

Model 11400

16 Gallon • 120-150 lb. • 100:1 Ratio • 10,000 psi Rated

This DUALCO Air Operated Pump is needed for high-pressure applications. Benefits include operating ease and smooth efficiency. This pump is rugged, long lasting, and precision manufactured. The pump's strong spring and follower plate assembly assures positive priming of all types of light or heavy materials in hot or cold weather to NLGI-4. Model 11400 comes as pictured, complete with a 10 ft., 3/8" I.D. high-pressure supply swivel hose with giant button head coupler (10850) outlet, self priming follower plate and spring, 15,000 psi liquid-filled gauge, gauge cover, and gauge tee. An optional outlet connection (10733) Lube Adapter 1" – 14 UNS (female) is included.

Model 11400 is an air-operated volume pump, mounted on a 16 gallon, 120 lb. drum. This portable pump can be used indoors or outdoors. This pump comes completely assembled and is ready for use after installing on a drum of pumpable material.

This economical model features a 100:1 ratio pressure pump with sealed-in air motor. Maximum air inlet pressure of 150 psi may be used sparingly and with caution, but recommended inlet pressure of 100 to 105 psi gives an optimum operating range. Straight and "Z" swivels, a needle valve with an 18" discharge hose, check valve with pressure release, and a giant button head coupler (10850 – for the hose assembly outlet connection) is included.

Model 11400 accommodates a 16-gallon drum (120-150 lbs.). With an air inlet pressure of 150 psi, a delivery rate of approximately 15 oz./minute of NLGI-2 lubricant at 77° F (25° C) may be achieved, with a discharge pressure of 15,000 psi.



Applications

- Pumping material into valves and pumps when high pressure, volume & portability are required.
- Pipelines conveying chemicals, crude/refined oil, natural gas, lpg, hydrocarbons & other fuels.
- Pumping & compressor stations, refineries & chemical plants.
- Steel mills, lumber & paper mills, gas & oil drilling / production fields, asphalt, rubber, water & sewage treatment plants, heavy equipment, manufacturing, mining, marine, industrial and municipal utilities.
- Well testing • Heavy Equipment & Manufacturing

Features

- Safety devices include bleeder valve and secured lid.
- Superior pumping performance with lubricants, sealants, light packing, and cleaners.
- Easily refilled 16 gallon drum
- Greater pressures are achievable with less effort than manual operated bucket pumps.
- Heavy duty, metal construction
- Ideal for long production
- Portable, easily serviceable and parts are available.

■ Inquire regarding other available models including hose assembly and electronic flow meter options.


■ Optional pressure trolls or runaway valves are also available upon request.

■ For pumping stick material or heavy packing, contact Dualco for other equipment options.

Specifications

Air Inlet	1/4" NPSI (f)
Material Outlet	3/8" NPT (f)
Maximum Operating Pressure	15,000 psi (1,034 Bar)
Optimum Operating Pressure	10,500 psi (724 Bar)
Piston Diameter x Stroke	2.438 x 1.625" (6.2 x 4.1 cm)
Measurements (Unit Only)	40 x 15" (101.5 x 38 cm)
Approximate Net Weight (Empty)	60 pounds (27.5 Kg)

■ **Note:** For extended life of the air motor and down tube assembly, It is recommended an Air Filter/Lubricator with Regulator Set be used, when operating this pump.

 Operate with Caution and Safety.

Model 11945

55 Gallon • 420-440 lb • 75:1 Ratio • 7,500 psi Rated

This DUALCO Air Operated Pump is needed for high-volume applications. Benefits include operating ease and smooth efficiency. This pump is rugged, long lasting, and precision manufactured. The pump's follower plate assembly assures positive priming of all types of materials in hot or cold weather to NLGI-2. Model 11945 comes as pictured, complete with a 10 ft, 3/8" I.D. high-pressure supply swivel hose with giant button head coupler (10850) outlet, self priming follower plate, 15,000 psi liquid-filled gauge, gauge cover, and gauge tee. An optional outlet connection (10733) Lube Adapter 1" – 14 UNS (female) is included.

Model 11945 is an air-operated volume pump, mounted on a 55 gallon, 420-440 lb drum. This portable pump can be used indoors or outdoors. This pump comes completely assembled and is ready for use after installing on a drum of pumpable material.

This economical model features a 75:1 ratio pressure pump with sealed-in air motor. Maximum air inlet pressure of 140 psi may be used sparingly and with caution, but recommended inlet pressure of 100 to 105 psi gives an optimum operating range. Straight and "Z" swivels, a ball valve with an 18" discharge hose, check valve with pressure release, and a giant button head coupler (10850 – for the hose assembly outlet connection) is included.

Model 11945 accommodates a 55-gallon drum (420-440 lbs). With an air inlet pressure of 140 psi, a delivery rate of approximately 12 lb/minute of NLGI-2 lubricant at 77° F (25° C) may be achieved, with a discharge pressure of 10,500 psi.

Material delivery (discharge) rate may vary, depending on grease type, temperature, pressure, pumping distance, hose size and other conditions.



Applications

- Pumping material into valves and pumps when high volume & portability are required.
- Pipelines conveying chemicals, crude/refined oil, natural gas, lpg, hydrocarbons & other fuels.
- Pumping & compressor stations, refineries & chemical plants.
- Steel mills, lumber & paper mills, gas & oil drilling / production fields, asphalt, rubber, water & sewage treatment plants, heavy equipment, manufacturing, mining, marine, industrial and municipal utilities.
- Well testing • Heavy Equipment & Manufacturing

Features

- Safety devices include bleeder valve and secured lid.
- Superior pumping performance with lubricants, sealants, light packing, and cleaners.
- Easily refilled 55 gallon drum
- Greater pressures and volume pumping are achievable with less effort than manual operated bucket pumps.
- Heavy duty, metal construction
- Ideal for long production, where volume pumping is important.
- Portable, easily serviceable and parts are available.

■ Inquire regarding other available models including hose assembly and electronic flow meter options.


■ Optional pressure trolls' runaway valves or other hose lengths and bung adapter are also available upon request.

■ For pumping stick material or heavy packing, contact Dualco for other equipment options.

Specifications

Air Inlet	3/4" NPT (f)
Material Outlet	1/2" NPT (f)
Maximum Operating Pressure	10,500 psi (724 Bar)
Optimum Operating Pressure	7,500 psi (518 Bar)
Standard Air Motor Diameter	4.25" (108mm)
Measurements (Unit Only)	56" x 24" (142 x 61 cm)
Approximate Net Weight (Empty)	90 pounds (41.3 Kg)

■ **Note:** For extended life of the air motor and down tube assembly, It is recommended an Air Filter/Lubricator with Regulator Set (Tri-Pak) be used, when operating this pump.

 Operate with Caution and Safety.

Pressure Primer Lubrication Assemblies

Model 13108


Low Pressure / High Volume Lubricant output (most popular model)

Model 13118

High Pressure / Low Volume Lubricant output

Features

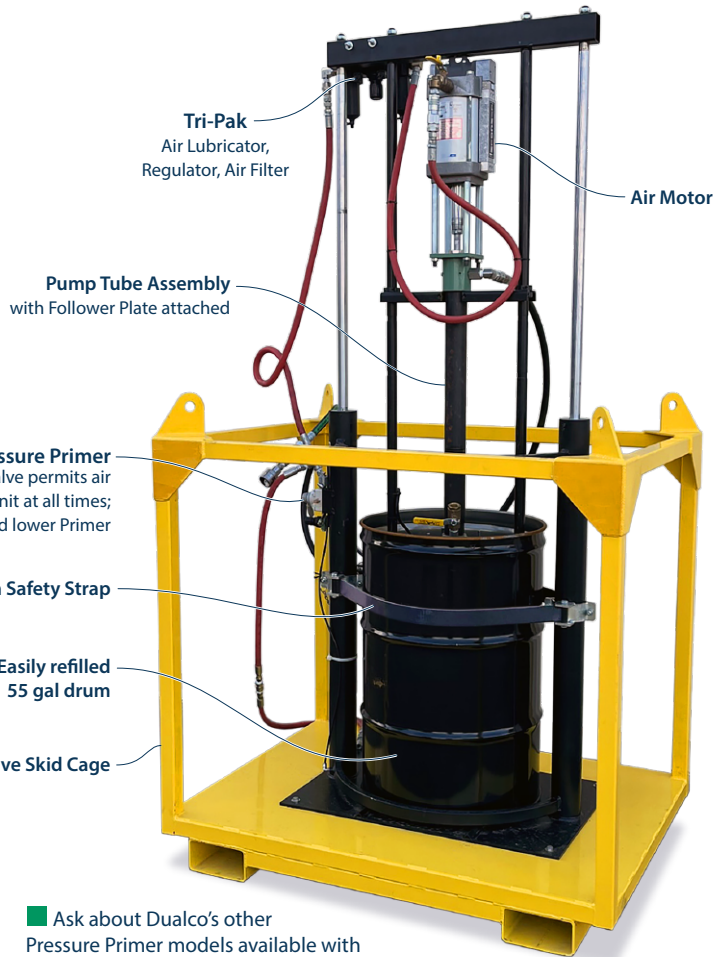
- Lube material is Force Primed. The downward force of the follower plate forces the primed material into the pump inlet. Positive priming of high viscosity materials is assured; and cavitation is eliminated.
- An Elastomer seal is incorporated into the Follower Plate. Wipers seal against the material container's (55-gallon) inside wall. This prevents drying and contamination of the material; and the container's inside. Rainwater is also prevented from contaminating the lubricant.
- Air valve control: A directional valve controls the up/down movement of the follower plate. Use of an air regulator, gauge, air filter and air lubricator is incorporated.
- Safety devices include bleeder valve and secured lid.
- Superior pumping performance with lubricants, sealants, light packing, and cleaners.
- Ideal for long production, where volume pumping is important.
- Portable, easily serviceable and parts are available.
- Heavy duty, metal construction

 Operate with Caution and Safety.

13108 Specifications

Air Inlet [Minimum I.D. of Supply Hose \geq 0.50" (12 mm)]	3/4" NPT (f)
Material Outlet	1/2" NPT (f)
Cylinder Diameter	6 in (152mm)
Effective Piston Area	28 in ² (182 cm ²)
Operating Air Input Pressure / Ratio	30 - 100psi (2-7 BAR) / 140:1
Maximum Lubricant Delivery Pressure	14,000 psi @ 100psi Air Input
Air Consumption @ 100psi (7 BAR) SCF/cycle [L(N)/cycle]	1.6 [46]
Operating Temperature Range	-30° to +200° F (-34° to +93° C)
Maximum Recommended Speed	75 CPM
Stroke Length	6 in {152 mm}
Seals Material	BUNA-N and PTFE
Dimensions	108" x 57" x 42" (Raised Height with Pressure Primer fully extended)
Maximum Net Weight	925 lb (420 kg)) (Without drum of material)

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Ask about Dualco's other Pressure Primer models available with caged or uncaged skids. • Instructions Available.

13118 Specifications

Air Inlet [Minimum I.D. of Supply Hose \geq 0.75" (20 mm)]	3/4" NPT (f)
Material Outlet	1/2" NPT (f)
Cylinder Diameter	8 in (203mm)
Effective Piston Area	50 in ² (324 cm ²)
Operating Air Input Pressure / Ratio	30 - 80psi (2-7 BAR) / 250:1
Maximum Lubricant Delivery Pressure	20,000 psi @ 80psi Air Input
Air Consumption @ 100psi (7 BAR) SCF/cycle [L(N)/cycle]	2.6 [75]
Operating Temperature Range	-30° to +200° F (-34° to +93° C)
Maximum Recommended Speed	75 CPM
Stroke Length	6 in {152 mm}
Seals Material	BUNA-N and PTFE
Dimensions	108" x 57" x 42" (Raised Height with Pressure Primer fully extended)
Maximum Net Weight	940 lb (426 kg) (Without drum of material)

