



# HIGH CAPACITY AIR OPERATED PARTS CLEANING TANKS

MODEL NO: **SM221, SM223**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Wear protective gloves



Wear eye protection



Wear a mask



Wear protective clothing

## 1. SAFETY

- WARNING!** Ensure Health & Safety, local authority, general workshop practice regulations are adhered to when using this equipment.
- WARNING!** Installation site must be equipped with suitable fire extinguishers (water must not be used) and escape routes.
- WARNING!** Disconnect the air supply from the tank before changing accessories, servicing or performing any maintenance.
- ✓ Maintain the tank in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Locate the tank in a suitable work area. Ensure the tank stands on a firm, level surface. Keep area clean and tidy and free from unrelated materials. Ensure the area is well ventilated and has adequate lighting.
- WARNING!** Ensure specified air pressure is maintained and not exceeded.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use, and ensure that all connections are secure.
- WARNING!** This tank is recommended for use only with degreasing solvents suitable for air operated tanks. Ensure you follow makers instructions for solvent use.
- ✓ Ensure solvent flash point is above 140°F. We recommend you use Sealey solvent - contact your local dealer for details.
- ✓ Keep the tank clean. Remove and clean the suction filter regularly for best performance.
- WARNING! DO NOT SMOKE** and keep sources of ignition, such as heaters, lamps, etc., away from the unit, together with flammable or combustible materials, as there is an explosion risk.
- ✗ **DO NOT** modify or jam the parts washer lid open, as this will make the fusible fire link inoperative which is dangerous practice and will invalidate the warranty and your insurance.
- ✓ When cleaning parts ensure that nothing in the tank, including any parts basket, is in a position that would prevent the lid from closing fully if and when the fusible link activates.
- WARNING!** Wear approved safety eye protection, mask and gloves. If solvent gets on skin or in eyes wash thoroughly with water and take any other action as required by the solvent instructions.
- ✓ Remove ill fitting clothing, ties, watches, rings and other loose jewellery, contain long hair and wear appropriate protective clothing.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep non-essential persons away from the working area.
- ✓ In case of fire in tank, do not attempt to move unit or remove parts from tank. The lid has a fusible link and will close automatically, extinguishing the fire.
- ✓ Avoid accidental starting of the washer by ensuring the unit is disconnected from the air supply when not in use.
- ✗ **DO NOT** use the tank for any purpose other than for which it is designed.
- ✗ **DO NOT** operate the tank if any parts are missing or damaged as this may cause failure and/or personal injury.
- ✗ **DO NOT** over-fill the tank.
- ✗ **DO NOT** use air line to blow dry components in tank. Only use air gun supplied. **DO NOT** direct air gun at yourself or others.
- ✗ **DO NOT** leave the parts washer operating unattended.
- ✓ When cleaning is complete, ensure all controls are in the 'off' position and that the air supply is disconnected.
- WARNING!** It is operator's responsibility to ensure that there is no uncontrolled discharge of any fluids used with this unit and that appropriate arrangements have been made for correct disposal of waste in accordance with government / local authority regulations.

## 2. INTRODUCTION

Heavy-duty one-piece steel tank. Fitted with fully sealed and air operated pump unit. Turbo agitation bubbles air through fluid to reduce pre-soaking time and requires workshop air supply. Extra large capacity tank is suitable for cleaning sizeable engine components. Includes air blow gun for fast drying of workpiece. Lid of tank fitted with fusible link which automatically snaps lid shut in the event of a fire. Supplied with removable shelf and parts basket.

## 3. SPECIFICATION

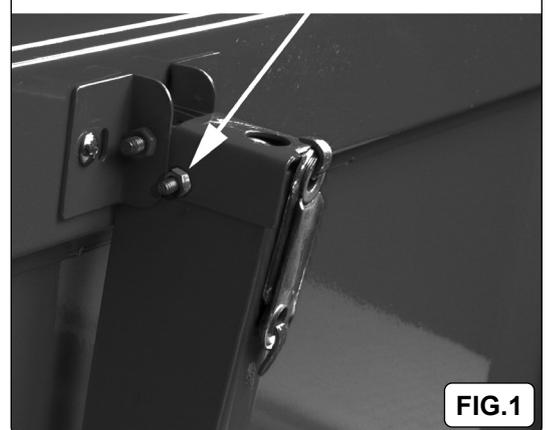
MODEL NO:	SM221	SM223
Max / Min Working Capacity:	55L / 45L	85L / 55L
Pump Output:	300ltr/hr	300ltr/hr
Operating Pressure:	65-125psi	65-125psi
Air Consumption:	8-10cfm	8-10cfm

Tank Width x Depth x Height:	890 x 510 x 265mm	1070 x 510 x 265mm
Air Inlet:	1/4" BSP	1/4" BSP
Weight:	35kg	42kg

#### 4. ASSEMBLY

- 4.1. Remove all parts from the carton and from inside the tank.  
**IMPORTANT:** You must remove the transit bolt from the lid stay (fig.1). The fire safety mechanism will not work if the bolt remains in place.
- 4.2. Lay clean cardboard on the floor to protect the tank paint work and carefully turn the tank upside down whilst holding the lid closed.
- 4.3. Assemble legs to the brackets on the bottom of the tank with screws and hex nuts, (hand tight only).
- 4.4. Set the lower shelf among the four legs and fix with screws and hex nuts. Level the shelf and tighten screws.
- 4.5. Now tighten the leg screws and carefully turn assembled unit up correct way onto its legs whilst holding the lid closed.
- 4.6. Position unit according to safety instructions in Section 1.
- 4.7. Open lid and place the pump control box through the rectangular hole on the side of tub.
- 4.8. Screw the 90° connector into the welded bolt on pump housing, then fit the flexible tube to the 90° connector.
- 4.9. Place the work shelf onto the welded supports inside the tank.
- 4.10. Check that the tank drain plug is correctly inserted and tightened.
- 4.11. Place the parts basket on work shelf. Check your installation to ensure the unit is ready for connecting to the air supply.

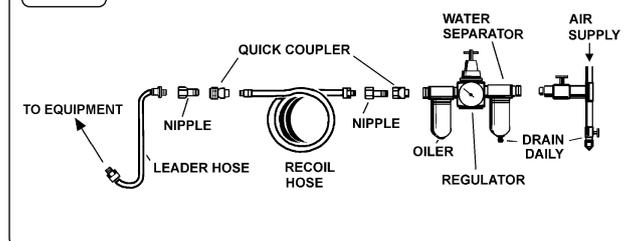
**IMPORTANT! Remove transit nut & bolt**



#### 5. AIR SUPPLY

- 5.1. Ensure that the tank air valve is closed before connecting the air supply.
- 5.2. An air pressure of 65-125psi and an available air volume of 8-10cfm will be required to operate the unit.
- **WARNING!** Ensure air supply is clean and does not exceed 125psi. Too high an air pressure and/or unclean air will shorten the product life due to excessive wear, and may be dangerous, causing possible damage and/or personal injury. Air supply must be equipped with regulator, water trap and oiler.
- 5.3. Drain the air supply tank daily. Water in the air line will damage the unit.
- 5.4. Clean the air supply filter weekly. For recommended hook-up, see fig.2 above.
- 5.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose internal diameter should be 10mm and fittings must have the same internal dimension.
- 5.6. Keep hose away from heat, oil and sharp edges. Check hoses for wear, and make certain that all connections are secure.
- 5.7. The air inlet connection is 1/4" BSP.

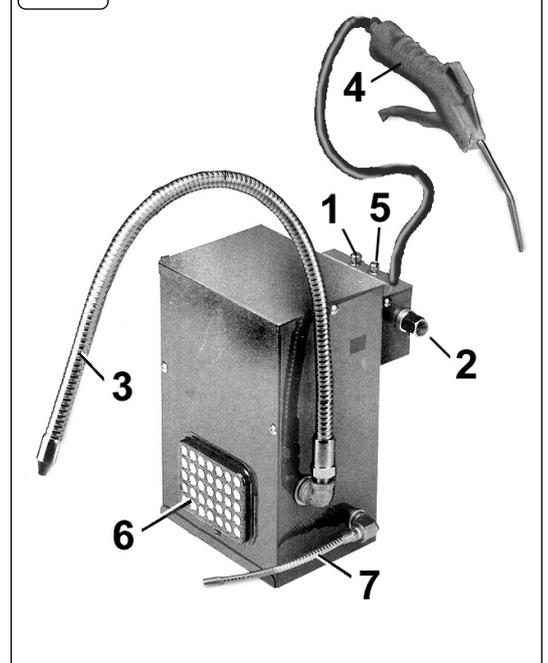
**FIG.2**



#### 6. OPERATION

- **WARNING!** Read and apply Section 1 safety instructions before using the cleaning tank.
- 6.1. Check the air regulator valve (fig.3.1) is off, and air inlet (fig.3.2) is disconnected from the air supply.
- 6.2. Fill the tank to appropriate capacity (See specifications) with Sealey solvent, or a general purpose degreaser (contact your local dealer for supply). **DO NOT** use any other type of solvent.
- **WARNING!** Ensure you follow any instructions provided with the solvent.
- 6.3. Connect washer to the air supply, aim flexible nozzle (fig.3.3) into tank and turn valve (fig.3.1) on. Check that solvent flows freely through the flexible nozzle.
- 6.4. Place parts to be cleaned into the cleaning basket. Direct spray nozzle onto parts. Ensure any splash back stays inside the tank, if not reposition the spray nozzle. Adjust the air flow valve (fig.1.1) so that the minimal amount of output is generated according to the task.
- 6.5. The supplied brush may be attached to the nozzle to assisted cleaning if required.
- 6.6. For stubborn and ground in marks, leave the parts to soak in the bottom of the tank. Place the turbo nozzle (fig.3.7) in the solvent and turn the turbo mode valve (fig.3.5) on. This will agitate the solvent and assist cleaning.
- 6.7. When parts are clean, turn off the pump and leave the parts to drain in the basket or on the shelf.
- 6.8. To assist drying the air blow gun (fig.3.4) may be used.
- 6.9. When complete turn the washer off and disconnect from the air supply. When cleaning parts ensure that nothing in the tank, including any parts basket, is in a position that would prevent the lid from closing fully if a the fusible link activates.

**FIG.3**



## 7. SOLVENT REPLACEMENT

- ❑ **WARNING!** It is operator's responsibility to ensure that there is no uncontrolled discharge of any fluids used with this unit and that appropriate arrangements have been made for correct disposal of waste in accordance with government/local authority regulations.
  - ❑ **WARNING!** Disconnect the air supply from the unit before changing accessories, servicing or performing any maintenance.
  - ❑ **WARNING!** Wear approved safety gloves, goggles, mask and suitable clothing.
- 7.1. To empty used solvent, loosen sediment in the bottom of the tank by use of the turbo mode, then open base plug to drain. Drain dirty solvent into an appropriate receptacle. Clean the inside of the tank and strainer before refilling with clean solvent.
  - 7.2. Store the used solvent in accordance with regulations.
  - 7.3. Wipe up any spillage immediately.

## 8. MAINTENANCE

- ❑ **WARNING!** Disconnect the air supply from the unit before changing accessories, servicing or performing any maintenance.
- 8.1. Keep the cleaning tank clean. Remove and clean the filter (fig 3.6) regularly for best and safest performance.
  - 8.2. Regularly check and top up the oil in the air supply oiler.
  - 8.3. Keep the outside of the unit clean.
  - 8.4. **DO NOT** modify or jam the parts washer lid open, as this will make the fusible fire link inoperative which is dangerous practice and will invalidate the warranty.



### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



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**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.

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