

Adhesive Dispensing

User Guide



TS2250 Pressure Pot

Congratulations on your purchase of a quality Pressure Pot System. If you have not done so, please read the installation guide for installation and maintenance instructions.

Take a few moments to get to know the parts of your Pressure Pot. This manual is designed to help you use your Pressure Pot as quickly as possible.

We at Adhesive Dispensers Ltd hope you find our product beneficial. If you ever have any questions, please contact us at the details listed below.

Adhesive Dispensing Ltd.

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This manual is designed to provide information about the product hardware. Every effort has been made to make this manual as 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. Adhesive Dispensing Ltd reserves the right to improve and revise its products. This manual specifies and describes the product as it existed at the time of publication.





CAUTIONS AND WARNINGS

Cautions

- Maximum 75PSI (5 BAR)
- Eye Protection Required
- Do not attempt to open the lid until pressure had been reduced at source
- Lid knobs must be hand tightened only

WARNINGS

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.

CHECK WITH FACTORY IF UNSURE ABOUT DISPENSING MATERIALS OTHER THAN CYANOACRYLATE.

CYANOACRYLATE ADHESIVES ARE SEVERE EYE IRRITANTS AND SKIN BONDERS. IMMEDIATE BONDING OF EYES, SKIN OR MOUTH MAY OCCUR UPON CONTACT. THESE ADHESIVES MAY CAUSE PERMANENT EYE DAMAGE.

AVOID EYE, MOUTH AND SKIN CONTACT. USE FULL COVER SAFETY GLASSES. AVOID BREATHING ADHESIVE VAPORS. PROVIDE ADEQUATE VENTILATION.

IF EYE BECOMES BONDED, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CALL A PHYSICIAN. IF THE EYE IS STUCK SHUT, DO NOT FORCE OPEN.

IF SKIN BONDED, QUICKLY SOAK IN WARM WATER. DO NOT USE EXCESSIVE FORCE TO FREE BONDED AREA.

WHEN USING FLAMMABLE SOLVENTS, EXTINGUISH ALL SOURCES OF IGNITION IN THE IMMEDIATE WORK AREA AND OBSERVE PROPER PRECAUTIONARY MEASURES FOR HANDLING THE MATERIAL.

NOTE: IN ADDITION TO THE ABOVE WARNINGS, MORE CAUTIONARY WARNING NOTES WILL BE FOUND IN OTHER SECTIONS OF THIS MANUAL WHERE APPLICABLE.



INTRODUCTION

The TS2250 PRESSURE DISPENSER offers a convenient, easy to use system for dispensing adhesives, as well as many solvents, lubricants and other low to medium viscosity materials. Loosen clamp knobs, lift off lid, place a container of material to be dispensed, connect feed tube, close lid, tighten clamp knobs, pressurise chamber and begin dispensing. The simplicity and reliability of the TS2250 pressure pot design provides for exceptional performance, minimum maintenance and easy repair.

SPECIFICATION

Size:	180mm W x 271mm H
Inside Chamber:	162mm W x 242mm H
Weight:	6.4kg
Maximum Pressure:	75psi (5 BAR)
Maximum Viscosity:	Around 35,000 cps approx.
Warranty:	12 Months

FEATURES

- Easy to replace disposable plastic feed tube and fluid lines.
- Accepts standard 500g Cyanoacrylate bottles, 250ml UV bottles and many more.
- No pouring required - just place bottle inside chamber.
- Hand tight locking lid nuts - no tools required.
- Adjustable regulator with gauge for a wide range of fluids.

DESCRIPTION

The TS2250 Pressure Pot offers a convenient, easy to use system for dispensing cyanoacrylates, UV cure, solvent based adhesives, as well as many solvents, lubricants and other low to medium viscosity materials directly from the material container/bottle. Air pressure in the chamber forces the material from the container/bottle through any disposable supply tubing to an optional dispensing valve. An air pressure regulator and pressure gauge control the material flow rate with the dispense quantity being controlled by the length of time the dispense valve is open. TS2250LS version includes electric level sensor feature.

Warning

* Cyanoacrylate Adhesives are severe eye irritants and skin bonders. Immediate bonding of eyes, skin or mouth may occur upon contact. These Adhesives may cause permanent eye damage.

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.



Connector and Tubing Installation

1. Remove pressure pot from shipping container and inspect for damage. Check pre-assembled Regulator on tank side is not damaged.
2. Locate feed tube connection nut. As standard this is an 8mm OD tube nut.
3. Remove tank lid by unscrewing each of the (4) locking nuts and removing. Lift lid from the base.
4. Push 8mm OD tube through hole in top of tank lid. Push to the height of the tank chamber. Tighten carefully, use a spanner if required. Do not overtighten.

CAUTION: Never pour Adhesives or other materials directly into Dispenser. Use Adhesive Bottle or similar containment vessel.

5. Locate adhesive bottle. Remove cap supplied with new adhesive bottle. Cap may be saved for future re-sealing of bottle.
6. Place bottle without cap/lid into the centre of the pressure pot base chamber. In the centre.
7. Place tank lid onto tank base ensuring the feed tube sits into the adhesive bottle opening.
8. Carefully attach all 4 tank lid nuts (hand tight only).

CAUTION: Plant air supply should provide dried, filtered air with pressure not to exceed 60 psi. If plant air is not dry and filtered, a 5 Micron Air Filter (TSD800-6) is available as a recommended accessory.

9. Insure Pressure Regulator is off (set at zero), turn Regulator Knob clockwise until it stops.
10. Attach Air Hose from filtered source (see caution above) to Air Inlet Fitting on regulator at top of tank.
11. Attach fluid line end to dispense valve. Pressurise to start flow of fluid. Adjust pressure for flow rate.



CERTIFICATE OF CONFORMITY

Model TS2250 Serial No. _____

We hereby certify that this Pressure Pot conforms to Category B of the Simple Pressure Vessels Directive 87/404/EEC. It has a PSV below 50 bar/litres and must not be CE marked. It has been pressure tested by Adhesive Dispensing Ltd to: 5 bar (75psi) for a maximum working pressure of: 5 bar (75psi). Always follow the user instructions and do not exceed the maximum working pressure.

CONSUMABLE SPARE PARTS

O-Ring: 2250-ORING
Feed Tubing: TSD1099-24. Clear Tube 1/4" OD x 1/8" ID
TSD1099-25. Black Tube 1/4" OD x 1/8" ID
TSD1099-23. Clear Tube 3/8" OD x 1/4" ID
TSD1099-22. Black Tube 3/8" OD x 1/4" ID
TSD1099-45. Clear Tube 6mm OD x 4mm ID
TSD1099-46. Black Tube 6mm OD x 4mm ID
TSD1099-12. White Tube 3/16" OD x 1/8" ID

WARRANTY

Adhesive Dispensing Ltd 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 Adhesive Dispensing Ltd option) free of charge. Customer with defective product under warranty must contact the nearest Adhesive Dispensing Ltd office or distributor to secure a return authorisation prior to shipping the product to the assigned Adhesive Dispensing Ltd authorised service centre.

For Adhesive Dispensing Ltd contact information, please visit www.adhesivedispensing.co.uk. Adhesive Dispensing Ltd reserves the right to make engineering product changes without notice.