



## DYNA-STAR & POWER-STAR HYDRAULIC POWERED PUMPS AND PACKAGES

Item code: GRACO-HYDRAULIC

Typical fluids handled are Petroleum- and synthetic-based oils, and Grease up to NLGI #2.

Typical applications are for Low pressure, high volume oil transfer, High pressure, high volume grease dispense, Heavy-duty dealerships, Fleet service facilities, Service shops, In-plant, Lube trucks and Mining.

### FEATURES:

- Ties into existing hydraulic systems on mobile equipment.
- Operates quieter than air driven pumps and doesn't require mufflers.
- Eliminates the need for air compressors.
- Provides self-lubrication for long life and reliability.
- Hydraulic changeover is faster with less pulsation allowing smoother output pressure, even with long plumbing runs.

### HYDRAULIC FLUID CONTROLS (Required for each Pump):

236864	Dyna-Star Fluid Controls [1500 psi (102 bar); 3 gpm (11.4 lpm)]. Includes manifold with pressure-reducing valve, flow control valve, pressure gauge, shut-off ball valves and 3 ft (0.9 m) supply and return hoses. Instruction manual 308395.
236865	Power-Star and Viscount II Fluid Controls [1500 psi (102 bar); 12 gpm (45.4 lpm)]. Includes manifold with pressure-reducing valve, flow control valve, pressure gauge, shut-off ball valves and 3 ft (0.9 m) supply and return hoses. Instruction manual 308395.
237904	1:1 Dyna-Star Thermal Relief Valve, 1600 psi (110 bar)
235998	Mini Fire-Ball 225, 3:1 thermal relief valve rated to 600 psi (41 bar)



## ORDERING INFORMATION FOR GREASE PACKAGES:

Grease Applications	Dyna-Star, 5:1	Dyna-Star, 10:1	Viscount II, 2.4:1
Part No. – Drum Size	224912 – 35 lb (16 kg) 224751 – 120 lb (55 kg) 224752 – 400 lb (180 kg)	247540 – 60 lb (27 kg) 247443 – 120 lb (55 kg) 247450 – 400 lb (180 kg)	222902 – 400 lb (180 kg)
Max. Input Pressure	1500 psi (102 bar)	600 psi (41 bar)	1500 psi (102 bar)
Max. Hydraulic Fluid Input Vol.	3 gpm (11.4 lpm)	3 gpm (11.4 lpm)	12 gpm (45.4 lpm)
Max Grease Flow Output Rate	4 lb/min (1.8 kg)	1.1 lb/min (0.5 kg)	54 lb/min (20.4 kg)
Maximum CPM	60	60	60
Max. Fluid Output Pressure	7,500 psi (517 bar)	7,500 psi (517 bar)	2,300 psi (159 bar)
Hydraulic Supply Inlet	3/8 npt	3/4-16 in. JIC (37° Flare)	3/4 npt
Hydraulic Return Outlet	3/4 npt	3/4 npt	1 npt
Fluid Outlet	1/2 npt	1/2 npt	1-1/2 npt
Maximum Incoming Hydraulic Fluid Temp	130° F (54° C)	200° F (93° C)	130° F (54° C)
Instruction Manua	308156	312350	308149

## ACCESSORIES:

Code	Description
<b>Follower Plates</b>	
224916	Follower plate for 35 lb (16 kg)
223700	Follower plate for 120 lb (55 kg)
223701	Follower plate for 400 lb (180 kg)
<b>Covers</b>	
224915	Cover for 35 lb (16 kg)
204574	Cover for 120 lb (55 kg)
200326	Cover for 400 lb (180 kg)
<b>Tie-Down Covers</b>	
222060*	Tie-Down Cover for 120 lb (55 kg)
207366**	Tie-Down Cover for 400 lb (180 kg)

222902

247540



\*Use with hold-down kit 222061 \*\*Use with hold-down kit 207361