

Solvent Based Spray Gun Cleaner Operating Instructions

UGC2005
UGC2005M
UGC3005
UGC4005
UGC5005



What it should come with

105 - Grid Filter x 1
128 - Work Screen x 1
2050 - Quick Release Coupling x1
736 - Hook x 1
2030 - Extended Nozzle Kit includes x 2

UGC5005 ONLY
105 - Grid Filter x 2
128 - Work Screen x 2
2050 - Quick Release Coupling x 2
2030 - Extended Nozzle Kit x 4
736 - Hook x 2

Also available:



786 - Air, Dirt & Water trap
783 - Nipple



FD3 3" Flexi Ducting



Gate Valve 803

Installation fittings:



FRA3 3" Angle Flange



FR3 3" Angle Flange Flat



F6R5 6" to 5" Reducer



FF3 3" Flange Flat



F5R3 5" to 3" Reducer

We also recommend:



Solvent Recycler



Paint Can Crusher



Paper Compactor

Setting the machine up

PLEASE NOTE: It is advised that an air, dirt and water trap filter is fitted (786 as shown on the front page). This will protect the valves and cylinder from dirt and water contamination.

It is possible to obtain 100/150 gun washes from a 25 litre drum of solvent but this is dependent upon how much paint material is left in your spray gun pot. We recommend regular changing of the solvent to ensure absolute cleanliness of your spray gun.

- 1** Position machine in a well ventilated area. The extraction outlet will accept 3" (75mm) hose and should be connected to an existing system or taken to the external part of a building and vented via the atmosphere. Hose and a range of adaptors are available direct from Unic International.
- 2** The machine will take 20, 25 or 30 litre solvent containers. When installing 25 & 30 litre containers we advise that you raise the adjustable corner legs.
- 3** 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.
- 4** Connect earth wire on rear of machine to suitable earthing point.

Air Supply Pressure: 40 to 90 PSI. 2.75-6.9 bar, 3-kg / cm².
Thread size: 1/4" BSP

The Unic range of Gun Cleaning Machines are Category 2 equipment that is suitable for Apparatus Groups (Gas groups) IIA, IIB and IIC, with a temperature class of T6.

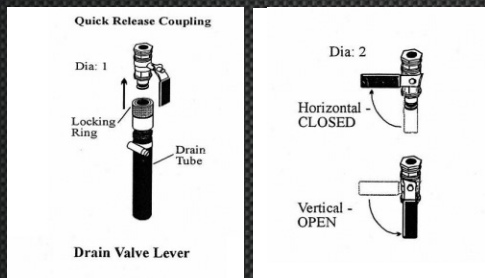
Installation of containers

WARNING: DO NOT SMOKE OR USE OPEN FLAME NEAR CABINET.

UGC4005 ONLY Take 1 x 25litre drum of clean solvent, remove 5 litres and fill an empty 5 litre container.

UGC5005 ONLY Take 2 x 25litre drum of clean solvent, remove 5 Litres from each drum and fill 2 x empty 5 litre container.

- 1** Disconnect quick release coupling by lifting the locking ring and bring outside of machine (See Diagram 1).
- 2** Insert hose with suction filter into drum of solvent and enter drain tube.
- 3** Push solvent container/s under machine aligning filler neck with male part of quick release coupling.
- 4** Reconnect quick release coupling.
- 5** UGC4005/UGC5005 ONLY Place the full 5 litre container under the centre of the machine next to the 25 litre drum of solvent and insert black 6mm nylon tube with wire clip in to the full 5 litre container (Repeat this step for UGC5005).
- 6** Turn drain valve lever to vertical position (see diagram 2).
- 7** Underneath the machine at the rear are the earthing wire(s), the crocodile clip(s) must be attached to any metal solvent container(s) if used (these are not supplied by Unic international).



MAINTENANCE CHECK:

Grid Filter:

It is recommended that the Green Grid Filter inside the tank under the Work Screen is changed once a month.

Suction Filter:

It is recommended that the Suction Filter be cleared thoroughly every time the cleaning fluid is replaced.

Please note:

If the Suction Filter is damaged or removed, the Pump Warranty is void.

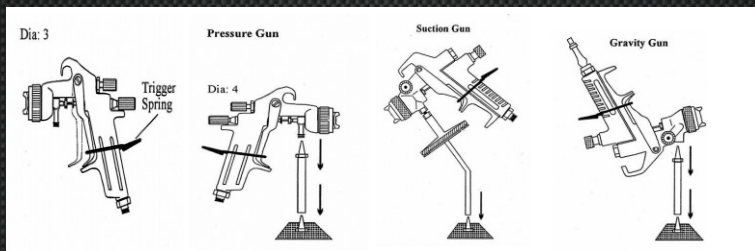
Lubrication:

The air valve is lubricated at the factory and designed to operate without additional lubrication. If added lubrication is desired, every 500 hours of operation (or monthly) Remove the hose from the pump air inlet and add two drops of machine oil to the air inlet.

Using the machine

Please Note: For best results spray guns should be cleaned as soon as possible after use.

- 1** Any paint left in cup/pot should be emptied into a waste container or stored for future use.
- 2** Place paint cup/pot into machine over the top pair of square nozzle jets.
- 3** The air cap of the spray gun can either be loosened or removed completely and put into machine.
- 4** Fit the trigger clip to trigger of spray gun. See Diagram 3.
- 5** Put spray gun into machine. See Diagram 4.
- a** If using a suction spray gun fit directly onto taper nozzle
- b** If using a gravity or pressure spray gun use a nozzle extension.



- 6** Close lid.
- 7** **UGC4005 and UGC5005 ONLY**
Ensure mode valve control lever is in the automatic position (horizontal).
- 8** Turn timer knob clockwise (The machine will run automatically for approximately 4 minutes).
- 9** Upon completion open the lid and remove the spray guns from the machine. We advise that you **DO NOT** store the spray guns in the machine.

WARNING:

- THE LID IS LOCKED DURING OPERATION FOR YOUR SAFETY
- THE LOCK MUST NOT BE REMOVED
- TO UNLOCK SWITCH OFF THE MACHINE

MANUAL WASH/ CLEAN RINSE
UGC4005, UGC5005 and UGC2005M.

For UGC2005M Manual Wash and Clean Rinse begin this process at step two 'Open lid of machine'.

MANUAL WASH

- 1** Turn Mode Control Valve on the front of machine to Manual Mode.
- 2** Open lid of machine.
- 3** Turn Manual Wash lever to the 'ON' Position and clean solvent will flow from central block and washing brush
- 4** Proceed to wash spray gun manually.

CLEAN RINSE

- 1** Repeat steps one and two listed above
- 2** Turn Clean Rinse lever to the 'ON' Position and clean water will flow from central block.
- 3** Rinse the spray gun.

Unic International (UK)

Health & Safety Data Sheet

Information supplied in accordance with section 6 of the health and safety at work etc. Act 1974

PRODUCT NAME USES	UNIC POWERCLEAN SPRAY GUN CLEANING UNIT. Removal of paint from Spray guns, cups and hoses.
GENERAL PRECAUTIONS	<p>Before operating Powerclean Spray Gun Cleaning System, operators must be familiar with the correct operating procedures as detailed in the manufacturer's Operating 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	Do not smoke or use other ignition sources near the cabinet. E.g. no hot work, such as welding.
HEALTH HAZARDS	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 published by the Health and Safety Executive. 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.
VENTILATION	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. In accordance with the Control of Substances Hazardous to Health regulations 1988 the system should be maintained and undergo a thorough examination.
PERSONAL PROTECTION EQUIPMENT	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.
WASTE DISPOSAL	Waste solvent must be removed by a registered carrier to a disposal or recovery facility licensed to receive waste solvent.
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.</p> <p>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>
SUPPLIER INFORMATION	Unic International (UK)

Test Report

on emissions from Powerclean Spray Gun Cleaners

Table 3 - Solvent concentrations measured during the operation of a Unic Powerclean Automatic Spray Gun Cleaning Machines.

Solvent	Short Term Exposure Limit Ref: EH 40 1992	Monitoring Position 1 10cm above the unit during normal operation. Lid closed. Ventilation off.	Monitoring Position 2 10cm above the unit when the cycle had finished. Lid open. Ventilation on.	Monitoring Position 3 ^{*a} inside the enclosure when the cycle had finished. Lid open. Ventilation on.
Acetone	1500 ppm (10 min. TWA)	Less than limit of detection	50ppm	50ppm
Propan - 2 - OL	500 ppm (10 min. TWA)	Less than limit of detection	Less than limit of detection	Not measured
Propyl Acetate	250 ppm (10 min. TWA)	Less than limit of detection	Less than limit of detection	Not measured
Butyl Acetate	200 ppm (10 min. TWA)	Less than limit of detection	30ppm	10ppm
Xylene	150 ppm (10 min. TWA)	Less than limit of detection	20ppm	150ppm
Toluene	150 ppm (10 min. TWA)	3ppm	10ppm	60ppm
White Spirit	720mg/m3 (10 min. TWA)	30mg/m3	75mg/m3	100mg/m3
% of mixed exposure limit *b	100% (10 min. TWA)	6%	49%	156%

***a** This monitoring position was outside the operator's breathing zone. Measurements were taken to establish the effectiveness of the ventilated enclosure.

***b** Exposure limits are generally for single compounds. Where there is reason to believe that effects are additive a mixed exposure is assessed using the formula: $C1/L1 + C2/L2 \dots < 1$ where C1 etc. are the measured concentrations and L1 etc are the corresponding exposure limits.



Declaration of Conformity

Model: _____ UGC2005/2005M/3005/4005/5005 _____

This product complies with the following
European Community Directives:

2006/42/EC Machinery Directive

The following standard was used to verify compliance with the
directives:

EN13463-1:2009

Note: Checked requirements of harmonized standards
Certified to Atex standards.

Certificate number: SIRA 03ATEX5252

EC Notified Body: not applicable

Approved By: _____ Date: _____

Director (Signed)

_____ Date: _____

Director (Printed)

Model: UGC2005
Air Input: 40/90 PSI - 2.75/6 Bar
Air Consumption: 1/2 CFM: 28/56 L/min
Air Input Connection: 1/4" B.S.P
Year of manufacturing: 2013/14
Height: 1020mm
Width: 440mm
Depth: 475mm
Weight: 28kg
Directive 94/9/EC.Marking: Ex II 2G T6
Certificate Number: SIRA 03ATEX5252

Model: UGC2005M
Air Input: 40/90 PSI - 2.75/6 Bar
Air Consumption: 1/2 CFM: 28/56 L/min
Air Input Connection: 1/4" B.S.P
Year of manufacturing: 2013/14
Height: 1020mm
Width: 440mm
Depth: 475mm
Weight: 28kg
Directive 94/9/EC.Marking: Ex II 2G T6
Certificate Number: SIRA 03ATEX5252

Model: UGC3005
Air Input: 40/90 PSI - 2.75/6 Bar
Air Consumption: 1/2 CFM: 28/56 L/min
Air Input Connection: 1/4" B.S.P
Year of manufacturing: 2013/14
Height: 1020mm
Width: 555mm
Depth: 350mm
Weight: 31kg
Directive 94/9/EC.Marking: Ex II 2G T6
Certificate Number: SIRA 03ATEX5252

Model: UGC4005
Air Input: 40/90 PSI - 2.75/6 Bar
Air Consumption: 1/2 CFM: 28/56 L/min
Air Input Connection: 1/4" B.S.P
Year of manufacturing: 2013/14
Height: 1020mm
Width: 710mm
Depth: 350mm
Weight: 47kg
Directive 94/9/EC.Marking: Ex II 2G T6
Certificate Number: SIRA 03ATEX5252

Model: UGC5005
Air Input: 40/90 PSI - 2.75/6 Bar
Air Consumption: 1/2 CFM: 28/56 L/min
Air Input Connection: 1/4" B.S.P
Year of manufacturing: 2013/14
Height: 1020mm
Width: 845mm
Depth: 445mm
Weight: 57kg
Directive 94/9/EC.Marking: Ex II 2G T6
Certificate Number: SIRA 03ATEX5252



Information Request Form

Please send information on:

(please tick appropriate box)

Mini Spray Gun Cleaners

Can Crushers

Paint Can Washers

Paint Can Shakers

Brake Washer

Parts Washer

Solvent Recycler

Spares

Service Information

Other Comments:

Please send this information to:

Name:

Address:

Email:

Telephone:

Fax:

Warranty Conditions

UGC2005/UGC2005M/UGC3005/UGC4005/UGC5005

Solvent Based Spray Gun Cleaner

- 1 Subject to the other Warranty Conditions the Company
 - 1.1 Warrants that upon delivery, and for a period of 12 months from the date of delivery of the spray gun cleaning machine ('the Machine'), the Machine shall:
 - (a) Be of satisfactory quality within the meaning of the Sale of Goods Act 1979; and
 - (b) Be reasonably fit for the purpose of cleaning spray guns;
 - 1.2 guarantees the pump forming part of the Machine against all mechanical defects arising from faulty workmanship or materials for five years from the date of purchase.
- 2 Subject to the other Warranty Conditions if the Machine is used only in the United Kingdom and the Customer has on purchase of the Machine entered into a 5 Year Service Agreement with the Company for the servicing of the Machine then whilst that 5 Year Service Agreement remains in force the Company guarantees the Machine against all mechanical defects arising from faulty workmanship or materials for five years from the date of purchase.
- 3 The guarantees in Warranty Conditions 1 and 2 do not extend to consumable components such as filters, jets and flow-through brush as specified in the manual for the Machine. The Buyer acknowledges that in normal usage these parts may from time to time require replacement.
- 4 The Company shall not be liable for a breach of any of the warranties in Warranty Conditions 1 and 2 if:
 - (a) the Buyer does not notify the defect to the Company and if so requested by the Company complete and send to the Company the Company's defect report form, and, if the defect is a result of damage in transit to the Buyer, within One day of the time when the Buyer discovers or ought to have discovered the defect; or
 - (b) the Company is not given a reasonable opportunity after receiving the notice to examining the Machine at the Buyer's premises (if in the United Kingdom) or the Buyer (if asked to do so by the Company) fails to return the Machine to the Company's place of business at the Buyer's cost for the examination to take place there, or
 - (c) the Buyer uses the Machine after giving notice of a defect; or
 - (c) the Buyer has failed to follow the Company's oral or written instructions as to the storage, installation, commissioning, use or maintenance of the Machine or (if there are none) good trade practice; or
 - (d) the Buyer alters or repairs the Machine (other than by replacing consumable items such as filters, jets and flow-through brush or such units as are intended to be replaced by the user as specified in the manual) without the written consent of the Company, or (f) any parts not supplied by the Company have been installed on the Machine, or
 - (g) the Buyer has not paid all sums due from the Buyer to the Company.
- 5 The Company shall not be liable for a breach of the warranty in Warranty Condition 2 if the Buyer has not fully complied with the provisions of the 5 Year Service Agreement
- 6 Subject to Warranty Conditions 4 and 5 if the Machine does not conform with the warranties in Warranty Conditions 1 and (if applicable) 2 the Company shall either send a replacement unit to the Buyer (where the unit to be replaced is intended to be replaced by the user as specified in the manual) or repair the Machine (or repair or replace the defective part). Any parts so replaced shall become the property of the Company and where a replacement unit is sent to the Buyer to be fitted by the Buyer the Buyer shall at its own expense return the unit so replaced to the Company. The Company may issue an invoice for any replacement units sent to the Buyer, which will be cancelled if the unit replaced is returned to the Company and found by the Company to be defective.
- 7 If the Company complies with Warranty Conditions 6 it shall have no further liability for a breach of any of the warranties in Warranty Conditions 4 and 5 in respect of the Machine.
- 8 Any repaired or replacement parts for the Machine shall be guaranteed on these Warranty Conditions for the unexpired portion of the relevant period specified in Warranty Conditions 1 and 2.
- 9 These Warranty Conditions are in addition to and do not replace any statutory rights that the Buyer may have under the Sale of Goods Act 1979 or otherwise.

OUTSIDE UK

Contact your local Flojet distributor. If unknown check their web site www.flojet.com for details.

Quote your date of purchase.

The machines are not user serviceable and Unic International or their authorised distributor should only carry out repairs.