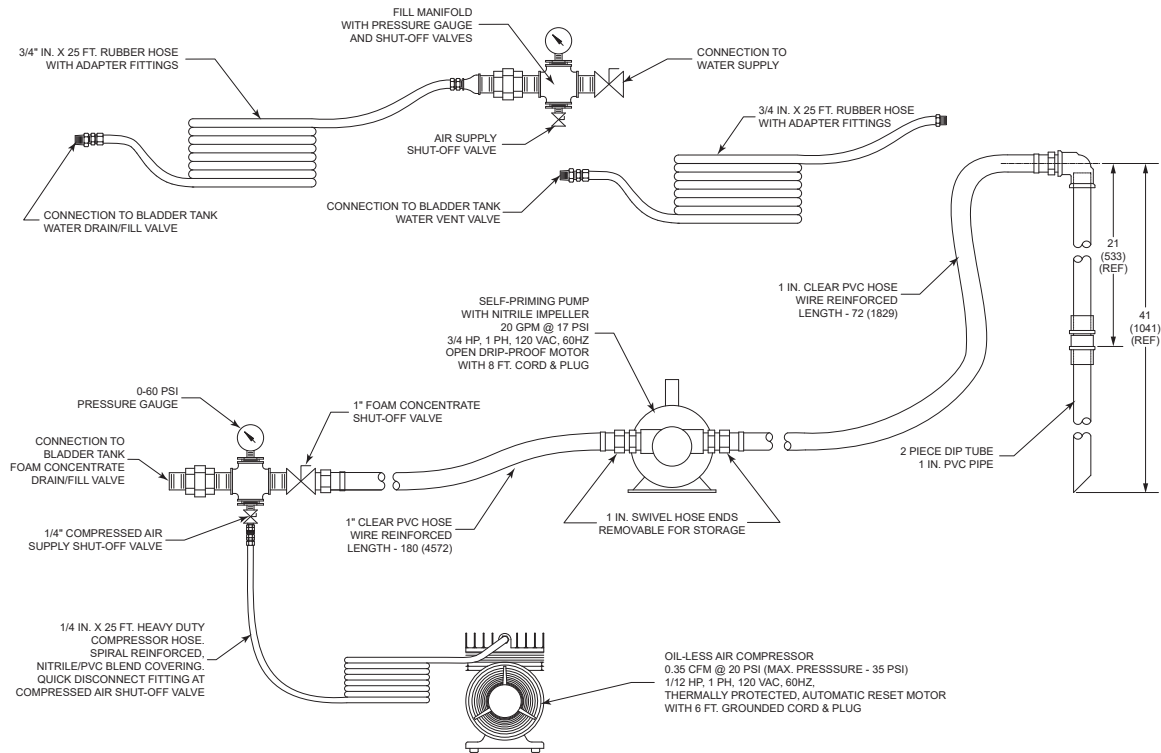
Fitting:..... Malleable Iron

Valves: ..... Brass

Pressure Gauge:

Rating:..... 0-60 PSI

Connection: ... 1/4" NPT



**Bladder Tank Electric Fill Pump Kit with Compressor**

### ORDERING INFORMATION

Part Number	Description
1221-0100-2	Complete Kit with Compressor