

# AIR FORCE STATION

## OWNER'S MANUAL



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Carefully read these instructions before using the unit.

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**ENGLISH**

**USER'S MANUAL - ENGLISH**

# **Air Force for Water-Based Products**

**Thank you for choosing our Air Force Station.**

*(FOR INDUSTRIAL USE ONLY)*

This operations manual has been developed to provide you with all information on the Air Force station to ensure its proper use and operating order.

Please read carefully this instruction manual to learn about the proper functioning of your Air Force station before using this equipment. In this user manual, you will also find critical indications on how to avoid any problems as well as information on safety and maintenance of your Air Force station.

For all your questions, please contact us at:

Telephone:               1-888-JWALTER  
                                  1-888-592-5837

## GENERAL SAFETY GUIDELINES

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Before using this unit, please read carefully all instructions on safety and operation procedures. Keep this manual handy for future reference.

1. Read this instruction manual carefully to learn how to operate the unit and get to know its applications. Do not let any unqualified individual use or repair this unit.
2. Check the proper working order of this device before each use.
3. Damaged or defective parts should only be repaired or replaced by an authorized WALTER service centre or CARE technician, unless advised otherwise.
4. Use only original accessories.
5. Only use authorized products (See section: Chemical Compatibility) with unit. Follow safety guidelines for cleaning agent or degreaser used (see the safety data sheet and safety guidelines for reusable bottle and filling station).
6. Operate unit only with the appropriate pressure. (MIN: 90 PSI ; MAX: 125 PSI)
7. Use unit only in a well ventilated area.
8. Ensure that the incoming air in the machine is dry and oil-free. Install a coalescent filter, as required.
9. The pressurized air and the free pipes (not hooked on the structure) can cause severe injuries. Before changing accessories, perform repairs or to store the unit, **always shut off the supply of compressed air, depressurize the system and unplug the unit.** Never direct pressurized air towards you or someone else.
10. Ensure that the pipes are depressurized and drained before storing or moving the unit.

## CHEMICAL COMPATIBILITY

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Depending on the version used, Air Force station is compatible with the products shown in the following table. To facilitate station identification, a color code has been created:

<b>Chemical Product</b>	<b>Air Force Bottle</b>	<b>Air Force Station</b>
<b>AF-CLEAN</b>	<b>57B100</b> Blue label	<b>57D200</b> Blue door & dust cover
<b>AF-WELD</b>	<b>57B110</b> Red label	<b>57D210</b> Red door & dust cover

Use of any other products with the Air Force station can be harmful to the user.

## SPECIFICATIONS

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Maximum pressure 125 PSI (8.6 bar)

Operating pressure 90 -125 PSI (6 -8.6 bar)

Pressure inside the drum 3 PSI (0.2 Bar)

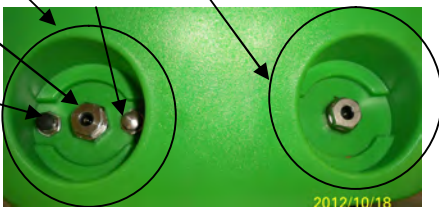
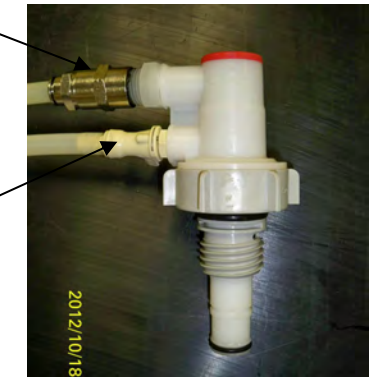
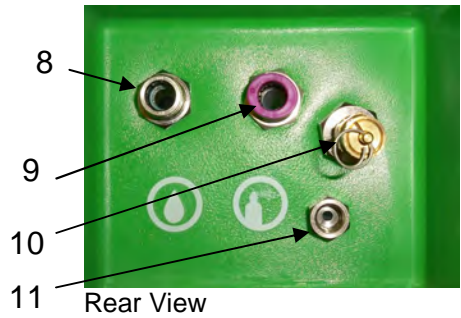
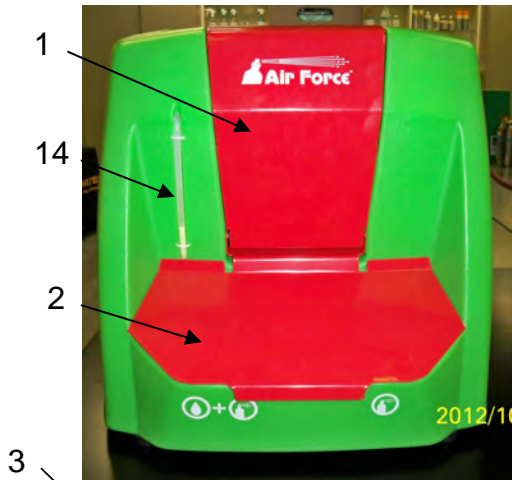
Filling capacity per cycle is approximately 300 ml (10.14 fl oz)

## PARTS IN THE BOX

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1. 1 x Air Force Station
2. 2 x Connecting hose
3. 1 x Drum coupler
4. 1 x Instruction manual
5. 1 x Checklist

# AIR FORCE STATION COMPONENTS



Pod View with Dust Cover Lifted

Drum Coupler

1. Front door
2. Dust cover
3. "Air + Liquid" filling pod
4. Filling valve
5. Bottle filling valve
6. Drum pressurization valve
7. "Air" filling pod
8. Liquid inlet from the drum
9. Pressurized air outlet to the drum
10. Pressure relief valve
11. Pressurized air inlet
12. Liquid outlet to the station
13. Pressurized air outlet from the station
14. Level indicator

## INSTALLATION

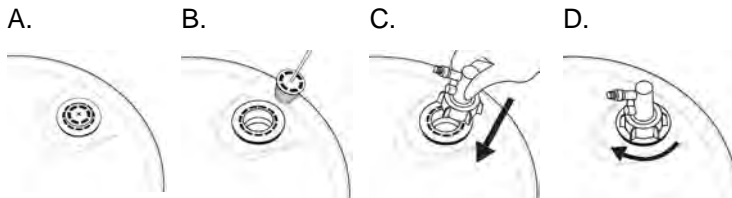
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### Station connection to pressurized air

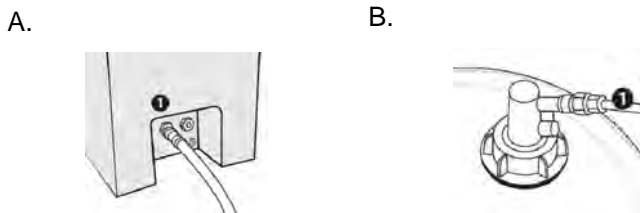
1. Unwrap the station and install it on a flat and leveled surface, away from direct sun exposure.
2. Check air pressure supply and adjust, as required. Do not exceed 125 PSI.
3. Ensure that the pressurized air that will be connected to the Air Force station is dry and oil-free. If necessary, use an air coalescent filter.
4. Install a quick connect fitting<sup>1</sup> on the pressurized air inlet (1/4" NPT) on the back of the station.
5. Connect the air line hose to the station.

### Connection of the station to the drum – Initial installation

1. Install the coupling on the drum



2. Connect one of the hose provided to the liquid inlet located on the left side behind the station. Connect the other end to the upper coupling connection installed on the drum.

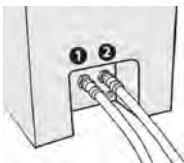


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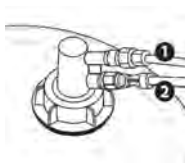
<sup>1</sup> Sold separately

3. Connect the second hose to the air outlet located on the right side behind the station. Connect the other end to the lower coupling connection installed on the drum.

A.

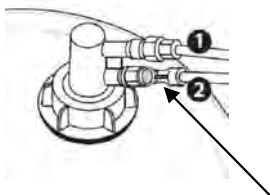


B.



## Replacing a drum

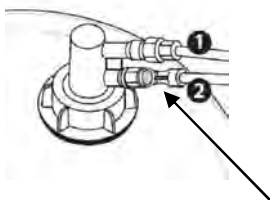
1. Disconnect hose #2 from the drum coupler.



2. When the pressurized air is removed, unscrew the drum coupler from the drum.

**Note:** Hose #1 must always be connected to the coupling.

3. Install the drum coupler on the new drum, in the proper opening (Refer to page 8)
4. Connect hose #2.



## FILLING PROCEDURE

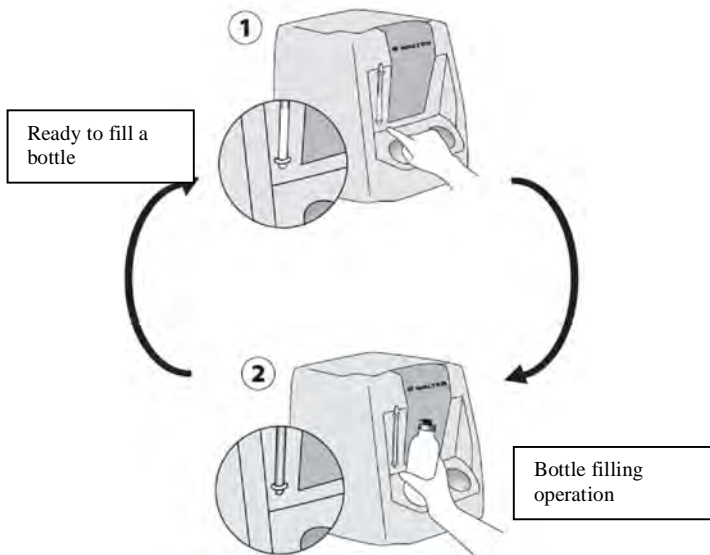
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Two buttons are located in the bottom of the “Air + Liquid” pod. Each one activates a valve. The left one pressurizes the drum (3 PSI) while the other activates the Air Force bottle filling system.

Before using the station for the first time, the drum must be pressurized. To do so, push the left button in the pod (first, hook the drum to the station). Airflow can be heard getting into the drum. When the drum is properly pressurized, the liquid inside the drum will be pushed in the tube up to the tank within the station. The Air Force station is ready to use when the level indicator indicates that the tank is full.

Ensure the bottle is tightly closed. Place the bottle in the left filling pod. Press firmly downward on the bottle and keep it in place. First, it will be filled with liquid (approximately 300ml) and then, with compressed air. When you stop hearing the airflow, the refillable Air Force bottle is full and ready to use.

During the filling operation, the liquid within the level indicator is sent in the bottle. Before filling another bottle, you must wait until you can see the liquid through the level indicator.



**Notes:**

- If there is still liquid left inside the reusable bottle, but no more pressure, simply add air by using the right-hand side filling pod.
- Pressurized air is sent in the drum every time a bottle is filled to keep the pressure constant. It is not necessary to pressurize the drum before every bottle filling.
- It is recommended to clean the bottom of the bottle before every filling to prevent accumulation of dust and dirt.

## PREVENTIVE MAINTENANCE

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To maintain the station in good operating order, proper maintenance must be performed.

1. The pods of the unit must be clean (no dust or dirt). It is recommended to clean the bottom of the bottle before each filling.
2. Check the station regularly to identify leakage or damaged components and replace defective parts, as needed.




This unit should benefit from the following periodical maintenance, performed by an authorized Walter service center or Care technician.

1. Used or damaged parts must be replaced.
2. The filling valve sealing nut must be replaced at least once a year or as required (repair kit 57-M 002).

### Notes:

- 1) The pressure in the drum is controlled by a pressure regulator which is inside the Air Force machine. The pressure regulator is adjusted to reduce the inlet pressure to 3 psi. All drums supplied by Walter Surface Technologies are certified to resist up to 10 psi.
- 2) For safety purposes, a pressure relief valve is installed on the low pressure line in the back of the Air Force machine. The pressure relief valve is adjusted at 5 psi. If the pressure in the drum would ever exceed 5 psi, the pressure relief valve would open and relieve any excess pressure build-up in the drum. **If ever you hear or see that the pressure relief valve is in the open position and relieving pressure while you are filling a bottle, shut off the supply of compressed air and contact the nearest service center in order to determine if the station is in proper working order.**
- 3) Please follow the safety procedures when handling chemical products. Refer to the WHMIS information and the WALTER product MSDS available on [www.walter.com](http://www.walter.com). Use only Walter products with this unit.
- 4) Use the automatic filling station only with reusable AIR FORCE<sup>MC</sup> refillable bottles designed for this unit.

## ACCESSORIES

<p>Set of spare valves 57-B 001</p>	
<p>Filling valve repair kit 57-M 002</p>	
<p>Powercloth 57-M 001</p>	

## WARRANTY POLICY

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All WALTER products are checked and inspected before shipping and are guaranteed to be free of any material or manufacturing defect. If a defect is noticed in the year following the initial purchase, return the complete unit prepaid with proof of purchase to the nearest authorized WALTER service centre. If verification reveals a material or manufacturing defect, WALTER will repair or replace the unit free of charge (as decided by WALTER).

This warranty is not applicable if a regular maintenance is required, if repairs or replacements were attempted by technicians other than those authorized by WALTER and it does not support damages due to accidents, the use of chemical products other than those sold by Walter, modifications, the use of improper accessories, the abusive usage or normal wear and tear, including using it while it is partially damaged. No other warranty, either written or verbal, is authorized.

WALTER will not, at any time, be held responsible for any indirect damage, incident or relevant to the sale of the product. This disclosure applies during and after the end of this warranty.

This warranty gives you specific rights. The conditions included in this warranty do not intend to limit, modify, withdraw, deny or exclude any warranty set out by the provincial or state legislations. In the prescribed measure, the provisions of any provincial or state law prevail on the conditions set in the current warranty.