**Motor Oil Dispensing System**

The following equipment is used regardless of which motor oil storage container is used.

A. 1000 Gallon storage tank  
   or  
   B. 500 Gallon storage tank

**Installation**

The pump accepts a 3/8” air line and will push product to multiple points up to 200’ to the hose reel locations.

This pump requires a 3/8” air line which must be supplied by an air compressor.

**Specifications**

Manufacturer: Graco Lubrication systems

- 225-852 Graco Motor Oil Pump
- 109-075 Graco Air Regulator
- 222-308 Graco Bung Adapter
- 223-179 Graco Fluid Filter Kit

Suction Tube – by Contractor
Oil Pumps
Air-Operated Piston Pumps

Fire-Ball 5:1
203876 shown

Max. fluid pressure .............................................. 900 psi (62 bar)
Air motor effective diameter ................................. 3 in. (76.2 mm)
Operating range ................................................. 40-180 psi (2.8-12.5 bar)
Continuous duty flow rate ................................. 3 gpm (11 lpm)
Approx. air consumption @100 psi (7 bar) .................. 18 cfm
Air inlet ......................................................... 3/8 npt(f)
Material outlet ................................................ 1/2 npt(f)
Material inlet ............................................... 1-1/2 npt(f)
Wetted parts ................................................. CS, Polyurethane, Buna
Service manual .............................................. 306518

Typical Application
• Fluid oil transfer to multiple metered dispense points

Features and Benefits
• Non-corrosive design (metal parts made of SST, aluminum and chrome) for long life
• No metal-to-metal contact means longer pump life and ensures pump will withstand harsh environments
• Double-acting pump provides reliable fluid flow
• Few moving parts translates into low maintenance and low cost of ownership
• Open exhaust port provides continuous operation without icing

Typical Fluids Handled
• Motor oil
• Synthetic oil
• Hydraulic oil
• Gear oil
• Automatic Transmission Fluid
Motor Oil Storage Containers

AutoNation uses more than one size motor oil storage containers for new oil and for waste oil.

Architects and engineers must verify with AutoNation which container size will be used in each specific job.

Specifications

Manufacturer: Highland Tank (www.highlandtank.com)

LT1000 — 1000 Gallon double wall tank
LT500 — 500 Gallon double wall tank

Accessories

Epoxy finish
Level Gauge
Fill Cap
Mushroom vents
Miscellaneous plugs

For shop drawings please visit our website: http://www.highlandtank.com
Automatic Transmission Dispensing System

The following equipment is used regardless of which ATF storage container is used.

A. 500 Gallon storage tank  
   or  
B. 280 Gallon storage tank

Installation

The pump accepts a 3/8” air line and will push product to multiple points up to 200’ to the hose reel locations.

This pump requires a 3/8” air line which must be supplied by an air compressor.

Specifications

Manufacturer: Graco Lubrication Systems

228-852 Graco ATF Pump  
109-075 Graco Air Regulator  
Suction Tube — by contractor  
222-308 Graco Bung Adapter  
223-179 Graco Fluid Filter Kit
**Automatic Transmission Storage Containers**

AutoNation uses more than one size ATF storage containers.

Architects and engineers must verify with AutoNation which container size will be used in each specific job.

**Specifications**

Manufacturer: Highland Tank  
LT500 — 500 Gallon double wall tank  
LT — 280 Gallon double wall tank

**Accessories**

- Epoxy Finish  
- Level Gauge  
- Fill Cap  
- Mushroom Vents  
- Miscellaneous Plugs

For shop drawings please visit our website: http://www.highlandtank.com
WASTE MOTOR OIL RECOVERY SYSTEMS

Groundable and bondable system. Uses Graco 236-265 diaphragm pump listed by U.L.

Equipment List

1000 Gallon storage tank
(or specified size)

Specifications

Manufacturer – Graco

222-090 Graco Waste Oil System
238-866 Graco Waste Oil Receiver

Installation and Operation

System provides a quick and simple method of evacuation of used oil from portable roll-around style receivers.

Included is pump-receiver air valving and suction hose.

Waste Oil Cut-Off System

Typical Set-Up

1 High tank monitor at waste oil tank
1 Power supply near waste oil tank
1 Solenoid valve at each waste-oil pump location

Specifications

Manufacturer: BJ Enterprises
Model numbers:

TM1HT — High tank monitor
TM1PS — Power supply converts TM1 from battery power to battery stand-by
TM1SV — Electric Solenoid valve – requires 110 V outlet
Used-Oil Handling Packages
Evacuation Systems

Package #222090 includes:
1040 (1 in.) diaphragm pump .................................................. 236265
Wall bracket ........................................................................ 189233
Air installation kits ............................................................... 240684
Fluid installation kits ............................................................. 240685
Drum style adapter kits ......................................................... 240832

Wall-mounted Package #224873 includes:
716 (3/4 in.) diaphragm pump .................................................. 241906
Wall bracket ........................................................................ 224835
Air installation kits ............................................................... 240684
Fluid installation kits ............................................................. 240685
Drum style adapter kits ......................................................... 240832

(Used-oil receivers are not included and must be ordered separately).

System evacuates lube from differential case using suction generated by a diaphragm pump. Nylon tubes ranging in size from 3/16 in. OD to 1/2 in. OD are included to fit through sight plug to completely drain the case. Evacuated gear lube is then pumped to waste tank. Piping and waste tank not included.
Systems are fully-groundable and bondable for safe transfer of used oil.

System No. ........................................................................... 224955
Includes: 716 diaphragm pump #241906, air control kit #110149,
mounting kit #224759, swivel union #157785, hose coupler #111474,
suction hose/wand* #221146 and control valve* #220969.

System No. ........................................................................... 222148
Includes: UL-listed 1040 diaphragm pump #236265, air control kit #221147,
hose and fitting kit #221149, evacuation control valve #220969,
suction hose/wand* #221146 and wall bracket #189233.

*Order additional suction hose/wand #221146 and additional control valve #220969 for each additional suction point.

Notes: Order grounding clamp #222011 or use locally-supplied grounding wires and clamps in accordance with applicable codes.

Allows fast, clean withdrawal of gear lube, ATF, anti-freeze, and related fluids.
Port-Evac System No. ......................................................... 223695
Includes: 716 diaphragm pump #241906, mounting kit with
10 ft. (3 m) suction hose #223697 which attaches to wands of four different diameters (suction wand kit #223696): 1/2 in. (12.7 mm);
3/8 in. (9.5 mm); 1/4 in. (6.4 mm), and 3/16 in. (4.7 mm).
Instruction manual 308035. 223695
Package
224873 shown
Used-Oil Handling Packages

Oil Drains & Accessories

**Oil Ace**
24 gal. (90 l) Steel-tank Pressurized Oil Drain ........................................ 115599
Use standard shop air chuck to empty the tank. Designed with tank fluid level
gauge, evacuation hose plug to prevent dripping, and large bowl
with 31 in. (78.7 cm) total reach for greater convenience and ease-of-use.

**Oil King**
25 gal. (95 l) Used-Oil Reciever ............................................................... 238866
Polyethylene tank with used-filter tray, tool holders and sight gauge. Includes all
hardware for topside evacuation or bottom drain.

**Oil King Funnel Kit** .................................................................................. 243650

**16 gal. (60 l) Used-Oil Receiver with drum** .............................................. 239301
Use with evacuation kit #240832.

**16 gal. (60 l) Used-Oil Receiver without drum** ........................................ 239302

**Pedestal Receiver** .................................................................................. 225272
Telescoping funnel includes splash cover and adjusts/locks from
47 to 68 in. (119 to 172 cm) high. Funnel has internal automatic check-valve
to hold used oil until it is drained. Sturdy base provides carry-around portability.
The TM1 HLT tank monitor is designed and engineered for use on most single or double walled aboveground storage tanks. The TM1 is primarily used by the automotive and industrial markets to help prevent costly and unnecessary tank overflows or bulk product shortages of such fluids as oils, waste oils, antifreeze, water and most non-combustible liquids. The TM1 is also ideal for monitoring interstitial space as well. The TM1 will sound its 107-decibel siren for up to an hour on a fresh 9-volt battery. Optional TM1 accessories may be added to eliminate the use of the 9-volt battery, shut off the air supply to a pneumatic pump, or provide visual notification of an alarm condition. The TM1 tank monitor and its optional accessories can be mixed or matched to customize most any job.

- Avoid costly overflows or untimely inventory shortages
- Dry contact terminals rated 3 amps at 30VDC
- Common 9-volt battery operated or upgradeable to power supply
- Simple Installation
- DC-out on alarm terminals to power optional accessories.
**Power Supply**

Provides continuous power to BJ tank monitors. 1000 milliamp 12VDC transformer comes with permanent mounting screw. Junction box has terminals for accessory connections. Green LED verifies AC power. Red LED flashes when monitor is in alarm. This two-piece power supply eliminates the tank monitor’s need for a 9-volt battery and is required to power the TM1sv, siren and strobe light.

Compatible with TM1 and TM4.

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**Strobe Light**

The low voltage strobe light is ideal when a visual alarm is needed at a remote location. It can be installed up to 500 Ft. away from the tank monitor using 18-gauge wire.

Compatible with the TM1, TM4 and TSP tank monitors.

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**Slave Sensor**

The slave sensor is designed to be used in conjunction with the automatic dialer or wireless receiver. It can also be used with most BJ monitors for monitoring interstitial space. A supplied 1/2” x 6” IPT nipple can be easily replaced for sensor adjustments from 2” up to 10” for high or low level monitoring. Standard 2” tank bung required.

Compatible with Sestry, TM4, Telephone Tank Alarm, Wireless Tank Monitor, TM1 and TSP.

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**Solenoid Valve**

Shuts off air to a pneumatic pump when tank monitor is in alarm. Can be used up to 500 Ft. away from tank monitor using 18-gauge wire. Wall mounting ears molded directly on housing. Operates on 110VAC power and up to 175 PSI 1/2” IPT ports.

Compatible with the TM1, TM4, and TSP tank monitors.

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**Power Converter**

Heavy-duty 25 amp normally open or normally closed dry contacts will turn on or off electrical pumps, lights, etc., when tank monitor goes into alarm. Can be wired up to 500 Ft. away from tank monitor using 18-gauge wire.

Compatible with TM1, TM4 and TSP tank monitors.

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**107-Decibel Siren**

The low voltage siren is ideal when an audible alarm is needed at a remote location. It can be installed up to 300 Ft. away from the tank monitor using 18-gauge wire.

Compatible with the TM1, TM4 and TSP tank monitors.