

Dyna-Star® HP and HF 24 VDC Pumps and Accessories

Ordering Information



Stand Alone Pumps

77X000	24 VDC HP Stand Alone Pump for 35 or 60 pound reservoir
77X001	24 VDC HP Stand Alone Pump Stand Alone Pump with Tube-in-Tube for 35 or 60 pound reservoir
77X002	24 VDC HP Stand Alone Pump Stand Alone Pump with Tube-in-Tube for 90 or 120 pound reservoir
77X003	24 VDC HP Stand Alone Pump Stand Alone Pump with Tube-in-Tube for 400 pound reservoir
77X014	24 VDC HF Stand Alone Pump for 35 or 60 pound reservoir
77X015	24 VDC HF Stand Alone Pump for 120 pound reservoir
77X016	24 VDC HF Stand Alone Pump for 400 pound reservoir

Custom Tank Injector Kits

77X011	24 VDC HP Pump and Vent Valve with Tube-in-Tube for 35 or 60 pound reservoir
77X012	24 VDC HP Pump and Vent Valve with Tube-in-Tube for 90 or 120 pound reservoir
77X013	24 VDC HP Pump and Vent Valve with Tube-in-Tube for 400 pound reservoir

Injector Pump Modules

77X100	24 VDC HP Injector Module with Pump, Tube-in-Tube, Vent Valve, Cover, Tank and Dip Stick for 60 pound reservoir
77X101	24 VDC HP Injector Module with Pump, Tube-in-Tube, Vent Valve, Cover, Tank and Dip Stick for 90 pound reservoir

Standard Drum Injector Kits

77X111	24 VDC HP Pump, Vent Valve and Cover with Tube-in-Tube for 120 pound reservoir
77X112	24 VDC HP Pump, Vent Valve and Cover with Tube-in-Tube for 400 pound reservoir

Standard Drum Kits

77X121	24 VDC HF Pump and Cover for 120 pound reservoir
77X122	24 VDC HF Pump and Cover for 400 pound reservoir

Accessories

77X500	Follower Plate for Graco 60 pound and 90 pound Graco Tank for Tube-in-Tube
77X501	Follower Plate for 35 pound Bucket without Tube-in-Tube
77X510	Follower Plate for 35 pound Bucket with Tube-in-Tube
247701	Follower Plate for 120 pound Drum without Tube-in-Tube
77X511	Follower Plate for 120 pound Drum with Tube-in-Tube
247702	Follower Plate for 400 pound Drum without Tube-in-Tube
77X512	Follower Plate for 400 pound Drum with for Tube-in-Tube
77X513	Cover, Cylinder, Tie-Rods and Base to Convert 60 pound Length to 35 pound Bucket
77X514	Cover for 120 pound Drum
77X515	Cover for 400 pound Drum
77X540	24 VDC Electric Vent Valve with Pressure Relief
77X522	Low Level Kit Sight Glass, Electric Low Level Switch and Cable (requires Follower Plate 77X500)
16V941	Power Cable for Series Progressive System (use with 16V942)
16W144	Power Cable for Injector System (use with 16V942)
16V942	Extension Power Cable for Both 16V941 and 16W144 - 15 feet (4.6 meters)



77X001



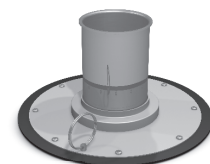
77X100



77X514



77X515



77X500



77X513

North America Customer Service **800-533-9655** Fax **800-533-9656**



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Tech Sheet



Features and Benefits

Safely Move Pump

Built-in lift ring is rated to 500 lbs (226 kg)

Graco Advantage Drive™

High quality helical hardened steel gears are lubricated for life and sealed to keep contaminants out for longer lasting performance. Field-proven for ten years to be the longest lasting drive in the industry.

Direct Mount Electric Vent Valve

Mounts directly to pump with no special brackets or hoses for a compact design and less parts to break or wear out. Deutsch connector is IP69K rated to keep out moisture. Built-in pressure relief for safety and compact, efficient installations.

Adjustable Motor Control

Ability to adjust motor controls like power input, motor speed, current control and signal input to perfectly match the pump to your application and environmental changes.

Cavitation-free Fill and Vent Path

Provides simple and direct venting and filling to the foot of the pump. No cavitation due to improper filling and venting with no external vent hoses or extra internal pipes. Convert a standard drum to an injector pump station in minutes.

Strong 12 Gauge Steel Reservoir

Available in 60 lb (27 kg) or 90 lb (41 kg) reservoirs with alternate fill and vent ports that deliver lube straight to the bottom of the pump. Common bolt pattern for easy drop-in replacement without drilling or adapter plates.

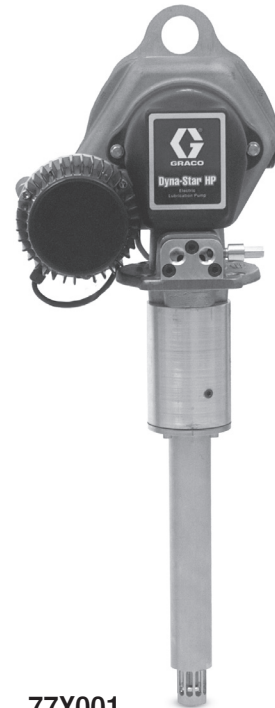
Typical Applications

• Mining Operations • Milling and Crushing • Heavy-duty Construction • Well Services • Industrial

Technical Specifications

Maximum Lubricant Outlet Pressure	
HF Models	3500 psi (24.1 MPa, 241 bar)
HP Models	5000 psi (34.47 MPa, 344 bar)
Electrical Requirements	
All Models	24 VDC
Input Voltage Range	
24 VDC	18 to 32 VDC
Flow Rate Range	
HF Models	1.5 in ³ - 25 in ³ /minute (24.6 cm ³ - 410 cm ³ /minute)
HP Models	1.5 in ³ - 18 in ³ /minute (24.6 cm ³ - 295 cm ³ /minute)
Inlet/Outlet Sizes	
Tank/Reservoir Fill Port	1/2 in npt
Overflow Port	1/2 in npt
Fluid Outlet Size	3/8 in npt
Operating Temperature	
HF Models	14° to 149° F (-10° to 65° C)
HP Models	-40° to 149° F (-40° to 65° C)
Audible Sound Pressure	
71 dB(A)	

Product Manuals: Pumps 332514, Pump Systems 332540, Auto Fill Shut Off 332518, Low Level 332515, Electric Vent Valve 332519, Drum Covers and Follower Plates 312738



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