



GWMA 500



ACCESSORIES INCLUDED / OPTIONAL

- ✓ Air blow gun
- ✓ Adapter tubes and fitters
- ✓ Trigger holding clamp
- ✓ Exhaust for solvent fume extraction
- ✓ Blue Filter kit (optional)
- ✓ Instruction Manual



- Warranty
- Safety

- Operation
- Service Parts

- Accessory Information
- Registration Form

Part # 350500

CE  II 2G T6

INSTRUCTION MANUAL

2018-09-20

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SETTING THE MACHINE UP

PLEASE NOTE

We advise using an air, dirt and water trap filter at the air inlet at the cleaner. This will protect the valves and cylinder from dirt and water contamination.

It is possible to obtain 100/150 gun washes from a 5 gal drum of solvent but results may vary upon how much paint material is left in your spray gun cup. We recommend regular changing of the solvent to ensure absolute cleanliness of your spray gun.

- Position machine in a well ventilated area. The extraction outlet will accept 3" hose and should be connected to an existing system or taken to the external part of a building and vented via the atmosphere.
- Connect the machine to the air supply. All air connections are located on the right hand side of the machine when viewed from the front.
- Connect earth wire on rear of machine to suitable earthing point.

Air Supply Pressure: 76 to 100 psi. Thread size: 1/4" NPT

MAINTENANCE SCHEDULE

Frequency	EVERY MONTH
Action	<ul style="list-style-type: none"> • Add two drops of air tool oil into the air side of the two pumps inside the machine. • Check the dirt and water trap and empty when necessary. DO NOT ALLOW THIS TO FILL AND BLOCK.

Frequency	EVERY 1 - 3 MONTHS
Action	<ul style="list-style-type: none"> • Change the paint trap filter depending of contamination found under the work screen in the cleaning tank.

Frequency	EVERY 6 MONTHS
Action	<ul style="list-style-type: none"> • Change the little blue filter cartridge (in line filter) or sooner depending on contamination; find the little blue filter in the base of the machine.

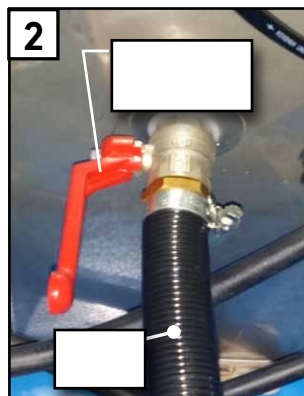
INSTALLATION OF CONTAINERS

WARNING
DO NOT SMOKE OR USE OPEN FLAME NEAR CABINET.

In order to use the clean rinse feature, you will need one 5 gal drum and one 1.3 gal empty container.

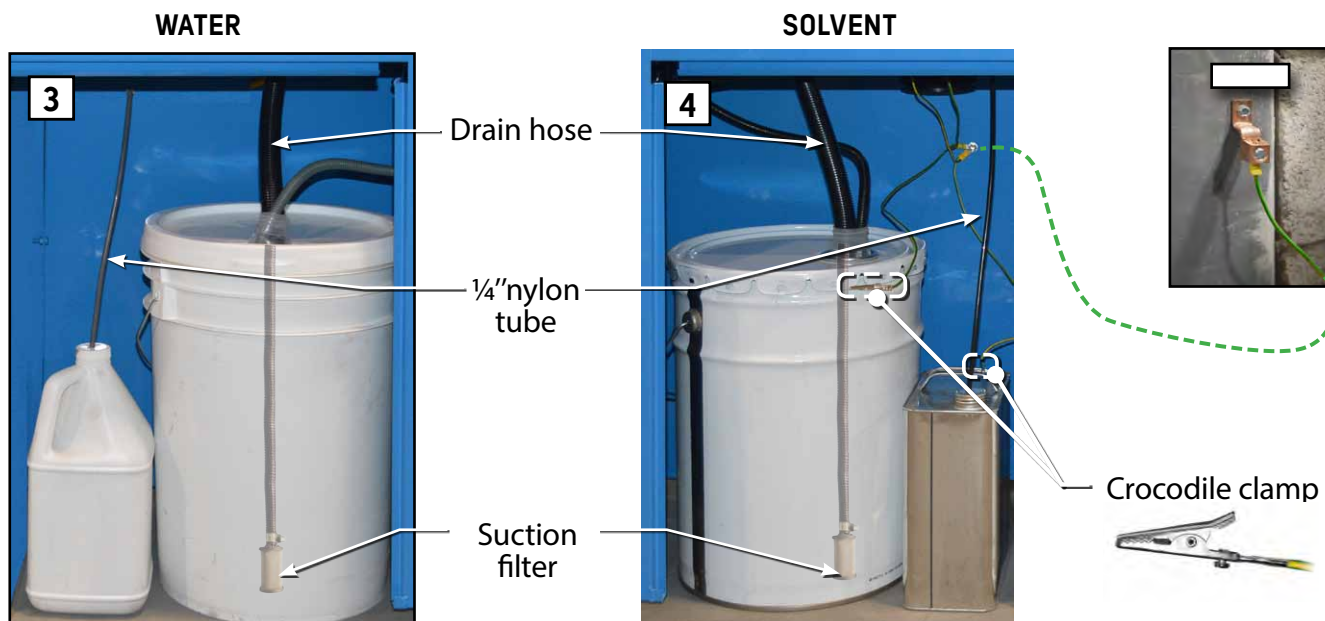


1. Fill a 5 gal drum with clean solvent or water, For waterborne cleaning, add 1 x 3.4 oz bottle of water-based cleaner in the drum
2. Transfer 1.3 gal of cleaning fluid from the drum into the 1.3 gal container [1]



3. Locate the drain valve lever under the machine and turn lever to vertical position [2]

4. Insert hose with suction filter into the 5 gal drum and enter drain tube [3-4].
5. Push the 5 gal drum under machine aligning filler neck with bottom part of flexible hose [3-4].
6. Place the full 1.3 gal container under the centre of the machine next to the 5 gal drum and insert the black ¼" nylon tube [3-4].
7. For solvent-based cleaning, installation of ground wire is required. Connect ground wires equipped with crocodile clamp located inside the machine to any metal solvent containers if used. The machine must also be grounded on a metal structure using the green ground wire located at the back as shown on the picture below [3].



EXHAUST INSTALLATION

All exhaust have been removed for shipment.

Solvent Cleaning Setup

By default, the washer is set for solvent cleaning. The ventilation fume extraction system will activate upon opening of the lid to prevent users from being exposed to solvent fumes. **(Fig.2-3)**

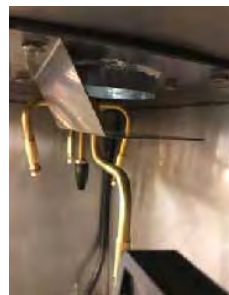


Waterborne Cleaning Setup

To set up the washer for waterborne cleaning, simply replace the air nozzle with the cap. This will disable the ventilation system and reduce power consumption and maintenance costs of the washer.

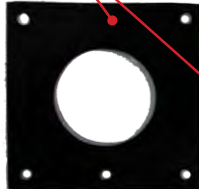


Mount exhaust as shown in this picture, dome nuts and spring washers on the top of the tank.



Inside the tank fit the neoprene gasket in between the exhaust and tank and fit the baffle last.

Gasket & hardware
Fig. 1



Exhaust pipe



1. Fix the exhaust pipe on top of the cabinet using supplied hardware and gasket **(Fig.1)**.

Fig. 2

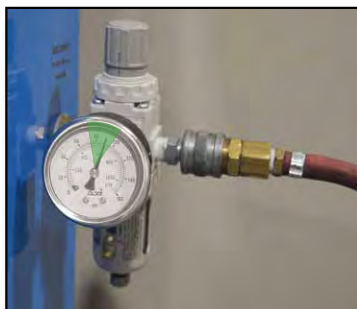
Fume extraction air jet



Air hose

2. Insert the ventilation fume extraction air jet inside the exhaust pipe **(Fig.2-1)** and fix it to the air hose using a flat wrench **(Fig.2-2)** until it is firmly screwed in place **(Fig.2-3)**.

AIR INLET CONNECTION



We strongly recommend using a dirt / water trap and an air pressure regulator when using your GWM 300.

The pressure regulator and filter should be installed on the compressed air inlet of the cleaner as shown in the picture.

The air pressure should be set between **76 and 100 psi**.

AIR EXHAUST INSTALLATION



Evacuate fume outside of the building or link the exhaust to the building air evacuation system using a 3" flexible aluminum duct.

No additional ventilation system required.

AIR INLET CONNECTION



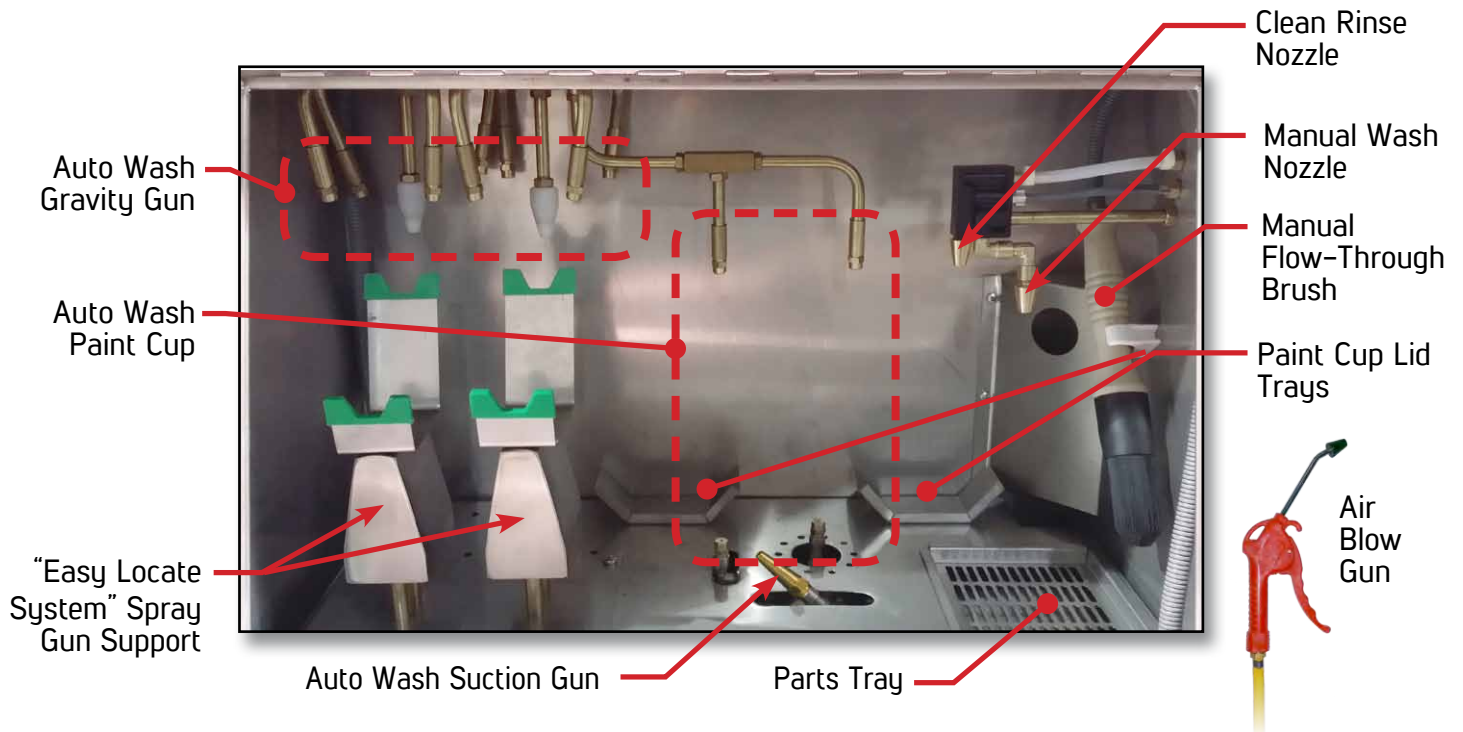
We strongly recommend using a dirt / water trap and an air pressure regulator when using your GWMA500.

The pressure regulator and filter should be installed on the compressed air inlet of the cleaner as shown in the picture.

The air pressure should be set between **76 and 100 psi**.

USING THE MACHINE : OPERATION

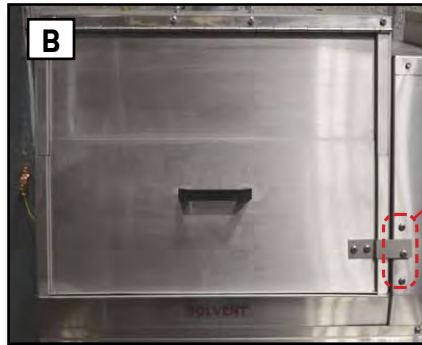
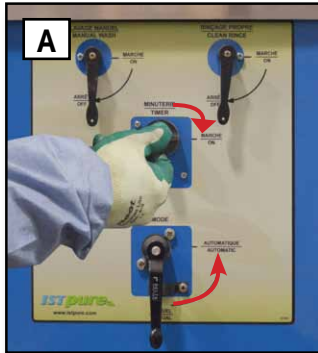
For the most efficient clean, ensure the spray gun and cup are emptied from any residual paint prior to use the GWMA 500 cleaner. We recommend to keep a waste paint drum beside the machine to reclaim waste paint.



PLEASE NOTE
For best results spray guns should be cleaned as soon as possible after use.

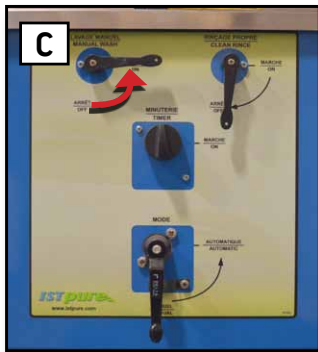
OPERATING THE CLEANER

AUTOMATIC WASH



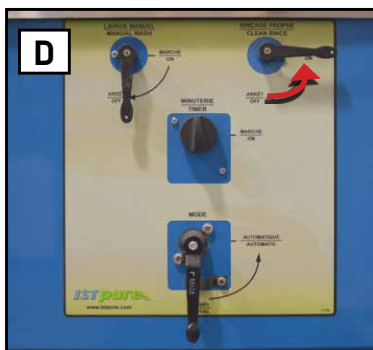
Close the lid, turn the wash MODE selection valve to AUTOMATIC and turn the timer knob clockwise to start the cycle (A). The cleaning process will stop automatically after 60 seconds. The lid of the cleaning station must be closed in order to deactivate the security system (B).

MANUAL WASH - USED SOLVENT/WATER

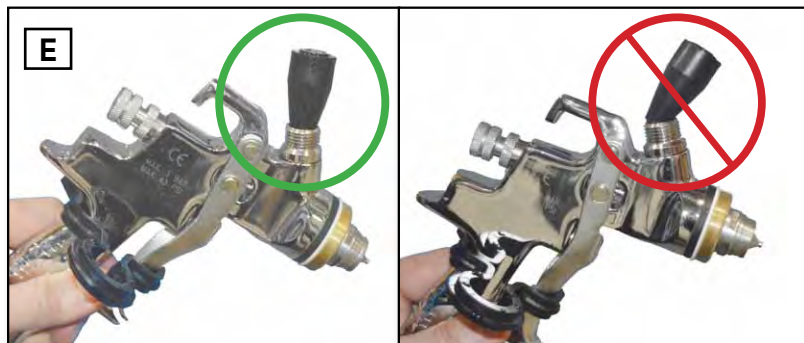


Turn the Wash Mode selection valve to Manual Wash and turn the Manual Wash valve to the horizontal position (C).

RINSING WITH CLEAN SOLVENT/WATER



Turn the Wash Mode selection valve to Manual Wash and turn the Clean Rinse valve to the horizontal position (D).



For an efficient cleaning, ensure the spray gun is well positioned under the cleaning nozzle (E).



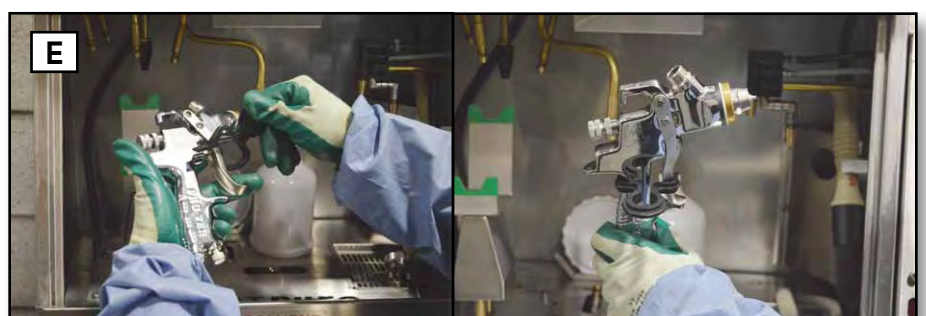
AUTO WASH - GRAVITY SPRAY GUN

A prewash of the spray gun interior and exterior is strongly recommended prior to run an auto wash cycle. Refer to the manual wash process at page 10 of the manual.

1. Empty the paint cup and remove it from the spray gun (A).
2. Remove the air cap and disassemble small parts from the spray gun (B).
3. Blow air through the spray gun to remove any residual paint inside (C).



3. Place the paint cup on the nozzle and the lid on the tray as indicated on the picture (D)
4. Lock the trigger using the trigger clip (E).



5. Position the spray gun onto the "Easy Locate System" cradle. Push down the cradle with one hand (F), make sure the spray gun inlet is correctly positioned under the cleaning nozzle (G), and release the cradle to lock the spray gun in place (H).



6. Start AUTO WASH (see page 7, image A)



AUTO WASH - SUCTION SPRAY GUN

A prewash of the spray gun interior and exterior is strongly recommended prior to run an auto wash cycle. Refer to the manual wash process at page 10 of the manual.

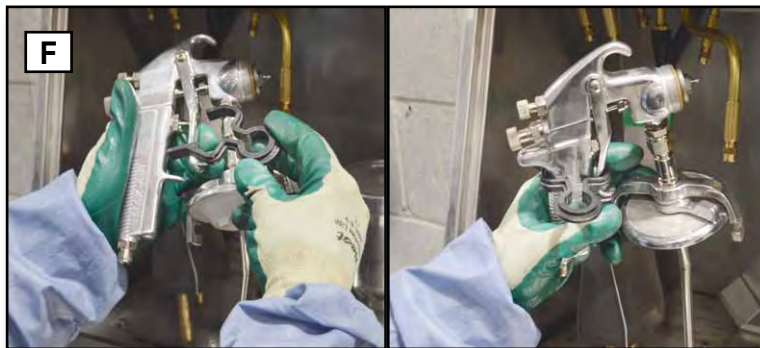
1. Remove the cap of the inclined nozzle using an Allen key (A)
2. Fix the tapered nozzle on thread using a wrench or a flat spanner (B)



3. Remove the paint cup and empty residual paint in a waste container (C).
4. Remove the air cap and disassemble small parts from the spray gun (D)
5. Empty residual paint from spray gun in a waste container (E).



6. Lock the trigger using the trigger clip (F).
7. Mount the spray gun supply tube onto the tapered nozzle and the paint cup on the nozzle as indicated on the picture (G).



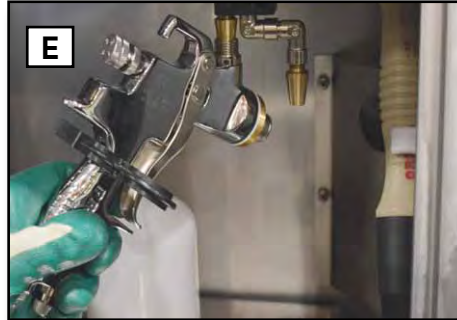
6. Start AUTO WASH (see page 7, image A)

MANUAL WASH

1. Start MANUAL WASH (see page 7, image C)
2. Use the manual flow-through brush to clean the surface of the spray gun (A), the paint cup (B) and other disassembled parts (C).



3. Position the spray gun under the lower tap for cleaning with used solvent/water (D).
4. Start CLEAN RINSE (see page 7, image D) and position the spray gun under the higher tap for rinsing with clean water/solvent (E).



AIR BLOW DRY

Dry thoroughly the spray gun (A), the cup (B) and other disassembled parts (C) using the air blow gun.



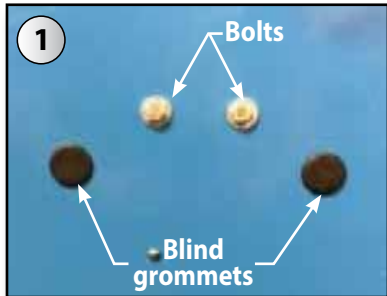
OPTIONAL BLUE FILTER



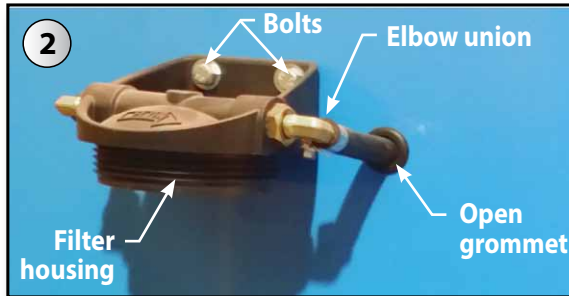
« BLUE FILTER » FILTRATION SYSTEM

The optional inline filtration system “Blue Filter” enhances the cleaning performance of the washer, increases its life span, lower its maintenance, and reduces wastes by filtering out paint solids from washing fluid.

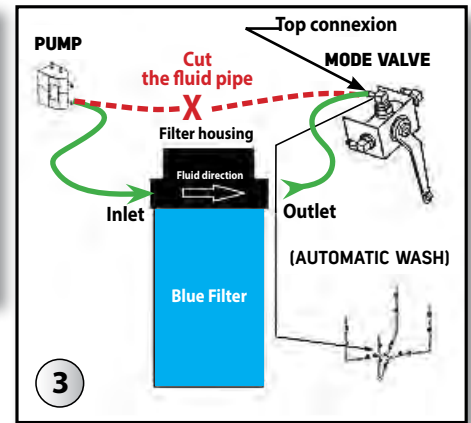
INSTALLATION



Filter mounting right hand



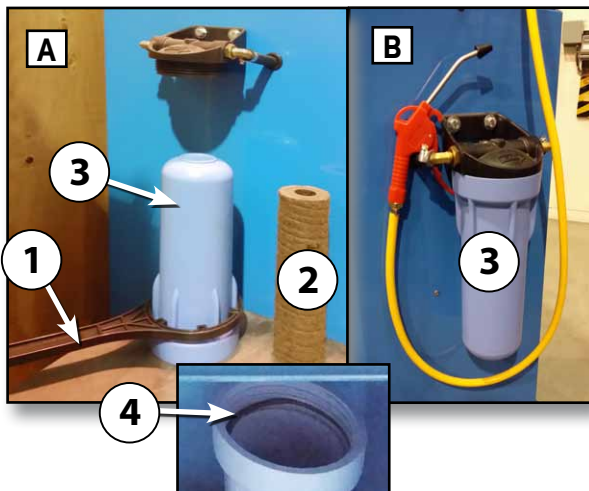
Fitting the filter housing



- Fit the elbow unions to the filter using a suitable thread sealant
- Remove the blind grommets and replace with the open grommets ①
- Unfasten the bolts
- Fit the filter housing and fasten the bolts ②
- Locate the fluid pipe between the pump and the selection mode valve
- Cut the fluid pipe ④ leaving sufficient length to reach from the pump to the filter and from the filter to the mode valve ③
- Connect the pipe from the pump to the inlet of the filter using hose clamp (not supplied by IST) ③
- Connect the pipe from the mode valve to the outlet of the filter using hose clamp (not supplied by IST) ③



REPLACEMENT OF THE OPTIONAL "BLUE FILTER" CARTRIDGE





- Take the cartridge key (1) and gently unscrew the blue cap off the filter.
- Remove the old cartridge and place a new one (2) into the blue cap (3).
- Ensure the O-ring seal (4) is properly in place and screw the blue cap on the thread and screw it firmly in place using the cartridge key.
- The cartridge (3) must be in place as shown on the picture B.

HEALTH & SAFETY DATA SHEET

PRODUCT NAME USES	Removal of paint from paint spray guns, cups and hoses.
GENERAL PRECAUTIONS	<p>Before operating this spray gun washer, operators must be familiar with the correct operating procedures as detailed in the manufacturer’s Instruction Manual.</p> <p>Do not tamper with the safety lid switch, which prevents the unit operating in the cleaning mode when the lid is open.</p> <p>Close drain valve and close lid when the unit is not in use. All solvent should be drained from the cleaning tank before closing the drain valve.</p> <p>Inspect solvent storage compartment daily to ensure there is no leaks from the solvent containers.</p> <p>Replace solvent filter pad frequently (bimonthly replacement of the filter pad is recommended)</p> <p>Always disconnect the air source before performing maintenance tasks.</p>
FIRE HAZARDS	<p>Do not smoke or use other ignition sources near the cabinet. E.g. no hot work, such as welding.</p>
HEALTH HAZARDS	<p>The cleaning solvent used will contain substances hazardous to health, typically acetone, methanol, white spirit, xylene and toluene. Air monitoring carried out with a recommended cleaning thinner has shown that concentrations do not exceed exposure limits. Levels were less than 50% of the mixed short-term exposure limit when the lid was open for removal of the spray gun, cups and hoses and just 6% of the limit during the cleaning cycle. Substances in the solvent however can be absorbed through the skin, see personal protection equipment.</p>
VENTILATION	<p>A local exhaust ventilation system as supplied with the machines, should be installed so that vapours are safely vented to atmosphere away from windows and other air inlets.</p>
PERSONAL PROTECTION EQUIPMENT	<p>Suitable gloves must be worn when replacing and removing spray guns from the cleaning machine. Most glove manufacturers recommend Nitrile gloves for the solvent xylene and toluene, which can be absorbed through the skin.</p>
WASTE DISPOSAL	<p>Waste solvent must be removed by a registered carrier to a disposal or recovery facility licensed to receive waste solvent.</p>
EMERGENCY ACTION	<p>FIRE In case of fire, use a form of dry powder extinguishing agent. Cool solvent drums exposed to fire with water spray.</p> <p>FIRST AID Eye contact with solvent– irrigate with clean water. Skin contact with solvent remove contaminated clothing, wash skin thoroughly with soap and water. Excess inhalation of solvent vapours – Remove to fresh air, seek medical attention</p> <p>Accidental Ingestion – Do not induce vomiting, seek medical attention.</p> <p>SPILLAGE OF SOLVENT Contain and collect with non-combustible materials E.g. sand and earth. Do not allow to enter drains. Exclude sources of ignition. Ventilate area.</p>

PARTS AVAILABLE

AIR INLET

Description	Pressure Gauge	¼" Pressure Regulator with filter
Product No.	311002	324562
Visual		

INSTALLATION FITTINGS

Description	3" Angle Flange	3" Angle Flange Flat	6" to 5" Reducer	3" Flange Flat	5" to 3" Reducer
Product No.	324468	324469	324470	324471	324472
Visual					

TECHNICAL SPECIFICATIONS	
Washing Station(s)	1 Manual / 1 Automatic
Washing Station Capacity	2 Paint Guns / 2 Cups
Dimensions (H x W x D)	60" X 28" X 15 ¾"
Weight	126 lb
Air input	76/100 psi
Air input connection	¼" NPT
Warranty Parts / Pump	2 years / 5 years
Product No.	350500

ISTPURE LIMITED WARRANTY

IST warrants all equipment led in this manual which is manufactured by IST and bearing its name, to be free from defects in material and workmanship on the date of sale by an authorized IST distributor to the original purchaser for use. Notwithstanding any special, extended or limited warranty published by IST will, for a period of TWENTY (24) months from the date of sale, and SIXTY (60) months from the date of sale for the pump to repair or replace any part of the equipment determined by IST to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with IST's written recommendations.

This warranty does not cover, and IST shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-IST component parts. Nor shall IST be liable for malfunction, damage or wear caused by the incompatibility with IST equipment with structures, accessories, equipment or materials not supplied by IST, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by IST.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized IST distributor for verification of the claimed defect. If the claimed defect is verified, IST will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser, transportation prepaid. If the inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

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IST's sole obligation and the buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought forward within one (1) year of the date of sale.

IST MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH ACCESSORIES, EQUIPMENT, MATERIALS OR COMPONENTS SOLD BUT NOT MANUFACTURED BY IST. These items sold, but not manufactured by IST (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. IST will provide the purchaser with reasonable assistance in making any claim for breach of these warranties.

LIMITATION OF LIABILITY

In no event will IST be liable for indirect, incidental, special or consequential damages resulting from IST supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of IST, or otherwise.

Report all accidents or "near misses" which involve IST products to :
- Technical Assistance

The following items are not covered under the IST warranty policy :
- Parts or chassis replacement due to normal wears.

Report all accidents or negligence involving IST products to our Service Department :

1 877 629-8202

ABOUT THE COMPANY

WHO WE ARE

IST is a leading industrial manufacturer of standard and custom engineered equipment for the surface treatment industry and the solvent recycling industry.

MISSION

IST is dedicated to being an innovative and trusted supplier in the conception, fabrication and distribution of surface treatment equipment and recycling equipment.

MARKETS SERVED

The products, technologies and industry expertise of IST are used in a wide range of manufacturing and industrial applications, including but not limited to :

- General Manufacturing
- Industrial Equipment
- Metal forming
- Aerospace and Aviation
- Rail and Transit
- Marine
- Automotive
- Petroleum
- Flexography (Labeling) & Lithography
- Wood finishing
- Power & Energy
- Pharmaceutical

