



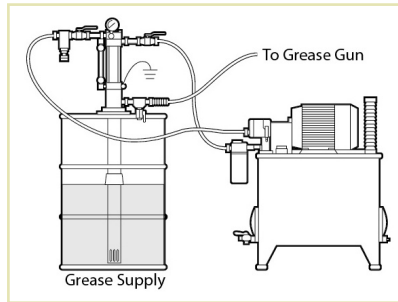
Dyna-Star Hydraulically-Driven Grease Pump

OVERVIEW

For Dispensing Grease

The Dyna-Star 5:1 is a hydraulically-powered, single piston lubricant pump, requiring no electrical power. It has a 5:1 ratio between the hydraulic and grease sections.

The pump is double-acting and will provide continuous delivery of non-pourable greases. Compact in size, the Dyna-Star 5:1 efficiently delivers these lubricants, even in cold weather and in remote dispense points.



FEATURES

Works off 95-5 emulsion or hydraulic oil

On longwalls, easily mounts on the stage loader for efficient greasing of the tailpiece, shearer and stage loader

In conventional mining sections, mounts on the feeder to easily access the feeder, tailpiece, shuttle cars and drives

Maximum output pressure of 7,500 psi ensures full greasing of the bearings

Able to mount to truck or scoop using PTO power supply

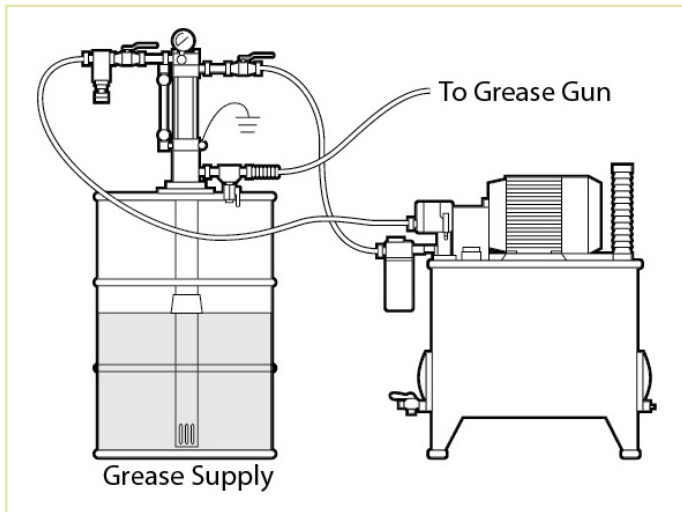
Highly energy efficient

Quiet operation

Very low maintenance

Attaches with 1/2" NPT female fitting

Dyna-Star Hydraulically-Driven Grease Pump



Maximum Output Pressure	7,500 psi (517 bar)
Maximum Hydraulic Fluid Input Pressure	1,500 psi (102 bar)
Maximum Hydraulic Fluid Input Volume	3 gpm (60 cpm)
Fluid Consumption Rate	6.5 oz. (0.195 liter) per cycle or 1 gal. per 19.5 cycles
Maximum Fluid Temperature	130°F (55°C)
Effective Piston Area	1.48 sq. in. (9.55 cm ²)
Piston Rod Diameter	1-3/8" (34.9 mm)
Stroke	4 in. (101.6 mm)
Thrust at 100 psi (70 bar)	1,480 lb. (673 kg)
Maximum Suction Lift	13 ft. (4 m)
Fluid Inlet	1/2" npt(f)
Fluid Outlet	1/2" npt(f)
Hydraulic Supply	3/8" npt(f)
Hydraulic Return	3/8" npt(f)
Displacement Pump Wetted Parts	Steel, Copper, Polyurethane, Buna-N, Polyester Elastomer
Dimensions	
Model 224-752	42.0 lb. (18.9 kg)
Model 224-751	37.5 lb. (16.9 kg)
Model 224-912	32.5 lb. (17.7 kg)

ADDITIONAL SYSTEM COMPONENTS

236-864 Hydraulic Fluid Control

Use with Dyna-Star pump to control hydraulic pressure and limit hydraulic flow in a single assembly. Includes hose and fittings.

204-574 Drum Cover for 120 lb. (54.4 kg)

200-326 Drum Cover for 400 lb. (181.4 kg)

Use with open head grease drums.

223-700 Follower Plate for 120 lb. (54.4 kg)

223-700 Follower Plate for 400 lb. (181.4 kg)

Use with Dyna-Star 5:1 hydraulic grease pump.



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