

ProVac

INDUSTRIAL PUMPOUT UNIT



Vacuum Technology

OPERATIONS MANUAL

Congratulations on the purchase of your new ProVac Industrial Pumpout Station. Your new ProVac has been manufactured with the best quality components to give you year after year of trouble free service. As you can easily see, it is built to withstand the most extreme conditions. Nevertheless, you will find that your ProVac will continue to give you “brand new” performance by following some simple maintenance procedures.

PRE-OPERATION SETUP

Your ProVac has been completely tested at the factory before you have taken delivery of it. All systems have been checked and rechecked to make sure that everything is working properly and is set up to work right out of the crate. However, due to federal regulations, it is not possible to ship the unit to you with oil in the vacuum pump reservoir. **It is, therefore, imperative for you to add oil to the oil reservoir before starting the unit. Failure to do this can damage the vacuum pump and void the vacuum pump warranty.** To make sure the oiling system is set up properly, follow the instructions below:

First, fill the oil reservoir (**Pg. 11, #2**) 1.0” from the top. Oil reservoir is located next to the Conde vacuum pump (see picture page # 11). Use a synthetic blend (S.A.E.) 10W-30 motor

oil. Synthetic oil will keep the inside of the pump cleaner than standard motor oil, and we recommend it. **Always maintain oil level so it is visible in the sight tube.**

The ProVac system utilizes a trouble free, no-adjustment-required Conde wick oiling system. After the oil reservoir is filled no adjustment is required..

Remember, it is important that the Conde vacuum pump always receives a supply of oil when it is in operation. Therefore, check the oil reservoir periodically to insure that the pump will be getting oil while it is running. Oil level can be seen in oil reservoir sight tube.

WARNING: The ProVac should not be used for pumping flammable liquids or gasses.

OPERATION

The ProVac is simple to operate. The complete unit comes with a 60 gallon tank on a frame with wheels, a Conde vacuum/pressure pump, motor reversing control, electronic float shut-off, brake assembly, retractable cord reel, tool holder, hose and wand. Please see the enclosed complete parts list (**Pages 9-17**) to identify all items on your ProVac.

After filling the oil reservoir as previously discussed, to operate the ProVac, plug it into any 115 volt, 15 amp or higher wall circuit. Before plugging in the ProVac, make sure that the switch on control box (**Pg. 10, #11**) is in the “off” position. Also, make sure that all covers and fittings are tightly secured. **If the ProVac is turned on in the pressure mode, loose or insecure fittings can blow off and serious injury can result.**

Now turn the 2” outlet ball valve (**Pg. 10, #9**) located on the bottom of the tank to the “off” position and turn the 2” inlet ball valve (**Pg. 10 #4**) located on the top front of the tank to the “off” position also. This will allow the tank to build up vacuum when the unit is turned on. It is also a good idea to close the 2” ball valve on the wand assembly at this time.

The Vacuum or Suction Mode

To begin pumping in the suction mode, turn the position switch on the control box (**Pg. 10, #11**) to the vacuum position which is marked as such on the control box. The pump will start and will immediately begin to build vacuum. This can be ascertained by looking at the gauge (**Pg.10, #6**) located on the front of the ProVac. The gauge is a combination vacuum/pressure gauge, so first make sure the gauge is reading in the vacuum mode. Vacuum is measured by inches of mercury (shown as “Hg”) on the gauge. The ProVac is equipped with a vacuum relief valve (**Pg. 11, #25**) that will allow the unit to build up to 16” Hg, which is enough vacuum to do virtually any job. After the ProVac has built up 16” Hg, the vacuum relief valve will begin to crack and pull atmospheric air into the tank. It will sound as if the unit is leaking, but this is perfectly normal. To begin pumping, open the 2” inlet ball valve (**Pg. 10, #4**). Next place the wand into the liquid to be pumped and open the wand assembly 2” ball valve. Pumping will be instantaneous and at a rate of about 120 gallons per minute which means, of course, that it will take only about 30 seconds to fill the ProVac.

The ProVac is equipped with an electronic float shut-off that will shut the ProVac unit off when it is full. It is not possible to overfill the ProVac because the float shut-off will cut the power off to the pump module when the tank is full, preventing any moisture or foreign substance from being sucked inside the pump. If, while pumping, the unit suddenly shuts off, it is full.

In some cases, it will not be possible to use the wand assembly because it will be too long to fit into the area to be pumped. In these cases, pumping vacuum can be achieved in the tank by turning off the 2" inlet ball valve (**Pg. 10, #4**) located on the top front of the tank. Then, simply put the 2" hose, less the wand assembly, into the liquid to be pumped and open the 2" inlet ball valve (**Pg. 10, #4**) at top of the tank. When pumping is complete, turn the 2" inlet ball valve at the tank to the "off" position, and turn the controller off.

Sometimes, to be able to pump only small amounts of liquid that remain on the bottom of a tank, it is necessary to increase the velocity of air flow. In these circumstances, the unit is pumping both air and liquid. In most instances, it is important to keep the wand submerged in the liquid at all times to maintain tank vacuum at 16" Hg for maximum speed pumping. However, for small amounts of liquid, air velocity can be increased by closing the wand assembly ball valve to about half way to three quarters. This will increase air flow so that air and water can be pumped at the same time.

Pressure or Off-Load Mode

The ProVac is equipped with pressure off-loading capacity. For safety considerations, the ProVac pressure relief valve is factory set to off-load at a maximum of 5 psi. This will offload waste approximately 10 feet high. Higher off load capabilities are possible by adjusting the pressure relief valve (**Pg. 10, #15**). **The pressure relief valve should never be adjusted to over 10 psi.**

Before attempting to run the ProVac in the pressure or off-load mode, make sure all the fittings and valves are securely closed. Severe injury may result if fittings are not secure when the ProVac is in the pressure mode.

To off-load the ProVac, detach the 2" suction hose from the quick disconnect at the 2" inlet ball valve (**Pg. 10, #4**). First make sure that the 2" inlet ball valve is **closed** as is the 2" outlet ball valve (**Pg. 10, #9**). Reattach the 2" suction line to the discharge ball valve, attach or move the hose to the vessel to receive the contents of the ProVac, and open the discharge ball valve. Now, turn the position switch (**Pg. 10, #11**) on the control box to "pressure". It is possible to verify that the ProVac is in the pressure mode by observing the gauge (**Pg. 10, #6**) located on the front of the unit. The gauge should now show pressure rising in the tank and the needle should read pressure or "PSIG". The ProVac will build only enough pressure to completely off load the unit. If, on the other hand, the unit is turned on to the pressure mode first before opening the discharge ball valve, the unit will begin to build pressure until the pressure relief valve (**Pg. 10, #15**) on top of the tank opens and begins to relieve air to atmosphere.

The unit can also be off-loaded by attaching a suction line to the 2" outlet ball valve (**Pg. 10, #9**) from another vacuum pumping source, such as a vacuum truck.

Before pumping out the ProVac unit with another source, make sure that the 2" inlet ball valve (Pg. 10, #4**) is open to provide a vent for pumping.**

NOTE: WARNING

The Provac Industrial Pumpout Unit is driven by a 1-1/2 HP - 1 PH electric motor w/ 13.4 FLA @ 115 Volt, Controlled by a Control Board that receives power - supplied by a Cord Reel utilizing - 20 FT of 12 AWG cord.

If a extension cord is required to get to a electrical outlet - it is recommended nothing smaller than 10 AWG cord - not to exceed 30 FT.

When Starting the ProVac Unit in either the Vacuum or Pressure mode and the following is noticed:

1: Motor does not start .

2: Motor is slow start. (accelerate slowly)

3: Clicking / Chattering occurs when motor is trying to start.

Flip toggle switch (Pg.10/Item# 11)on control box to the off position immediately.

If any of the above is noticed - that is a indication that there is not enough voltage being supplied to power the electric motor.

i.e. not enough voltage at the electrical outlet (try another outlet)

If using a extension cord - Not the proper size/length

In General, satisfactory motor performance requires a voltage with in +/- 5% of its rated nominal value in a steady state of operation.

Starting current of a motor can be 5 to 7 times its full load value. If a voltage drop exceeds this: motor could over heat and eventually trip-out, control board or cord reel could possibly get permanently damaged.

If you have any questions: call our Customer Service / Technical Support.

Phone Number: 1-800-367-0972

Setting Relief Valves

**RVP10 Vacuum Relief Valve (Pg.11 / Item# 25)
@ 15" HG)**

(Factory set

To adjust the vacuum setting of the ProVac Unit.

- 1. Loosen hex jam nut on relief valve body.**
- 2. Turn knurled top: Clockwise to increase vacuum level.
Counter Clockwise to decrease vacuum level.**
- 3. IMPORTANT: When changing vacuum setting - monitor the motor amperage - the higher the vacuum setting the more power/amps the motor will require. Never exceed the FLA of motor (13.4 amps @ 115 V)**
- 4. When desired vacuum setting is reached - retighten jam nut to lock in place.**

RVP10P Pressure Relief Valve (Pg.10 / Item# 15) (Factory set @ 5 PSI)

To adjust Pressure setting of the ProVac Unit.

- 1. Loosen hex jam nut on the relief valve body.**
 - 2. Turn knurled top: Clockwise to increase pressure level.
Counter Clockwise to decrease pressure level.**
- PRESSURE SETTING NEVER BE ADJUSTED TO EXCEED 10 PSI.**
- 3. IMPORTANT: When Changing pressure setting - monitor the moto amperage -
The higher the pressure setting the more power/amps the motor will require.
Never exceed the FLA of the motor (13.4 amps @ 115 V)**
 - 4. When desired pressure setting is reached - retighten jam nut to lock in place.**

Cleaning and Maintenance

The easiest way to keep the inside of the ProVac tank clean, is to pump clean water into the tank using the wand and hose attachment. In this way, all parts of the ProVac that are normally exposed to waste are cleaned by the water. Immediately, after filling the tank with water, off-load the unit as previously explained into an appropriate container.

Your ProVac is equipped with two large 6" manway openings (**Pg. 10, #17**) located in the lower back of the tank and on the top. These openings enable you to get inside the tank itself to remove any debris that might have been sucked into the unit. It is also possible to use the opening to spray out the unit. To remove cover, simply unscrew the eight hex bolts and lift off cover. When replacing the cover, be sure that the O-ring (**Pg. 10, #16**) is properly seated.

CAUTION: Do not remove any fittings while unit is under pressure. Severe injury could result. Check gauge first to make sure gauge reads zero.

ELECTRONIC SHUT-OFF

You will find that the electronic float shut-off (**Pg. 10, #12**) on your ProVac is designed so that it is easily removed from the tank for cleaning. To remove the electronic float switch assembly, simply remove the four bolts that hold it in place and pull the whole assembly out of the tank. Make sure the o-ring is in place for reassembly. Complete breakdown for Float Shut-Off (**Pg. 15**).

OIL CATCH MUFFLER

The oil catch muffler (**Pg. 11, #8**) is designed to capture oil as it exits the exhaust of the Conde pump. It is necessary to periodically drain the oil catch by turning the petcock located at the bottom of the oil catch muffler. Always dispose of used oil in a responsible way.

Do not put used oil from the oil catch muffler back into the oil reservoir.

EXHAUST DEODORIZER

Your ProVac is equipped with an exhaust deodorizer (**Pg.11, #23**). This is designed to reduce odors from the tank which may be exhausted through the vacuum pump when the unit is in the vacuum or suction mode. The odor control deodorizer is made to be completely and easily disassembled for maintenance. The deodorizer uses activated charcoal granules to absorb odors rather than trying to "cover up" unwanted odors with a perfume-like fragrance. After a period of time, it will become necessary to replace the activated charcoal. Simply remove clamp and bottom canister, dispose of the old charcoal, and add new charcoal. If the foam elements are not in their proper places, it is possible to suck charcoal into the vacuum pump. If this does happen, immediately flush out the pump with kerosene. Activated charcoal is readily available at most hardware stores. If you have trouble locating replacement charcoal, call Westmoor, Ltd. Complete breakdown of Exhaust Deodorizer can be seen on **Pg. 14**.

FLUSHING INSTRUCTIONS - As preventative maintenance it is recommended to flush the pump periodically, depending on its use.

However unlikely, it is possible that liquid may be inadvertently sucked into the pump while pumping. If this occurs, flush the pump out with kerosene or diesel fuel immediately. If there is liquid in the secondary trap bowl, flush pump immediately.

Never under any circumstance flush out the pump with gasoline or any other highly flammable substance.

Before flushing procedure (so you do not contaminate activated charcoal and filter elements) remove clamp and bottom canister on deodorizer. (**Pg. 11, #23**). Complete breakdown of Exhaust Deodorizer **Pg. 14**.

To flush the pump, utilize the brass flushing petcock (**Pg. 11, #27**) located on the top front of the pump. Attach a small line from the petcock to a small cup of kerosene. Turn the pump on in the vacuum or suction mode, and open the petcock. Even though the vanes inside the pump may be stuck in the rotor slots, a small amount of vacuum should draw kerosene into the pump and out the exhaust. Continue to suck kerosene into the pump until the vanes become free which can be audibly detected, and the pump is able to reach full vacuum (16" Hg). After flushing the pump, drain the kerosene out of the oil catch muffler and turn the unit back on in the vacuum mode and run for two minutes.

Note: This is done to lubricate the pump after flushing.

After flushing procedure, reassemble odor deodorizer.

Note: Serious corrosion problems caused by liquid or other foreign substance entering the pump may require complete disassembly and rebuilding of the pump.

TROUBLE SHOOTING YOUR PROVAC

Problem	Solution
- Unit turns on, but will not build up vacuum	- Pump needs flushing
	- Exhaust/oil-catch or deodorizer plugged
	- Check to see that all valves are closed
- Unit builds vacuum, but will not pump	- Hose is clogged with debris. Turn unit off, detach suction line and reattach turning it end for end. Turn on unit in vacuum

Problem

- In the pressure mode, unit builds pressure, but will not off-load
- Pump is overheating
- Control Switch (vacuum or pressure position) motor does not start
- Unit will not shut off when full
- Motor will start in vacuum not pressure
- Motor will start in pressure not vacuum
- Kicking out 15 amp service
- Pump not getting oil

Solution

- Make sure the discharge line is open. Detach hose and reverse it end for end in the event the hose is clogged. Make sure the off-load head is not more than 10 feet.
- Pump is not getting sufficient oil. Check oil level in reservoir and fill to proper level.
- Check power supply
- Reset on motor
- Faulty contactor
- Faulty float switch
- Faulty contactor
- Tank full
- Faulty float switch
- Faulty contactor
- Relief valve set too high, readjust to 16" Hg
- Low oil level
- Not recommended oil
- Wick assembly needs replacing

Thanks again for your purchase. We at Westmoor, Ltd. sincerely feel that we have the best portable liquid waste unit available on the market today.



Conde Pumps
MADE IN THE USA

PARTS LIST

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
OL03PV	PROVAC PUMP (REPLACEMENT)	LWFC015F	CONTOL BOARD (COMPLETE)
KIT03PV	PROVAC PUMP (REBUILD KIT)	LWFC01A	CONTACTOR (ONLY) VAC/PRESS
PVMANIFOLD	ALUMINUM PUMP MANIFOLD	LWSW02	FLOAT SHUTOFF (TANK)
GSKPV03	GASKET PUMP/MANIFOLD	1LC15	WATERTITE CONNECTOR
GSKPV04	GASKET MANIFOLD/OILCATCH	CORDR	25' CORD REEL
MT1.5F	1-1/2 HP ELECTRIC MOTOR (115 V-13.4 FLA)	CORDRP	CORD PLUG (MALE END)
PUCFL5J034	PUMP - DRIVE COUPLING	OR231	O-RING (TANK FLOAT CONNECTION)
PUCFL5J058	MOTOR - DRIVE COUPLING	OR259	O-RING (CLEANOUT)
PUCSL5JE	RUBBER INSERT FOR DRIVE COUPLING	LWTR02	PLASTIC SECONDARY TRAP (COMPLETE)
KEY03	3/16" SHAFT KEY	LWTR02A	SECONDARY TRAP (TOP CAP)
MTSP786.5	ALUMINUM MOTOR RISER/SPACER	LWTR02B	SECONDARY TRAP (CLEAR BOWL)
GRDC03	DRIVE COUPLING GUARD	1BA200B	FLOAT BALL
TO03PVUNIT	OIL RESERVOIR (COMPLETE)	GAGE016	VACUUM/PRESSURE GAUGE
EDMP02A	VENTED FILL PLUG FOR RESERVOIR	HOSELWP114	1-1/4" I.D. HOSE (VACUUM/PRESSURE)
TO016	1/4" I.D. CLEAR SIGHT TUBE	LWBH01	BRAKE LEVER HANDLE
PF229-4-2	BRASS BARBED ELBOW FOR SIGHT TUBE	LWBH02	BRAKE HANDLE LOCK
TO008PVA	BRASS JET ORIFICE & WICK ASSEMBLY	LWW10	10" REAR WHEEL
RWPATUB025A	1/4" O.D. OIL FEED TUBE	FSC100	COTTER PIN / REAR WHEEL
PF170P-4-2	BRASS POLYTITE ELBOW (FEMALE)	LWCA05	FRONT SWIVEL CASTER
PF169P-4-2	BRASS POLYTITE ELBOW (MALE)	LWSG21	2" SIGHT GLASS W/ O-RING
PFCVB018A	1/8" IN-LINE OIL TUBE CHECK VALVE	LWVB200B	2" POLY BALL VALVE (INLET) TOP
TO015A	REPLACEMENT OIL LINE W/ CHECK VALVE	LWVB200A	2" POLY BALL VALVE (DISCHARGE) BOTTOM
RVP10	BRASS - VACUUM RELIEF VALVE	LWHA10	2" X 10FT PLASTIFLEX HOSE ASSEMBLY
RVP10P	BRASS - PRESSURE RELIEF VALVE	LWWA15	WAND ASSEMBLY (ONLY)
SV124	BRASS PETCOCK (FLUSH VALVE)		
TO008	BRASS HOSE BARB (FLUSH VALVE)		
MFOC3PV	OIL CATCH MUFFLER		
LWDE00	EXHAUST DEODORIZER (COMPLETE)		
LWDECH1	REPLACEMENT CHARCOAL		
LWDEFLT1	FOAM ELEMENT (2 REQUIRED)		
LWDE01A	SCREEN FOR DEODORIZER TOP		
1SS321630	CLAMP FOR DEODORIZER		
1SS321030	GASKET FOR DEODORIZER		
PFCV100	1" BRASS CHECK VALVE (BETWEEN OIL CATCH / DEODORIZER)		
PFCVBC075A	3/4" POLY CHECK VALVE (MOUNTED ON OIL CATCH)		

SALES

CUSTOMER SERVICE & TECHNICAL SUPPORT

WESTMOOR LTD.
906 WEST HAMILTON AVE
SHERRILL, NEW YORK 13461

PHONE: 800-367-0972

FAX: 315-363-0193

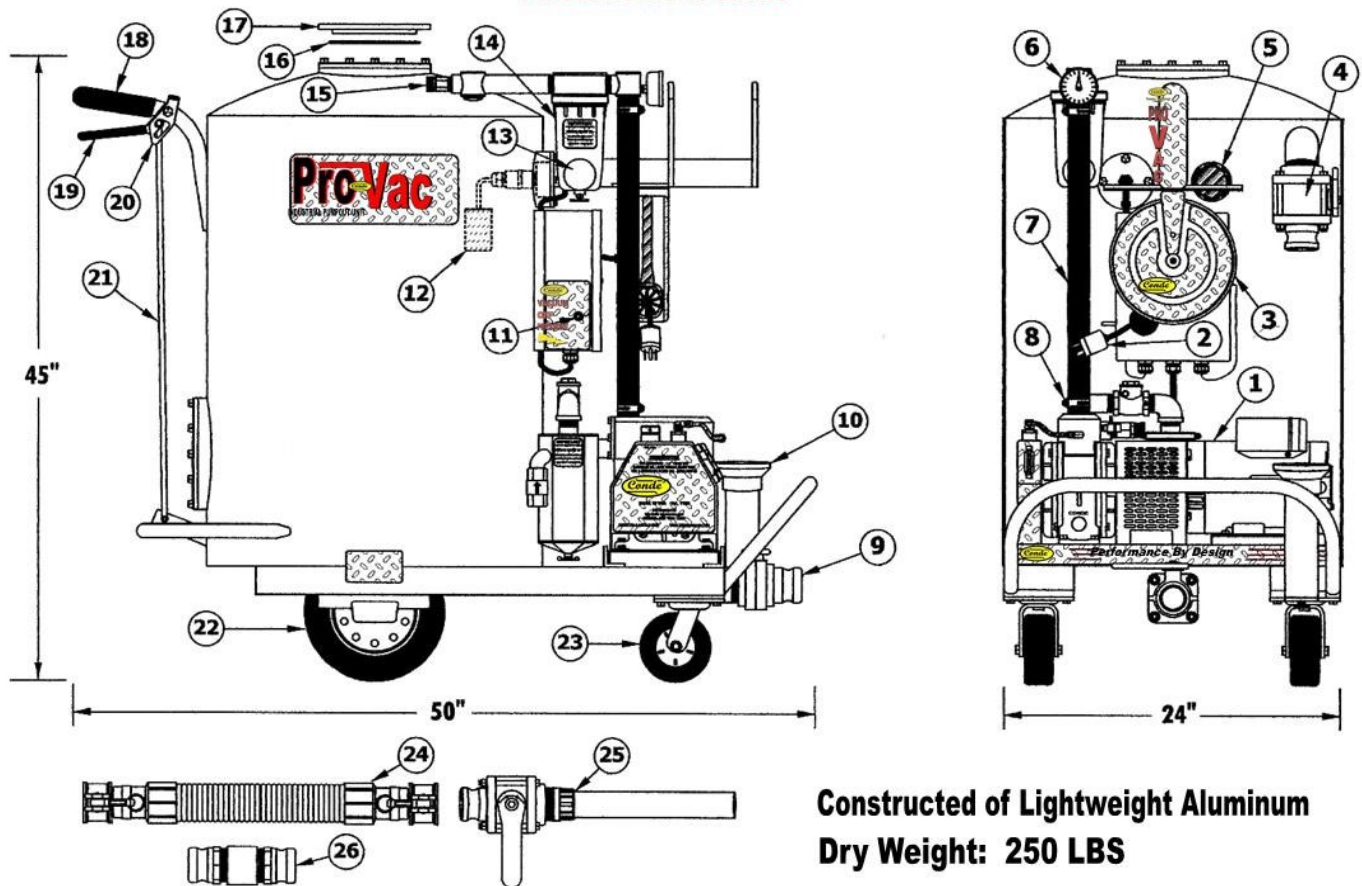
www.westmoorltd.com

E-mail: pumps@westmoorltd.com

Manufacturer of: **Conde Pumps** Est. 1939

ProVac Industrial Pumpout - Parts Identification

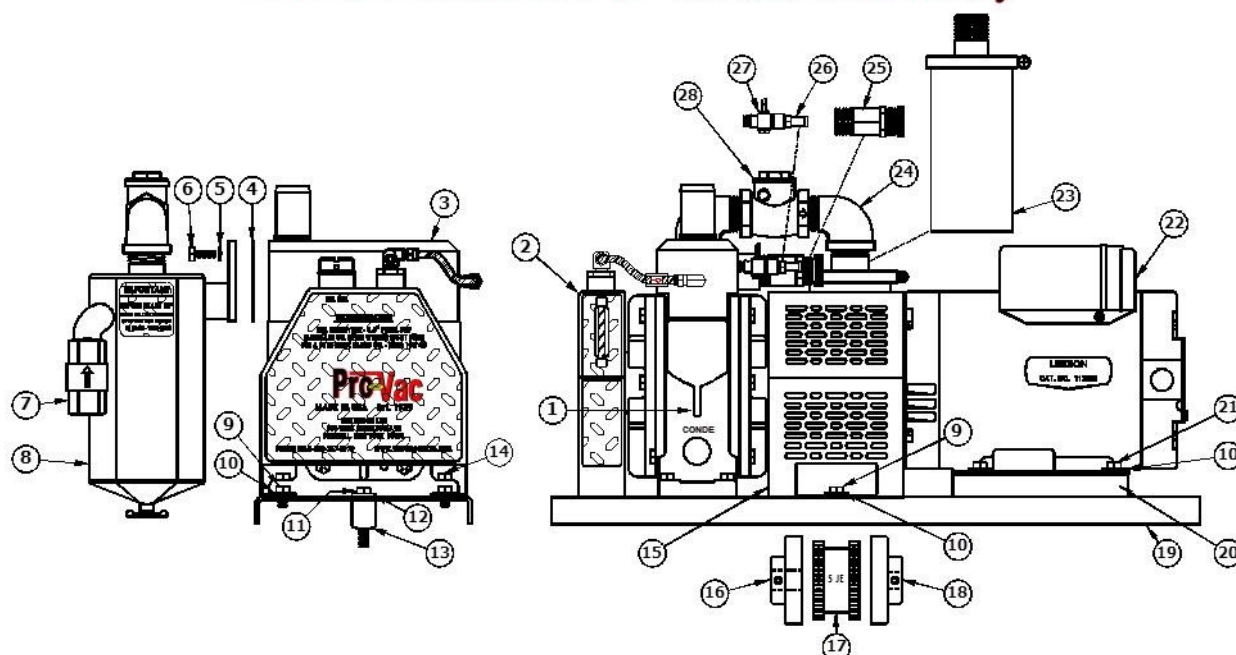
Part No: LWUNP60A10



Constructed of Lightweight Aluminum
Dry Weight: 250 LBS

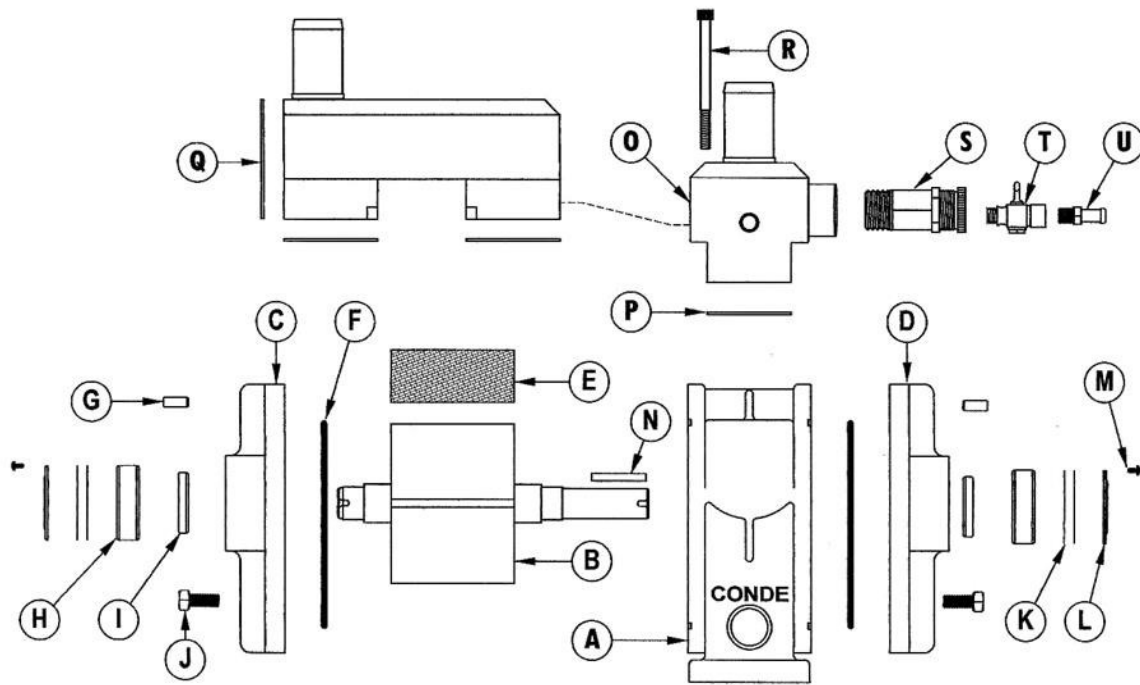
ITEM	PART NO.	QTY	DESCRIPTION
1	OLUN0394PRO10	1	PROVAC PUMP AND MOTOR PACKAGE
2	CORDRP	1	CORD PLUG - MALE (5-15)
3	CORD1	1	RETRACTABLE CORD REEL - 12 AWG
4	LWVB200B	1	2" INLET BALL VALVE (TOP)
5	LWSG21	1	2" SIGHT GLASS & O-RING
6	GAGE016	1	VAC/PRESS GAUGE - LIQUID FILLED
7	HOSELWP114	2 FT	1-1/4" VACUUM / PRESSURE HOSE
8	CLAMP020	2	S.S. HOSE CLAMP
9	LWVB200A	1	2" DISCHARGE BALL VALVE (BOTTOM)
10	PVCCR300200	1	WAND HOLDER - PVC TOP
11	LWTG015	1	TOGGLE SWITCH (VAC. /OFF/ PRESS.)
12	LWSW02	1	FLOAT SWITCH
13	1BA200B	1	SECONDARY TRAP- FLOAT BALL
14	LWTR02B	1	SECONDARY TRAP - BOWL REPLACEMENT
15	RVP10P	1	3/4" PRESSURE RELIEF VALVE
16	OR259	2	CLEANOUT O-RING
17	LWCOCSA01	2	CLEANOUT COVER
18	LWGR00	2	HANDLE GRIP
19	LWBH01	1	BRAKE HANDLE
20	LWBH02	1	BRAKE THUMB LOCK
21	LWBR01	1	BRAKE LINKAGE ROD
22	LWW10	2	REAR WHEEL
23	LWCA05	2	FRONT SWIVEL CASTOR
24	LWHA10	1	2" X 10 FT HOSE ASSEMBLY (STANDARD)
	LWHA20		2" X 20 FT HOSE ASSEMBLY (OPTIONAL)
25	LWWA15	1	WAND ASSEMBLY
26	LWHCONN		2" MALE - HOSE CONNECTOR (OPTIONAL)

Part No: OLUN0394PRO10 ProVac Unit Assembly

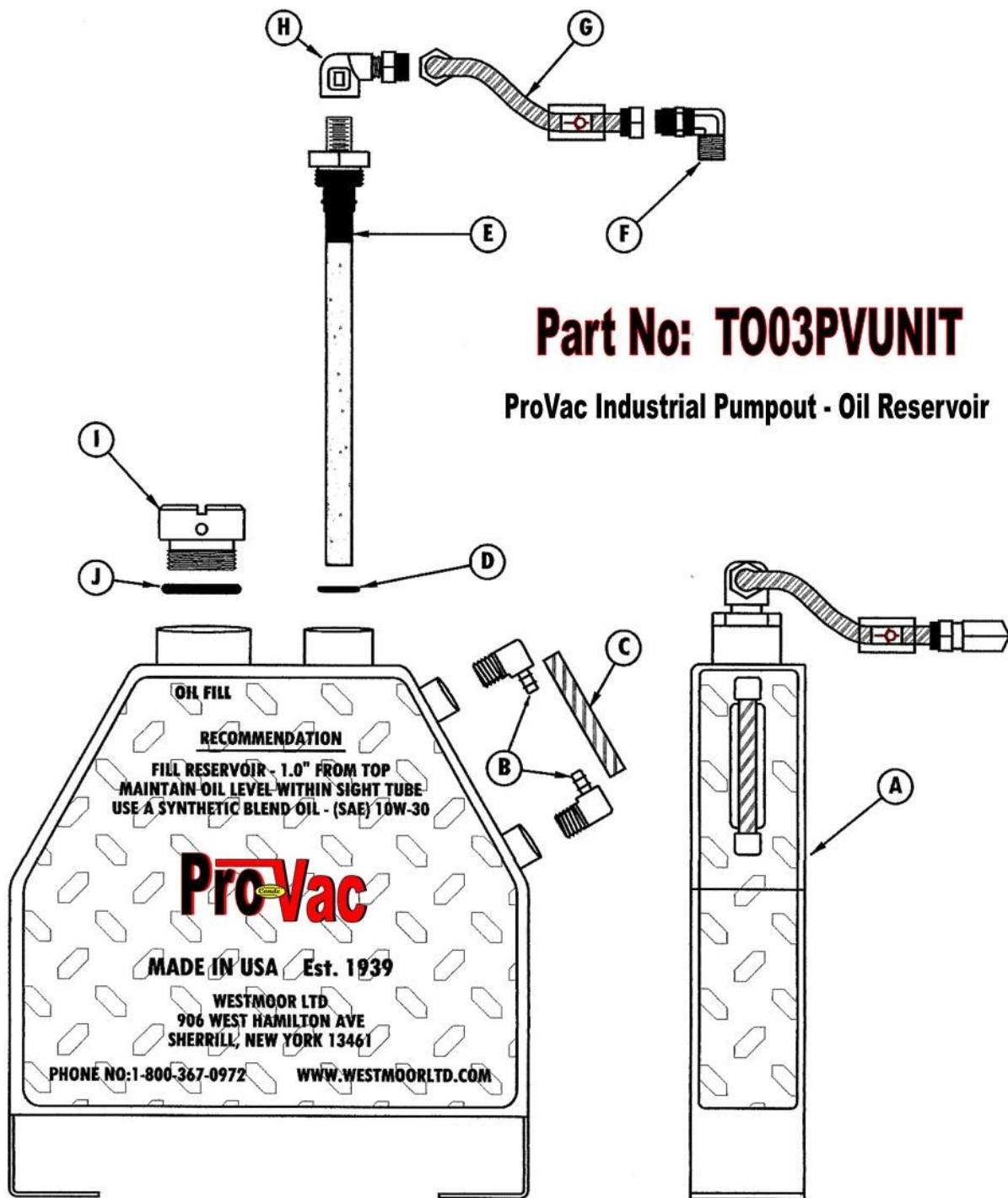


ITEM	PART NO.	QTY	DESCRIPTION
1	OL03PV	1	#3 PROVAC PUMP (CCW) DUAL ROTATION
2	TO03PVUNIT	1	PROVAC PUMPOUT UNIT OIL RESERVOIR
3	PVMANIFOLD	1	PROVAC PUMP MANIFOLD
4	GSKPV04	1	PROVAC MANIFOLD / OIL CATCH GASKET
5	FSXW25050	6	1/4" (MED) S.S. LOCKWASHER
6	FSX25075	6	1/4-20 X 3/4" LGTH S.S. HEX CAP SCREW
7	PFCVBC075A	1	POLY - SPRING LOADED CHECKVALVE (3/4")
8	MFOC3PVUNIT	1	P.V. PUMPOUT - OIL CATCH MUFFLER
9	FS31050	4	5/16-18 X 1/2" LGTH HEX CAP SCREW
10	FSW31087	8	5/16" USS FLAT WASHER
11	FS31200C	2	5/16-18 X 2" TFL HEX HEAD CAP SCREW
12	FSXW31075	2	5/16" X 3/4" FLAT WASHER
13	7BASEPVSP	2	ALUM. BASE SPACER
14	FS31100	1	5-16-18 X 1" LGTH HEX CAP SCREW
15	GRDC03	1	COUPLING GUARD
16	PUCFL5J034	1	PUMP - DRIVE COUPLING
17	PUCSL5J	1	FLEX RUBBER INSERT FOR DRIVE COUPLING
18	PUCFL5J058	1	MOTOR - DRIVE COUPLING
19	BASE06CP	1	PROVAC PUMP UNIT BASE
20	MTSP786.5	2	MOTOR - ALUMINUM SPACER
21	FS31150	4	5/16-18 X 1-1/2" LGTH HEX CAP SCREW
22	MT1.5F	1	MOTOR - 1-1/2 HP-1 PH (60 HZ)
23	LWDE00	1	EXHAUST DEODORIZER
24	PFECS100	2	1" GALV. ST. ELBOW
25	RVP10	1	3/4" BRASS VACUUM RELIEF VALVE
26	TO008	1	1/8" NPT X 1/4" HOSE BARB
27	SV124	1	FLUSH VALVE
28	PFCV100	1	1" SWING CHECK VALVE

Part No: OL03PV ProVac Pump - Replacement

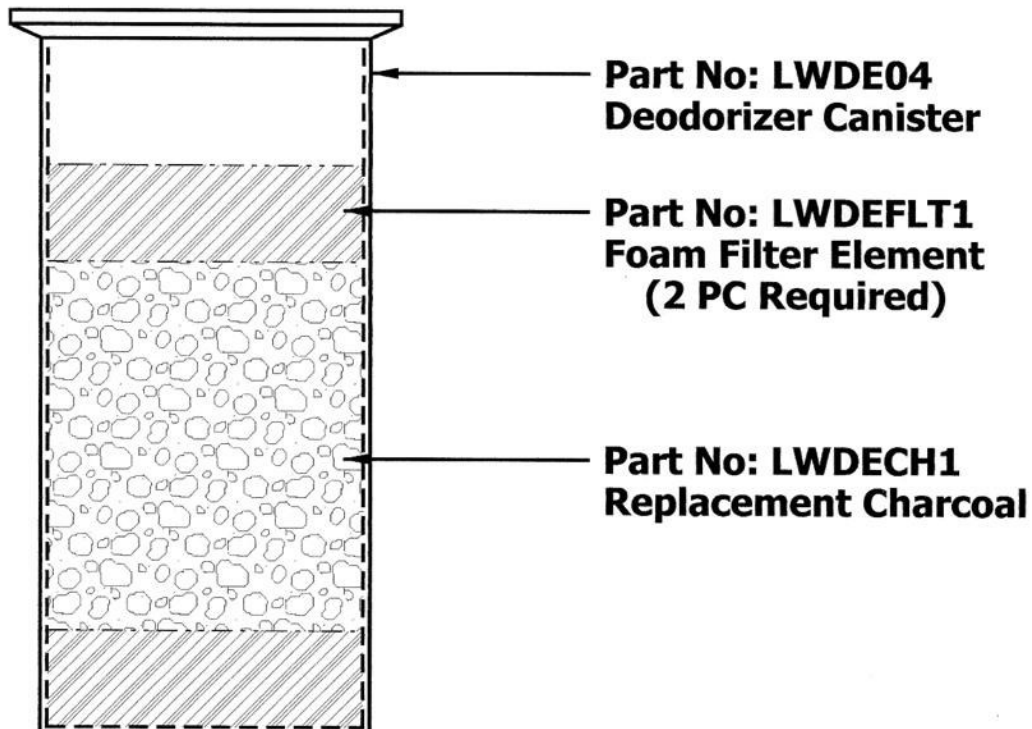
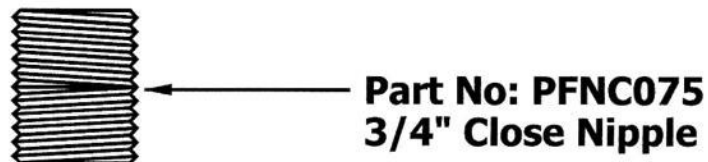
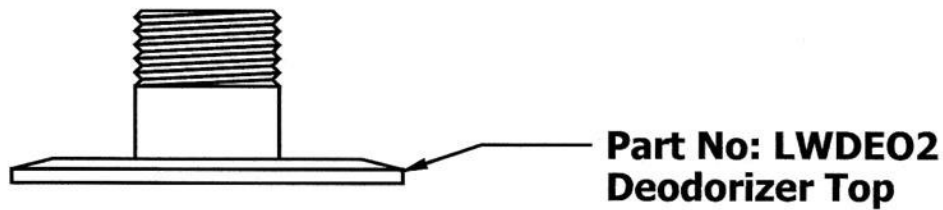


ITEM	QTY	PART NUMBER	DESCRIPTION
A	1	HS03PV	#3 PROVAC HOUSING
B	1	RT03PV	#3 PROVAC ROTOR
C	1	PLF03PV-2L	#3 PROVAC (CW) END PLATE
D	1	PLF03PV-3R	#3 PROVAC (CCW) END PLATE
E	4	VN03FB91PV	#3 PROVAC VANE
F	2	OR159	#3 PROVAC HOUSING O-RING
G	4	PIN3612	1/4" DOWEL PIN
H	2	BR036204A	#3 BEARING
I	2	SE03	#3 OIL SEAL
J	12	FS31075A	5/16" - 18 X 3/4" HEX CAP SCREW
K	1/SET	BRS03	#3 SHIM SET
L	2	BRC03	#3 BEARING COVER
M	1/SET	FS16025	#3 BEARING COVER SCREWS
N	1	KEY03	#3 (3/16" SQ.) SHAFT KEY
O	1	PVMANIFOLD	#3 PROVAC PUMP MANIFOLD
P	2	GSKPV03	#3 PROVAC MANIFOLD GASKET
Q	1	GSKPV04	#3 PROVAC MUFFLER GASKET
R	4	FSX25325	1/4-20 X 3-1/4" SOCKET HEAD BOLT
S	1	RVP10	3/4" BRASS VACUUM RELIEF VALVE
T	1	SV124	FLUSH VALVE
U	1	TO008	1/8" NPT X 1/4" HOSE BARB

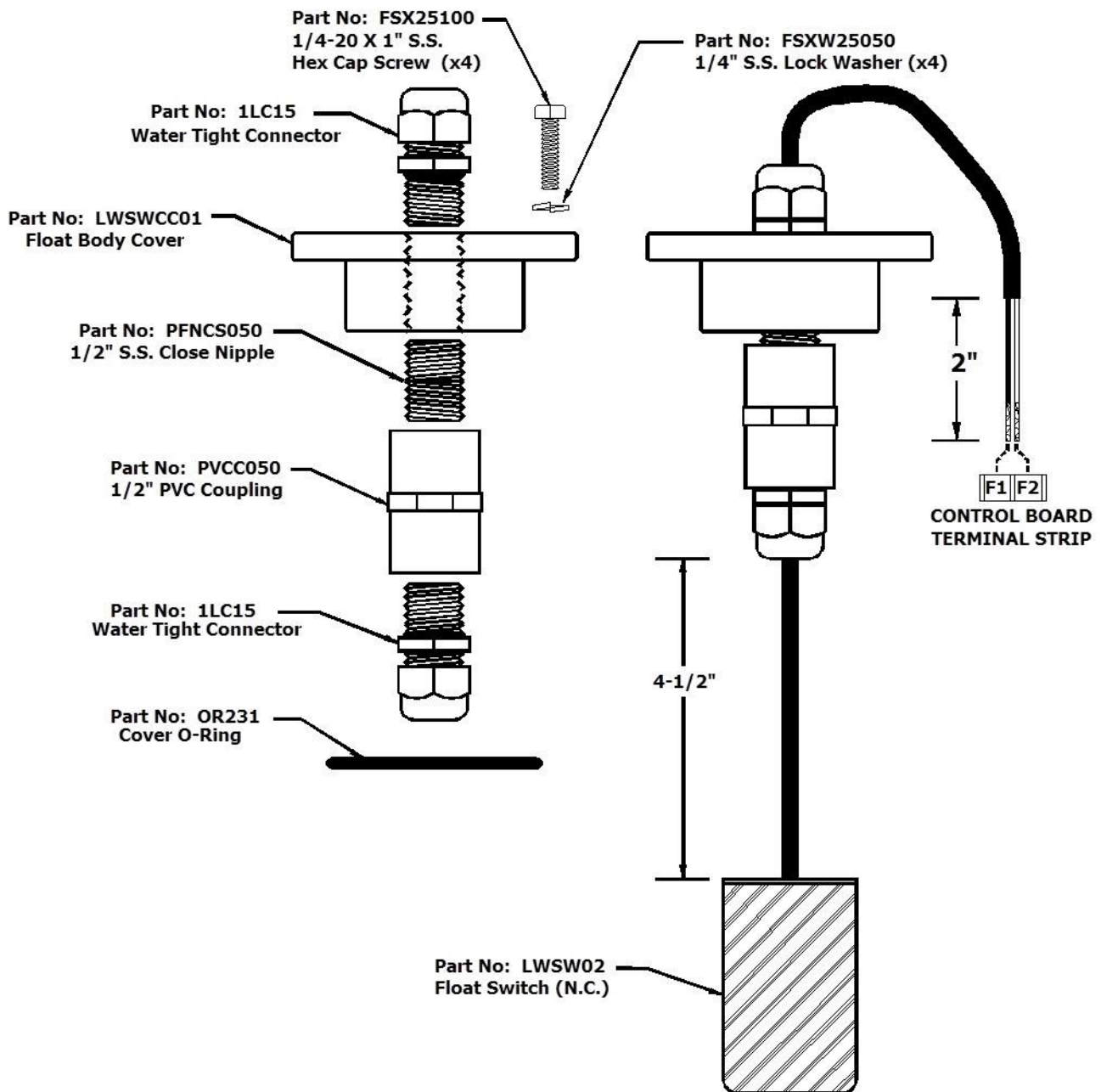


ITEM	PART NO.	QTY	DESCRIPTION
A	T003PVUNIT		OIL RESERVOIR - COMPLETE
B	PF229-4-2	2	BRASS BARBED ELBOW
C	T0016	1	SIGHT TUBE
D	OR015	1	O-RING FOR WICK ASSEMBLY
E	T0008PVA	1	WICK ASSEMBLY
F	PF169P-4-2	1	BRASS MALE ELBOW
G	T0015A	1	OIL LINE / CHECK VALVE ASSEMBLY
H	PF170P-4-2	1	BRASS FEMALE ELBOW
I	EDMP02A	1	ALUMINUM FILL PLUG
J	OR212	1	O-RING FOR FILL PLUG

Part No: LWDE00 EXHAUST DEODORIZER

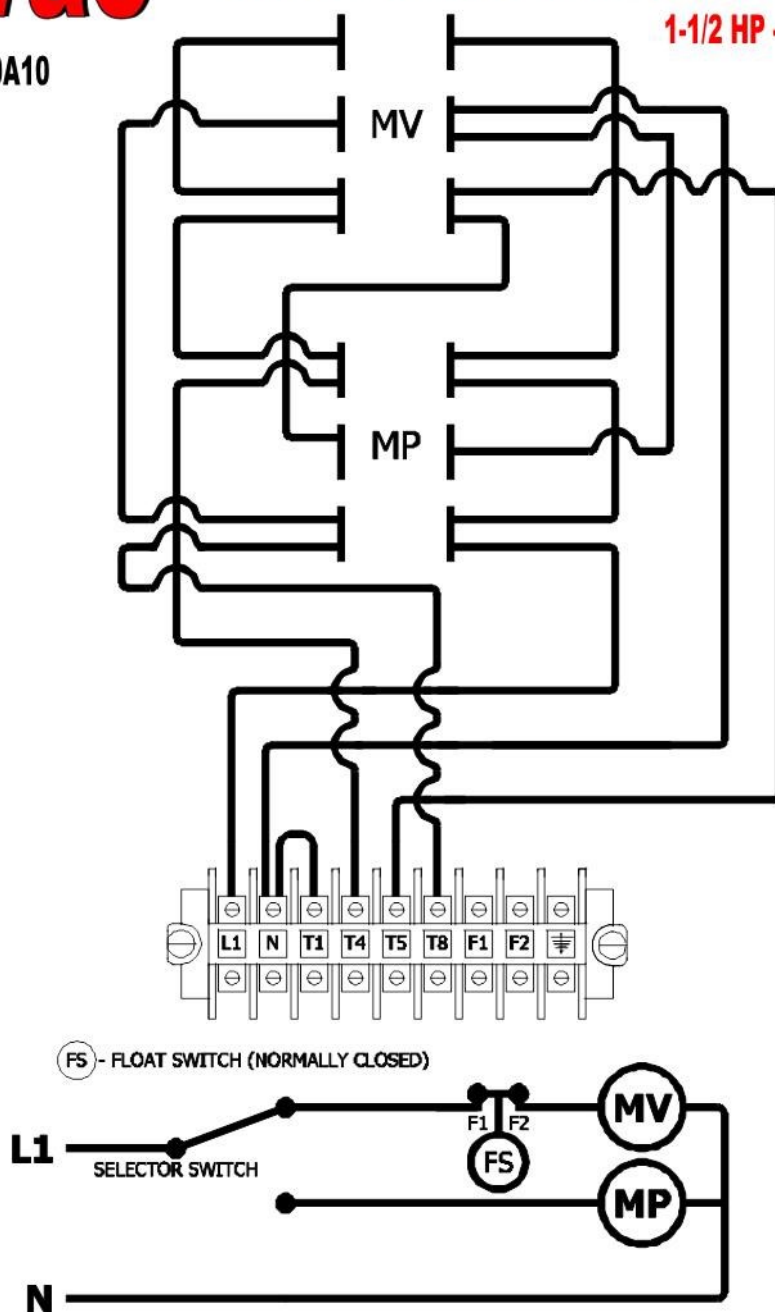


ProVac Float Switch Assembly



CONTROL BOARD / CONTACTOR WIRING SCHEMATIC

1-1/2 HP - 1 PH / 120 VOLT



REPLACEMENT PARTS

PART NO.

CONTROL BOARD - COMPLETE

LWFC015F

CONTACTOR - VAC / PRESS

LWFC01A

TOGGLE SWITCH

LWTG015

FLOAT SWITCH

LWSW02

CORD REEL

CORD1

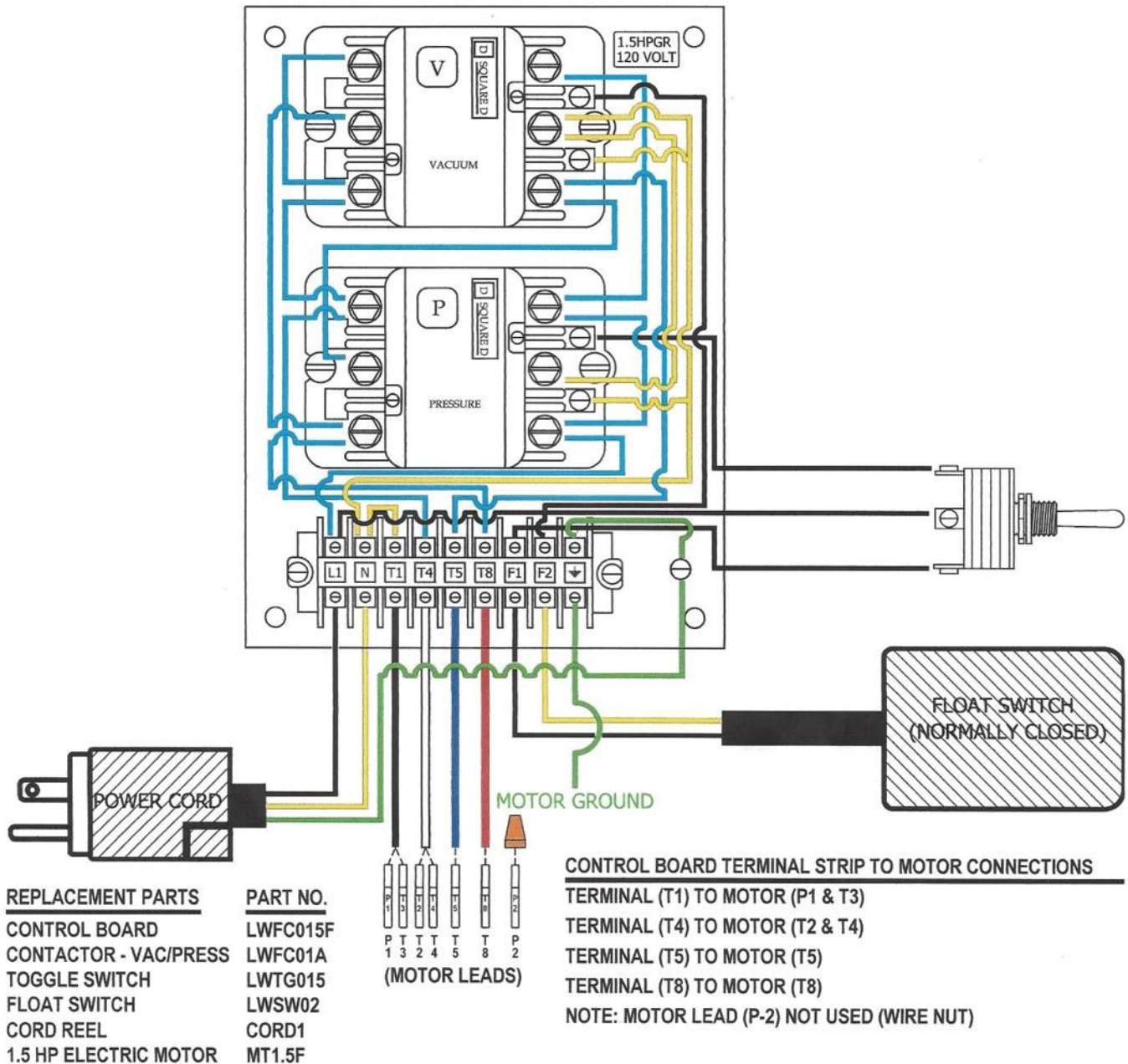
1.5 HP-1 PH 115V ELEC. MOTOR

MT1.5F

ProVac

Industrial Pumpout System

Control Board Wiring for LWUNP60A10 Pumpout Unit





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