



## USER MANUAL

# UG7500NG and UG7500NGH MANUAL CLEANING WORK STATION



UG7500NG

**UNI-RAM CORPORATION • ONTARIO • CANADA**

## 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 instructions 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 your distributor or a Uni-Ram Service Engineer.

North America:  
Uni-ram Technical Service  
1-800-417- 9133  
Other Continents:  
Contact Your Supplier

## 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 your vendor. Initiate a freight claim with the carrier. The manufacturer is not responsible for the freight damage.

### LEVELING AND AIR SUPPLY

- Level the machine using the adjustable legs.
- Attach an air supply adapter (not supplied) to the Air Inlet.

The air supply pressure must be at least 85 PSI and the air must be free from contaminants such as water, dust, rust, tar, grease etc.

To prevent damage to the Diaphragm Pump an internal Air Pressure Regulator has been installed to limit the air pressure to precisely 85 PSI. Do not install a second air pressure regulator or use **a pressure** set below 85 PSI.

If you have model, UG7500NGH, with hose cleaning, skip the next 2 sections on Pail Setup and Operation for the UG7500NG.

## PAIL SETUP AND OPERATION FOR THE UG7500NG

### PAIL SETUP FOR UG7500NG

The unit is shipped with two pails already setup as follows:

- Left hand pail: contains black drain hose and hose for brush.
- Right hand pail: contains hose for Spigot.
- Move the Drain Valve handle to the "open" (vertical) position if it is not already there.
- Add 5 Gal of solvent to the right hand pail (Clean Solvent Pail) and pour 3 gallons of clean solvent in the cleaning tank to fill the left hand pail.

## **OPERATION FOR UG7500NG**

- To activate the Fume Vent during use, turn the lever labelled "Air Vent" to the open (vertical) position.
- To clean with the brush, using wash liquid, step on the pedal labelled "Manual Wash". To control the flow of solvent out of the Flow-through Brush, turn the flow control valve for the Brush.
- To clean with the Spigot, with clean liquid, step on the pedal labelled "Manual Rinse". To control the flow of solvent through the Spigot, turn the flow control valve for the Spigot.

## **PAIL SETUP AND OPERATION FOR THE UG7500NGH**

### **PAIL SETUP FOR UG7500NGH**

The unit is shipped with two pails already setup as follows:

- Right hand pail: the tube for the Spigot is inserted.
- Left hand pail: black drain hose inserted. The tube for the brush is inserted.
- Move the Drain Valve handle to the "open" (vertical) position if it is not already there.
- Add 5 Gal of solvent to the right hand pail (Clean Solvent Pail) and 3 Gal to the left hand pail (Wash Pail).

## **OPERATION FOR UG7500NGH**

- To activate the Fume Vent during use, turn the lever labelled "Air Vent" to the open (vertical) position.
- To clean with the Flow-through Brush, step on the right pedal labelled "Manual Wash". To control the flow of solvent through the Brush, turn the Brush Flow Control located on the side of the unit.
- To clean with the Spigot, step on the left pedal labelled "Manual Rinse". To control the flow of solvent out of the Spigot, turn the Spigot Flow Control located on the side of the unit.

## **HOSE CLEANING**

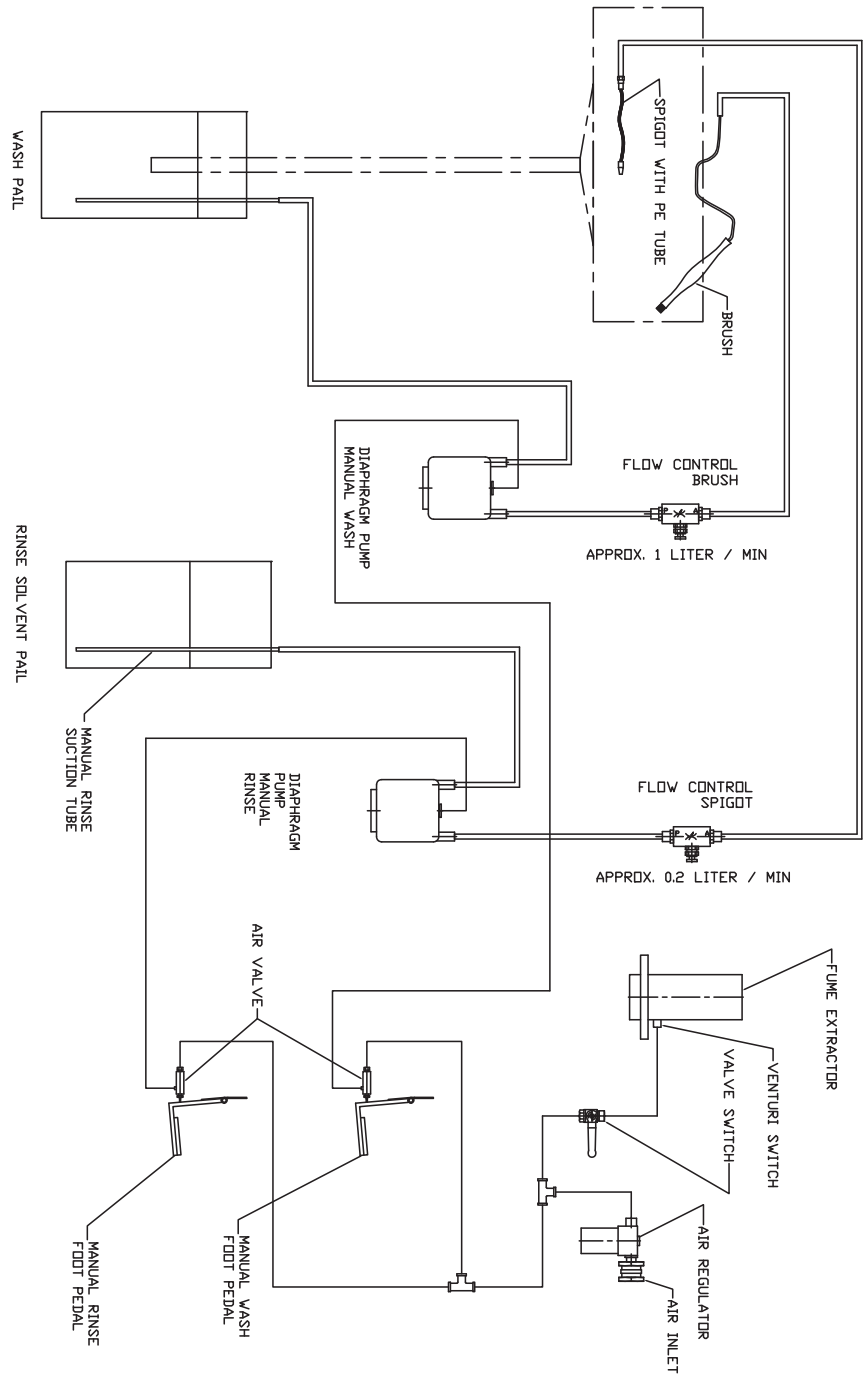
- This feature can be used to clean a paint feeder hose up to 100 feet (30 m) long. Connect the hose to the two fittings on the right side of the unit, the "Solvent Outlet" and "Solvent Return" fittings. Rotate the "Mode Selector" handle to "Hose Cleaning".
- Cleaning Cycle: Step on the foot pedal, "Manual Wash" for 30 seconds. Press "Air Rinse Control" for 3 seconds, then "Rinse Cycle Control" for a clean rinse, then "Air Rinse Control".

## **AFTER CLEANING**

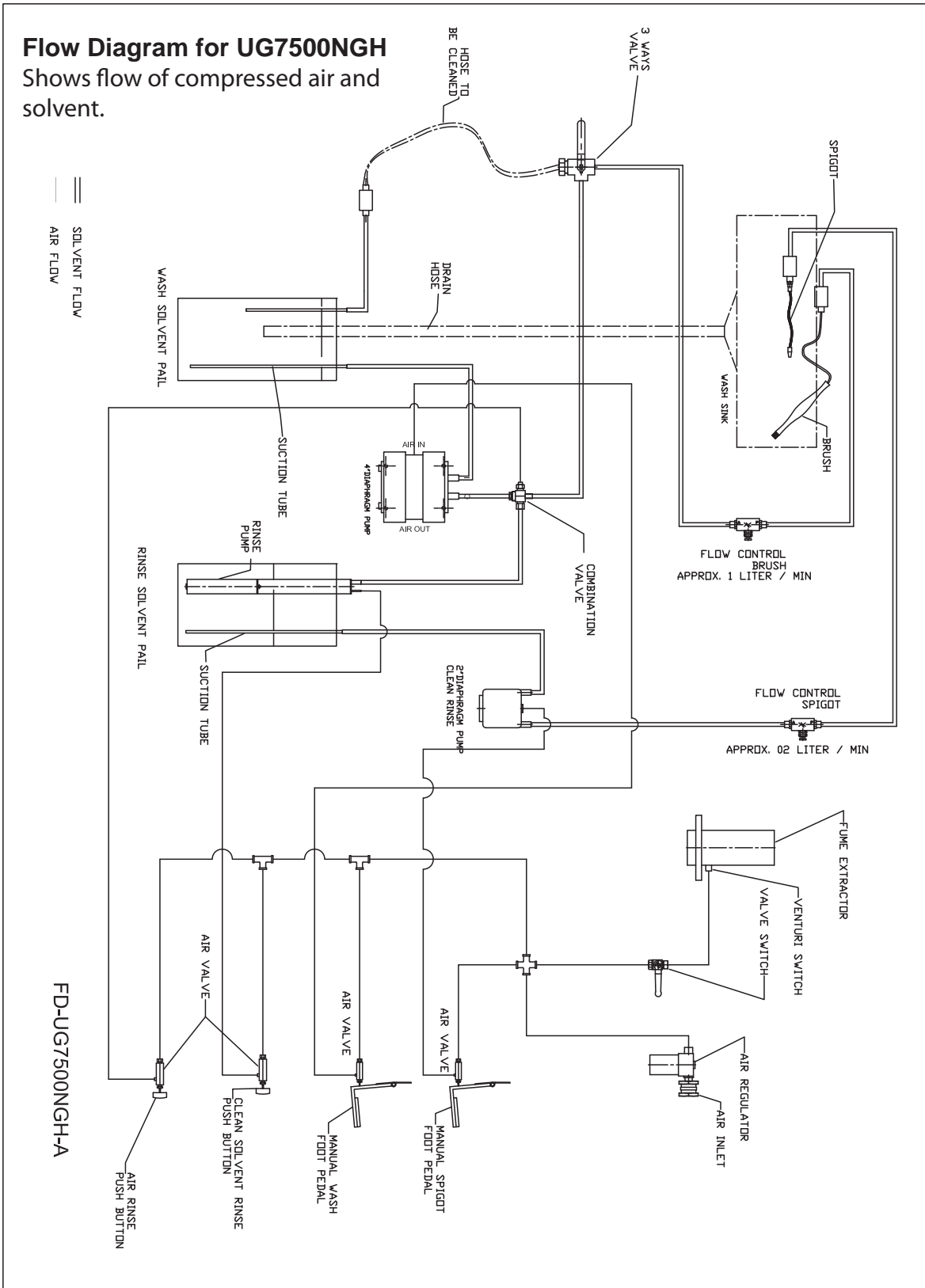
- Remove the guns and cups from the tank and wipe them dry. Do not store spray guns in the tank.
- Return the "Mode Selector" to "Equipment Clean" from "Hose Cleaning".

**FLOW DIAGRAM FOR THE UG7500NG**  
Shows flow of compressed air and solvent.

 SOLVENT FLOW  
 AIR FLOW



**FD-UG7500NG-C**  
 REVISED OCT/15/2014



**TROUBLESHOOTING**

<b>SYMPTOM</b>	<b>REASON</b>	<b>CORRECTIVE ACTION</b>
WASH LIQUID DOES NOT FLOW AND PUMP MAKES A PUMPING NOISE	Drain valve closed	Open drain valve (put in vertical position), if not already open Check wash liquid level. Add liquid if less than 1/2 full.
	Liquid level too low	Check wash liquid level. Add liquid if less than 1/2 full.
	Debris in pump	Follow Procedure 1, "Blocked Fluid Passage in Diaphragm Pump"
WASH LIQUID DOES NOT FLOW AND PUMP MAKES A HISSING NOISE	Water in air line causes pump to stall	Follow Procedure 2, "Blockage in Air Passage in Diaphragm Pump"
WASH LIQUID DOES NOT FLOW AND PUMP DOES NOT MAKE A NOISE	Pump leaks	Replace pump
	Blockage in air passage	Follow Procedure 3, "Blocked Passage in Air Line".

**REPLACEMENT PARTS FOR UG7500NG**

<b>DESCRIPTION</b>	<b>Part Number</b>
FLOW-THROUGH BRUSH	144-390
SPIGOT	KIT-SPIGOT75
UDP2TAB (2)	2" DIAPHRAGM PUMP
PEDAL VALVE	115-400BF
PEDAL VALVE, COMPLETE ASSEMBLY	780-4300

**REPLACEMENT PARTS FOR UG7500NGH**

<b>DESCRIPTION</b>	<b>Part Number</b>
FLOW-THROUGH BRUSH	144-390
SPIGOT	KIT-SPIGOT75
UDP4TA	4" DIAPHRAGM PUMP
UDP2TAB	2" DIAPHRAGM PUMP
780-4510	3 WAY BALL VALVE ASSEMBLY
PEDAL VALVE	115-400BF
PEDAL VALVE, COMPLETE ASSEMBLY	780-4300

## TROUBLESHOOTING PROCEDURES

### PROCEDURE 1

#### Blocked Fluid Passage In Diaphragm Pump

If the pump sounds like it is working but liquid does not flow, clear the fluid passage 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 call your local dealer.

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 foot pedal.



### PROCEDURE 2

#### 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.



### PROCEDURE 3

#### 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.

## 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 on-site. 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.**