Techcon Systems

TS1254

Pressure Pot

User Guide

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6. WARRANTY

OK International warrants this product to the original purchaser for a period of one (1) year from date of purchase to be free from material and workmanship defects but not normal wear-and-tear, abuse and faulty installation. Defective product or subassembly and components under warranty will be repaired or replaced (at OK International's option) free of charge. Customer with defective product under warranty must contact the nearest OK International office or distributor to secure a return authorization prior to shipping the product to the assigned OK International authorized service center.
OK International reserves the right to make engineering product changes without notice.

5.3 Parts List

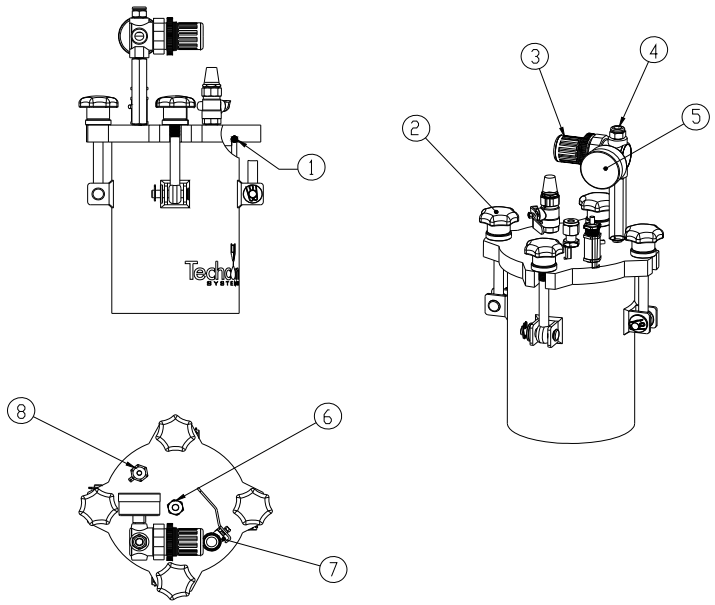

Figure 3 – Parts List

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

1. SAFETY

1.1 Intended Use:

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

1.2 Safety Precautions:

- Do not apply more than 70 psi (4.8 bar) pressure
- Eye protection is required
- Do not attempt to open cover lid until air pressure is released
- Cover knobs must be hand tightened ONLY
- Secure the pressure Pot to bench top or other stable work surface
- Check with 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.

2. 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 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 dispense operation

3. 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

5. ACCESSORIES AND SPARE PARTS

5.1 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 material safety data sheet for any solvent prior to 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

5.2 Fitting and Tubing Kits

There are two tubing sizes can be used with the TS1254 pressure pot, below are 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 = 1piece
- Nylon Ferrule; Qty = 10 sets

4.3 Remove old Tubing

1. Pull air pressure regulator knob, turn counterclockwise and lower air pressure to zero

2. Open Exhaust Valve by turning the lever up (figure 4) to insure chamber is completely depressurized.

3. Disconnect air supply line if necessary

4. Disconnect fluid tubing from dispense valve

   Note: Hold the fluid tubing in vertical position to allow fluid inside tubing to flow back inside bottle/container.

5. Loosen the four locking knobs slowly and evenly. If excessive effort is required, insure air pressure gauge reading is zero

6. Unscrew tube male connector nut completely. Move nut and ferrule along tubing about 4 inches away from the connector body on the cover

7. Cut off tubing in between connector body on lid and nut/ferule. Put the cut tubing with nut/ferrule aside. Take care to accommodate drainage and spillage at the end of 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 cover from 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 cover plate. Dispose used tubing appropriately

12. Screw the nut on the connector body. Ferrule parts may be replaced

13. Disconnect fitting on the dispense end of tubing, and discard used tube

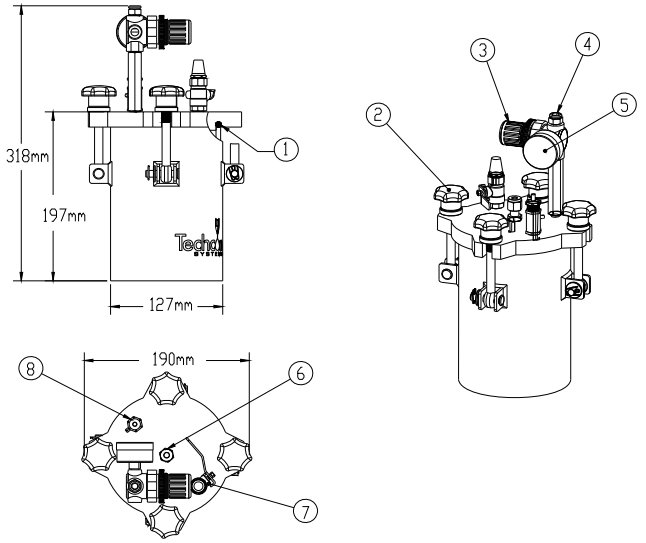

Figure 1- Dimensions

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

4. INSTALLATION AND OPERATION

4.1 Setup Procedure (Refer to Figure 2)

1. Insure pressure regulator is off (set at zero). Pull 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 is able to 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 cap from material (dispense fluid) container. Cap may be saved for future resealing of the container

5. Place material container inside pressure pot chamber

6. Insure that the O'Ring stays in the groove of the cover

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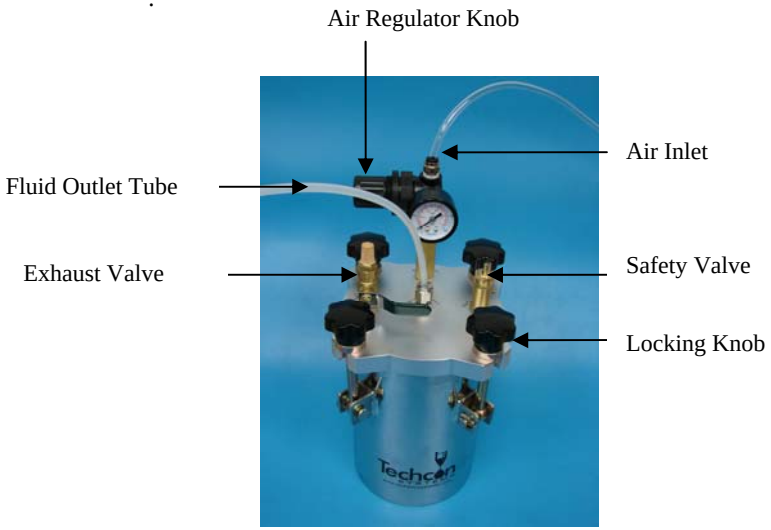

Figure 2- Setup

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 knobs uniformly until snug. (Hand Tight Only)

WARNING: Never pour adhesives or other material directly into pressure pot. To do so may cause severe damage to pressure pot. Use material container or similar containment vessel.

4.2 Start-Up Procedure

1. Pull pressure regulator knob and turn clockwise to increase air pressure to the desired operating pressure. Insure that the pressure gauge reading does not exceed 70 psi maximum. Then push regulator knob in to lock and maintain set gage pressure

   NOTE: Always start at 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 tubing

Pressure Pot Setup is now complete and ready for dispensing operation with the selected valve system.

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