

USER MANUAL

PARTS CLEANER, UPW400 SERIES





INTRODUCTION

Uni-ram holds many patents on designs used in its innovative products. Every machine is tested for compliance with Quality Assurance standards. Follow the directions in this manual under Setup, Operation and Maintenance in order to operate this machine safely and effectively. Not following these instruction can lead to malfunction or damage to the machine. Ensure that the manual is readily available for the operator at all times. If you have any questions about the operation of this machine, call Uni-Ram Service Engineer at 1-800-417- 9133.

Additional Model

UPW400E: Ready for connection to a Uni-ram Solvent Recycler.

• Quick connects provided on 8 gallon reservoir tank for ease of hose connection.

COMMON FEATURES

- Solvent flows from jets located under the lid, on the bottom and sides of the cleaning tank.
- Stainless steel construction of delivery tubes and tank for long life.
- Powered by 2 Uni-ram 4" dual diaphragm pumps, 3.7 gal/min, air powered.
- Diaphragm pumps pump solvent to the jets the 8 gallon reservoir; solvent returns to the reservoir.
- Timer, maximum time of 5 minutes.
- Flow-through brush, activated by a foot pedal.

CAUTIONS AND WARNINGS

- Always disconnect this machine from power sources before performing maintenance.
- Do not smoke or use near open flames, sparks or heat.
- Make sure all ground wires are connected and that unit itself is grounded properly.

SAFETY EQUIPMENT

- · Wear safety eyeware, respiratory protection and protective clothing.
- Wear deluxe extended length neoprene gloves; SAS PN 6588 or Thicksters PN 6602-20 through 6605-20.

UPW400



SETUP

DELIVERY INSPECTION

• Inspect the shipping carton for any sign of transport damage. Carefully remove the unit from the shipping carton and check the unit for damage. Report any transport damage immediately to the carrier and to Uni-ram Corporation. Initiate a freight claim with the carrier. The manufacturer is not responsible for the freight damage.

LOCATION

Position the unit in a well-ventilated area away from sparks, heat and open flames, at least 6 " from the back wall.

AIR SUPPLY

- Connect a male air supply adapter (not supplied) into the female Air Inlet on the unit. The male air supply adapter is 1/4" NPT.
- Connect the female air supply hose to the adapter. The air supply hose must be at least 3/8" inside diameter. The air supply pressure must be at least 85 PSI and the supply air must be free from contaminants such as water, dust, rust, tar and grease. If the air supply is not clean and dry install a moisture filter. The operation and longevity of the pump and other components depends on clean dry supply air.
- To prevent damage to the Diaphragm Pump an internal Air Pressure Regulator has been installed to limit the air pressure to 85 PSI. Do not install a second air pressure regulator or use a pressure set below 85 PSI.

GROUNDING

• Connect the green ground wire at the back of the unit to a ground in the building using the ring terminal on the ground wire.

Note: The pump and metal tube that inserts into each pail are grounded.

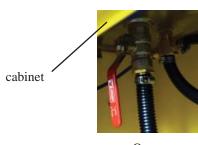


Ring Terminal

PAIL SETUP - UPW400

- · Open the cabinet door.
- The spray gun cleaner comes with one wash container. The black drain hose and suction hose are inserted into the wash container. See the photo of the unit below. The stainless steel inlet filter is located at the end of the suction hose and prevents debris from reaching the pump and wash tank. Clean the suction filter monthly. It is removable.
- Open the drain valve located inside the cabinet.
 Rotate handle to the vertical position. (see photos on right) Fill wash container by pouring solvent in the wash tank.

Drain Valve





Open

Closed

OPERATION

- Load the parts to be cleaned into the cleaning tank in a manner where all dirty sides of the part is exposed to solvent jets.
- Close the lid securely and turn the timer up to 5 minutes.
- Press Air Rinse to purge the solvent jets.
- Use the solvent Flow-Through Brush if additional cleaning is required. Activate the brush by stepping on the foot pedal.
- Dry the parts.

MAINTENACE

Blocked Fluid Passage In Diaphagm Pump

If the pump sounds like it is working but liquid does not flow, clear the fluid passageMAIN as follows:

• Remove suction tube from the pail and blow air at 85 PSI into the INLET Liquid Hose (see diagram). Step on foot pedal to activate pump. This procedure may have to be repeated several times. If this procedure does not help, blow some water into the suction hose using a spray gun, wait one minute and step on foot pedal to activate pump. This procedure may have to be repeated several times. If this procedure does not work, the pump must be replaced.

If you need to replace the pump log-on to Service Channel and Fixxbook or call the Uni-ram Service Engineer.

The warranty on the diaphragm pump is two years from date of purchase.

This procedure will also clear a blockage in the fluid line for the brush. Follow the same procedure to clear a blockage in the automatic nozzle except turn the timer instead of stepping on the



Blocked Air Passage In Diaphragm Pump

If there is a steady hissing sound and the pump is not cycling, the spool valve has stalled due to a blocked air passage. Follow the procedure below to clear the blockage.

- Connect a blow gun to an 85 PSI source. Locate the blue hose that extends from the air exhaust port of the diaphragm pump. Use a blow gun to blow air into the open end of this hose. Turn timer. If the procedure is successful, the pump will start working. The procedure may have to be repeated several times. If this procedure does not work, replace the pump.
- Cause: Contaminants in the air supply (water, oil, solid particles etc)
- Preventative Action: If necessary, install an Airline (Moisture) Filter.



Blocked Passage in Air Line

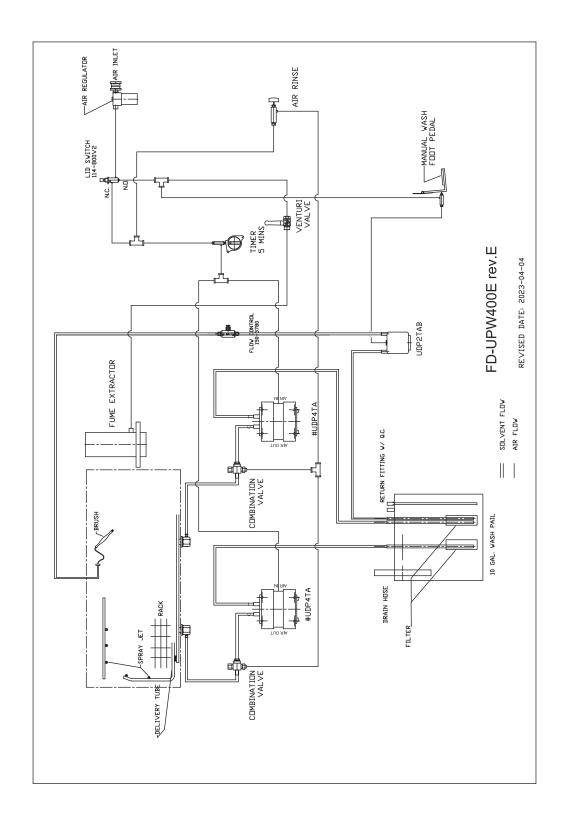
The components in the air line are the diaphragm pump, air valve, foot pedal, 3-way ball valve and regulator. See the Flow Diagram and the section: Replacement Parts.

To troubleshoot a component:

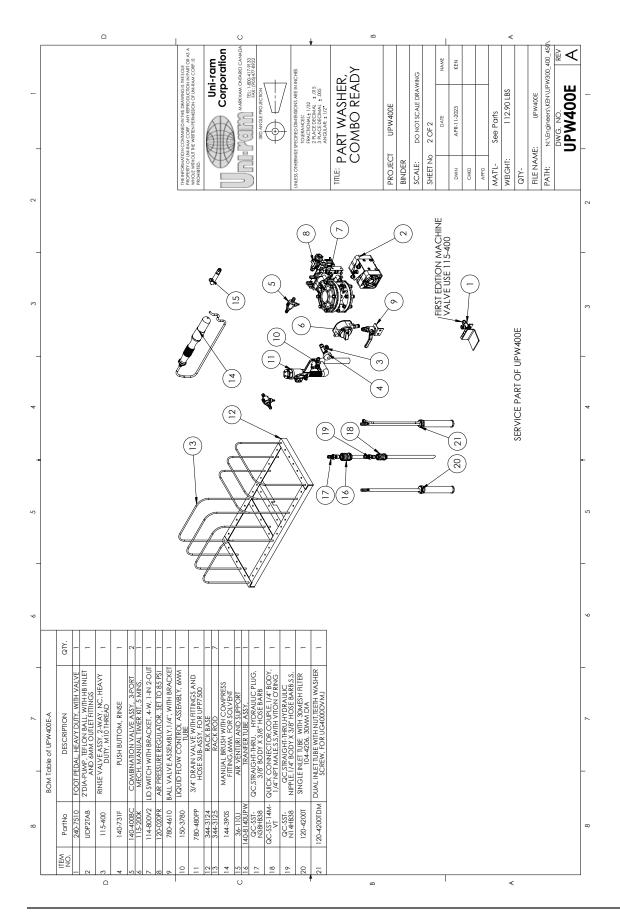
- 1) Disconnect the air line to the component using the quick disconnect.
- 2) Step on foot pedal and check for presence of positive air pressure in the air line. If there is ample positive air pressure, replace the component.

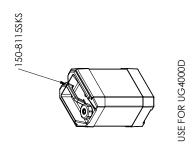
If air pressure is absent, there is a faulty component upstream. Reconnect the air line and check the operation of the next component upstream by following steps 1 and 2 above.

UG4000D FLOW DIAGRAM
Use the diagram to trace the flow of compressed air and solvent.

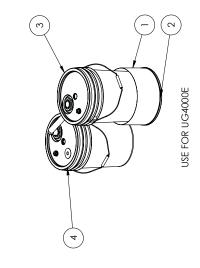


Uni-ram Corporation <u></u>₩ NAME TEL: 1-800-417-9133 FAX: (905)477-8922 Ä TITE: PART WASHER, COMBO READY DO NOT SCALE DRAWING 112.90 LBS UPW400E UPW400E APR-11-2023 See Parts FILE NAME: UPW400E DATE 1 OF 2 **PROJECT** SHEET No BINDER SCALE: MAT'L-WEIGHT: PATH: " CHKD APPD QTY-For replacement parts contact Uni-ram Service Engineer at 1-800-417-9133. +13.600[345.44] REPLACEMENT PARTS 25.830 [656.08] O. QTY. See Parts See Parts See Parts Material 7 BOM Table of UPW400E-A CABINET
WASH TANK COMPLETE
WASH TANK, 10 GAL, WITH
EITINGS 41.972[1066.09] DESCRIPTION 344-6000 344-3000 780-8320UPW PartNo ÃÖ.



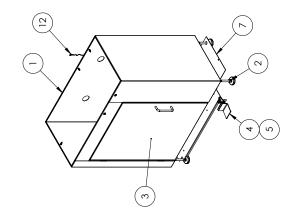


	QTY.	-		1	1		
BOM Table of 140-8000	DESCRIPTION	RAISER, FOR RINSE PAIL IN E MODEL GUN CLEANER	TRIM FOR RAISER	5 US GAL BUCKET WITH LID SET AND OVERFLOW SET	5 US GAL. BUCKET WITH LID AND TUBING SET,		
BOMI	PartNo	780-8116	780-8106	780-8141	780-8151		
	₩ö.	_	2	е	4		



UG4000 UNI-RAM CORPORATION REV.C, DATE: 2018-08-22

BOM Table of 140-600T-D	QTY.	-	4	_	-	1	-	-
	DESCRIPTION	CABINET WELDMENT ASSY, UG4000	ADJUSTABLE FOOT,LONG,3/8-16x2.5'L STUD*GC,*SR	DOOR ASSEMBLY FOR UG4000	FOOT PEDAL, HEAVY DUTY, WITH VALVE	PIN RUBBER SLEEVE , FOR FOOT PEDAL	FLOOR	GROUND WIRE ASSY 18GA 1300MM,GREEN, BOTH ENDS WITH 1/4" NON-INSULATED TIN-PLATED COPPER RING TERMINAL.
	PartNo	140-620T	110-531L	150-630T	240-7510	240-7513	140-6235	100-835-6
	NG.	_	2	3	4	2	7	12





Full Product Warranty

These Uni-ram products have been engineered and manufactured to high performance standards. Each unit has been subjected to detailed factory testing before shipment.

This product comes with a one-year full warranty from the date of purchase. Uni-ram Corporation reserves the right to repair or replace the unit, free of charge, to the original purchaser if a part is found to be defective in material or workmanship as determined by factory service personnel. The items listed below under "Conditions of Warranty" as consumables are not covered.

Uni-ram reserves the right to direct the customer to ship the unit collect to the Uni-ram factory or to an approved Service Center for repair using the Uni-ram Return Goods Procedure or to repair the unit onsite. To prevent damage in transport, the purchaser must ship the unit in the original packaging or use alternate adequate packaging. All units must be **shipped clean and free of liquid.**

Diaphragm Pump:

We are pleased to advise that the warranty on the diaphragm pump, the heart of the spray gun cleaner, comes with a 2 year replacement warranty. If, in the unlikely event your diaphragm pump fails during the first two years of service, call Uni-ram Service at 1-800-417-9133. We will send you a new pump free of charge and arrange for the return of your original pump.

Conditions of Warranty:

As Uni-ram Corporation has no control over the working conditions or circumstances under which the purchaser stores, handles or uses the product, Uni-ram makes no warranty or claim, either expressed or implied with respect to this product's fitness for any purpose or the result to be obtained from its use. This condition applies to the sale of all products and no representative or distributor of Uni-ram Corporation has the authority to waive or change these conditions.

This warranty applies only to the original purchaser and does not apply if the unit has been misused, overloaded, neglected, altered or used for any purpose other than those specified in the operating and installation instructions. Deterioration due to normal wear is not covered by this warranty. Damage due to accident, transportation, fire, floods or acts of God is also not covered. Units whose serial numbers have been altered or removed are not covered. The warranty is invalid if unauthorized chemicals as noted in the manual or liquids with acid content are used in this unit. Unauthorized attempts at self-repair or alterations by the owner also invalidate this warranty. Interior or exterior finishes are not covered by this warranty.

Consumable Items are not covered by this warranty (eg: gaskets, screens, bags, filters, nozzles and air jets).

This warranty replaces all other warranties expressed or implied by statute or otherwise.

To make a claim, call Uni-ram Service at 1-800-417-9133 and quote the serial number of the unit.