

Techcon Systems TS1254 1,8L PRESSURE TANK



## Techcon Systems TS1254 1,8L PRESSURE TANK User Guide

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**Techcon Systems TS1254 1,8L PRESSURE TANK**



## Product Information

### Specifications

- **Size:** 5(127mm) x 12.5(318mm)
- **Internal Chamber:** 4.75(121mm) I.D. x 6.5(165mm)
- **Weight:** 10.4 lbs (4.7kg)
- **Operating Pressure:** 70 psi (4.8 bar) max.
- **Standard Tube Size:** 1/4 OD (6mm); included with the unit
- **Optional Tube Size:** 0.157 OD (4mm); need to buy tubing kit part number = TS1252-4MM...Accessory kit 4mm fitting and tubing

## Product Usage Instructions

### Safety

#### Intended Use:

#### WARNING:

Use of this equipment in ways other than those described in this User Guide may result in injury to persons or property damage. Use this equipment only as described in this User Guide.

OK International cannot be responsible for injuries or damages resulting from unintended applications of its equipment. Unintended uses may result from taking the following actions:

This User Guide is designed to provide information about the OK International hardware. Every effort has been made to make this manual as complete and accurate as possible. There is no implied or expressed warranty as to the purpose, suitability, or fitness of the information. The information is provided on an as-is basis. OK International, Inc. reserves the right to improve and revise its products. This manual specifies and describes the product, as it existed at the time of publication.

### **Safety Precautions:**

- Do not apply more than 70 psi (4.8 bar) pressure
- Eye protection is required
- Do not attempt to open the cover lid until air pressure is released
- Cover knobs must be hand-tightened ONLY
- Secure the pressure Pot to a benchtop or other stable work surface
- Follow all safety precautions for the specific material being dispensed
- Wear protective safety equipment as specified in the material safety data sheets

### **Features**

The Techcon Systems TS1254 Pressure Pot has the following features:

- **Size:** 5(127mm) x 12.5(318mm)
- **Internal Chamber:** 4.75(121mm) I.D. x 6.5(165mm)
- **Weight:** 10.4 lbs (4.7kg)
- **Operating Pressure:** 70 psi (4.8 bar) max.
- **Standard Tube Size:** 1/4 OD (6mm)

### **Installation and Operation**

#### **Setup Procedure**

To set up the Techcon Systems TS1254 Pressure Pot, follow these steps:

1. Choose a stable work surface to secure the pressure pot.
2. Attach the provided standard tube size (1/4 OD) to the pressure pot.

#### **Start-Up Procedure**

To start using the Techcon Systems TS1254 Pressure Pot, follow these steps:

1. Ensure the cover knobs are hand tightened.
2. Wear proper eye protection.
3. Do not exceed the maximum operating pressure of 70 psi (4.8 bar).
4. Release air pressure before attempting to open the cover lid.

#### **Remove Old Tubing**

If you need to remove old tubing from the pressure pot, follow these steps:

1. Turn off the air supply and release any pressure in the pot.
2. Disconnect the tubing from the pot fittings.

## Accessories and Spare Parts

### O-Rings

The Techcon Systems TS1254 Pressure Pot comes with a standard silicone O-ring. This O-ring is suitable for applications with UV adhesives, lubricants, conductive and non-conductive adhesives, and various other compounds.

### Fitting and Tubing Kits

The Techcon Systems TS1254 Pressure Pot is compatible with fitting and tubing kits. These kits include different sizes of fittings and tubing to meet specific needs. Please refer to the product documentation for more information on available kits.

### Parts List

The following parts are included with the Techcon Systems TS1254 Pressure Pot:

Item	Part Number	Description	Quantity
1	1254-SIL	O-Ring, Silicone	1
2	7054-0030	M6 X 114 Locking Knob	4
3	TSD500-37	Air Regulator Fitting 6mm Tube X 1/4 NPT	1
4	TSD1002-36	Pressure Gauge, 0-100 PSI	1
5	TSD600-21	Fitting 1/4NPT X1/4 OD Tube	1
6	P3000045	Exhaust Valve	1
7	7504-0020	Safety Valve	1
8	7054-0010		

### Warranty

The Techcon Systems TS1254 Pressure Pot comes with a warranty. Please refer to the product documentation for detailed warranty information.

### FAQ

• **Q: What is the maximum operating pressure of the Techcon Systems TS1254 Pressure Pot?**

A: The maximum operating pressure is 70 psi (4.8 bar).

• **Q: Can I use the pressure pot for applications other than those described in the user guide?**

A: It is not recommended to use the pressure pot for unintended applications as it may result in injury to persons or property damage. Please refer to the user guide for the intended use of the equipment.

• **Q: Can I use a different size of tubing with the pressure pot?**

A: The pressure pot comes with a standard tube size of 1/4 OD (6mm). However, there is an optional tube size of 0.157 OD (4mm) available. You would need to purchase the tubing kit with part number TS1252-4MM for the 4mm size.

## SAFETY

### Intended Use:

**WARNING:**

Use of this equipment in ways other than those described in this User Guide may result in injury to persons or property damage. Use this equipment only as described in this User Guide.

OK, International cannot be responsible for injuries or damages resulting from unintended applications of its equipment. Unintended uses may result from taking the following actions:

- Making changes to equipment that has not been recommended in the User Guide
- Using incompatible or damaged replacement parts
- Using unapproved accessories or auxiliary equipment

This User Guide is designed to provide information about the OK International hardware. Every effort has been made to make this manual as complete and accurate as possible. There is no implied or expressed warranty as to the purpose, suitability or fitness of the information. The information is provided on an as-is basis. OK International, Inc. reserves the right to improve and revise its products. This manual specifies and describes the product, as it existed at the time of publication.

**Safety Precautions:**

- Do not apply more than 70 psi (4.8 bar) pressure
- Eye protection is required
- Do not attempt to open the cover lid until air pressure is released
- Cover knobs must be hand-tightened ONLY
- Secure the pressure Pot to a bench top or other stable work surface
- Check with the Factory if unsure about dispensing material chemical compatibility
- Read the material safety data sheets for special precautions for the specific material being dispensed. Wear protective safety equipment as specified in the material safety data sheets.

**FEATURES**

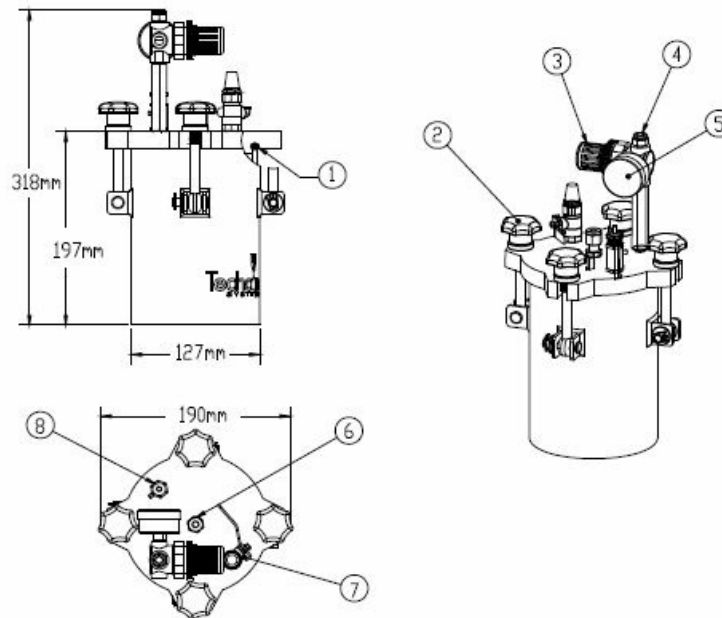
- Compatible with a wide range of dispensing fluids
- Pressure Relief (Safety) Valve to ensure safe dispensing operation
- Exhaust valve to depressurize the chamber after operation
- One continuous tube for fluid dispensing from the container to the valve
- Use two tubing sizes (1/4" (6mm) and 4 mm)
- Disposable tubing is easy to replace the after-dispense operation
- No material contact with the fluid chamber or tube fitting
- Durable construction
- Cleaning is not required after the dispensing operation

**SPECIFICATIONS**

- **Size:** 5"(127mm) x 12.5"(318mm)
- **Internal Chamber:** 4.75"(121mm) I.D. x 6.5"(165mm)
- **Weight:** 10.4 lbs (4.7kg)
- **Temperature Range:** 40 °F (4.4 °C) – 120 °F (48.9 °C)

- **Operating Pressure:** 70 psi (4.8 bar) max.
- **Standard Tube Size:** 1/4" OD (6mm); include with the unit
- **Optional Tube Size:** 0.157" OD (4mm); need to buy tubing kit part number =TS1252-4MM...Accessory kit 4mm fitting and tubing

## Dimensions



**Figure 1- Dimensions**

Item	Description
1	O-ring
2	Locking Knob
3	Air Regulator
4	Air Inlet port
5	Pressure Gauge
6	Fluid Inlet Port
7	Exhaust Valve
8	Safety Valve

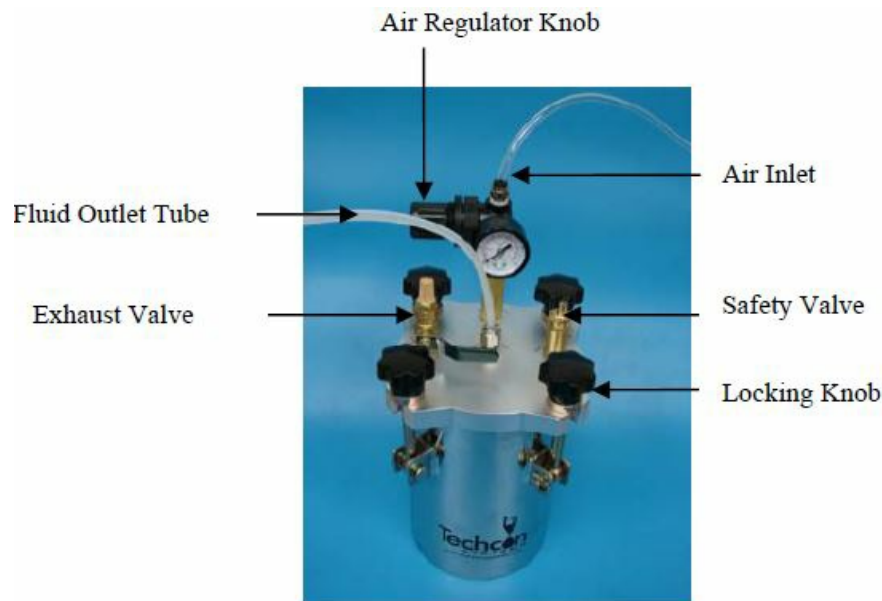
## INSTALLATION AND OPERATION

### Setup Procedure (Refer to Figure 2)

1. Ensure the pressure regulator is off (set at zero). Pull the locked air regulator knob out to unlock and turn counterclockwise several rotations to set to zero psi
2. Turn four locking knobs counterclockwise to remove cover (Lid). Unscrew each locking knob until it can flip over

its hinge to clear the cover plate

3. Remove the Cover (Lid) of the 1254 Pressure Pot and carefully set it aside
4. Remove the cap from the material (dispense fluid) container. The cap may be saved for future resealing of the container
5. Place material container inside pressure pot chamber
6. Ensure that the O'Ring stays in the groove of the cover



**Figure 2- Setup**

7. Install the Cover (Lid) on the Pressure Pot, making sure to place the tube end into the material container
  8. Align the four slots on the cover with the four locking knobs
  9. Lift the locking knobs into slots on the cover and tighten the knobs uniformly until snug. (Hand Tight Only)
- WARNING:** Never pour adhesives or other material directly into the pressure pot. To do so may cause severe damage to the pressure pot. Use a material container or similar containment vessel.

### Start-Up Procedure

1. Pull the pressure regulator knob and turn it clockwise to increase air pressure to the desired operating pressure. Ensure that the pressure gauge reading does not exceed 70 psi maximum. Then push the regulator knob in to lock and maintain the set gage pressure  
**NOTE:** Always start at the lowest pressure and gradually increase as needed.
2. Listen for any possible air pressure leakage on the Pressure Pot
3. Look for any signs of material/fluid leakage on the tubing Pressure Pot Setup is now complete and ready for dispensing operation with the selected valve system.

### WARNING:

Whenever replacing or removing valve (s) ensure that the regulator is at zero. Do not open the lid until the air pressure is at zero

### Remove old Tubing

1. Pull the air pressure regulator knob, turn it counterclockwise and lower the air pressure to zero
2. Open the Exhaust Valve by turning the lever up (figure 4) to ensure the chamber is completely depressurized.

3. Disconnect the air supply line if necessary
4. Disconnect fluid tubing from the dispense valve

**Note:** Hold the fluid tubing in the vertical position to allow the fluid inside the tubing to flow back inside the bottle/container.
5. Loosen the four locking knobs slowly and evenly. If excessive effort is required, ensure the air pressure gauge reading is zero
6. Unscrew the tube male connector nut completely. Move the nut and ferrule along the tubing about 4 inches away from the connector body on the cover
7. Cut off tubing in between the connector body on the lid and nut/ferrule. Put the cut tubing with nut/ferrule aside. Take care to accommodate drainage and spillage at the end of the tubing
8. Wipe off any excess fluid material from the cut-ends of the tubing's
9. Remove nut and ferrule parts from the used tube
10. Remove the cover from the Pressure Pot, while carefully pulling used tubing half from the container, and set aside. Be careful to avoid splashing and spilling from the tube end in the material container/bottle
11. Using a disposable hand glove or tongs, carefully pull the used-up tube from the connector body on the Lid. Pull tubing from the inner side of the cover plate. Dispose of used tubing appropriately
12. Screw the nut on the connector body. Ferrule parts may be replaced
13. Disconnect the fitting on the dispensing end of the tubing, and discard the used tube

## ACCESSORIES AND SPARE PARTS

### O-Rings

- **The Installed O-Ring:** The standard O-Ring supplied on your Pressure Pot is made of Silicone and is intended for applications with UV adhesive, Lubricants, Conductive and Non-Conductive Adhesives, and various other compounds. This O-Ring may be cleaned with Isopropyl Alcohol.

**WARNING:** Read the material safety data sheet for any solvent before use.

- **Optional O-ring:** If your dispense material is not compatible with Silicone O-ring, you can purchase Viton O-ring separately

PART NUMBER	DESCRIPTION
1254-VITON	O-RING KIT, VITON, TS1254

### Fitting and Tubing Kits

There are two tubing sizes that can be used with the TS1254 pressure pot, below are the part numbers:

PART NUMBER	DESCRIPTION
1254-250PE	ACCESSORY KIT 1/4", FITTING & TUBING (PE)
TS1252-4MM	ACCESSORY KIT 4MM, FITTING & TUBING (PE)

### The 1254-250PE kit includes:

- Clear PE tube, 1/4" (6mm) OD; Qty = 10' (3.4m)

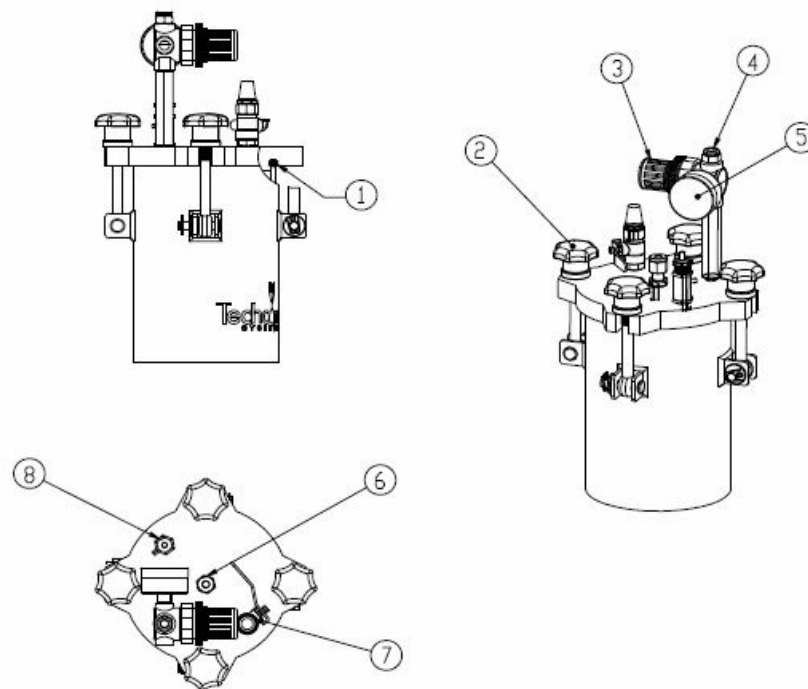


- Black PE tube, 1/4" (6mm) OD; Qty = 10' (3.4m)
- SS Fitting 1/4" OD Tube X 1/4 NPT ; Qty = 1piece
- Nylon Ferrule; Qty = 10 sets

**The TS1252-4MM kit includes:**

- Clear PE tube, 0.150" (4mm) OD; Qty = 5' (1.5m)
- Black PE tube, 0.150" (4mm) OD; Qty = 5' (1.5m)
- SS Fitting 4mm OD Tube X 1/4 NPT; Qty = 1 piece
- Nylon Ferrule; Qty = 10 sets

**Parts List**



**Figure 3 – Parts List**

ITEM	PART NUMBER	DESCRIPTION	QTY
1	1254-SIL	O-RING, SILICONE M6 X 114	1
2	7054-0030	LOCKING KNOB	4
3	TSD500-37	AIR REGULATOR	1
4	TSD1002-36	FITTING 6MM TUBE X 1/4" NPT	1
5	TSD600-21	PRESSURE GAUGE, 0-100 PSI	1
6	P3000045	FITTING 1/4"NPT X1/4" OD TUBE	1
7	7504-0020	EXHAUST VALVE	1
8	7054-0010	SAFETY VALVE	1

## WARRANTY


OK International warrants this product to the original purchaser for one (1) year from the date of purchase to be free from material and workmanship defects but not normal wear-and-tear, abuse and faulty installation. Defective product or subassemblies and components under warranty will be repaired or replaced (at OK International's option) free of charge. Customers with Defective products under warranty must contact the nearest OK International office or distributor to secure a return authorization before shipping the product to the assigned OK International authorized service centre.

OK International reserves the right to make engineering product changes without notice.

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## Documents / Resources

	<a href="#">Techcon Systems Techcon Systems TS1254 1,8L PRESSURE TANK</a> [pdf] User Guide Techcon Systems TS1254 1 8L PRESSURE TANK, Techcon Systems, TS1254 1 8L PRESSUR E TANK, PRESSURE TANK, TANK
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## References

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