

TS1212 Precision Pinch Tube Valve

Product Description

The TS1212 is a pneumatic controlled precision valve for applying repeat deposits of most low to medium viscosity liquids and adhesives. It accepts a feed of fluid direct from a syringe, cartridge or pressure pot. The 'wetted' parts the liquids touch are resistant to clogging and can be replaced to prevent maintenance.

Typical Applications

The TS1212 will dispense most low to medium viscosity adhesives, liquids, cyanoacrylates, UV, primers, activators, epoxies, inks, solvents and chemicals. The TS1212 uses pinch tubes which are low cost and take seconds to replace making this valve maintenance free and ideal for curing epoxies. The TS1212 is supplied with fittings, clear and black fluid lines, pinch tubes and a selection of needle tips.

Instructions For Use

1. Attach a needle tip (supplied) to male luer end.
2. Attached a fluid line (supplied) to female luer input.
3. Connect the fluid line to a pressure pot, syringe or cartridge.
4. Set fluid pressure if regulated on your tank.
5. Connect TS1212 airline (supplied) to a pneumatic valve controller, such as our TS250.
6. Purge fluid line for adhesive to flow to valve. Once TS1212 is pulsed from pneumatic dispenser, deposit will be made.
7. Use smaller tips for finer control, larger tips for faster flow and adjust the stroke control on the side of valve.
8. Use tip cap seal (supplied) when dispensing finished and to cap off air tight.



Spare components are available to order from stock such as fittings, pinch tubes, needle tips and fluid lines.

The data, information and values contained in this Technical Data Sheet have been obtained by specific tests conducted in a controlled environment, and should be used for guidance purposes only. Although we believe them to be reliable and accurate, users should always conduct their own tests in their specific working conditions to ensure that the product is suitable and effective for use. It is the user's sole responsibility to determine the suitability of the product for the application. Adhesive Dispensing Ltd cannot be held responsible for the results of procedures undertaken elsewhere, nor for the safeguarding of personnel or property, all of which is the duty of the user. Suitability of products or methods is discretionary. Therefore, warranties or implied usage obligations should not be attributed to, and are not the responsibility of, Adhesive Dispensing Ltd. Adhesive Dispensing Ltd are not liable for any financial loss or other damages incurred by the user as a result of the use of this product. Product dimensions and design are approximate and can be subject to change, without notice.

Technical Information

Size:	3.25" x 1.58"
Colour:	Black/ Silver
Weight:	82 gram
Flow Rate:	0.54 gal/min (Water) at 60 psi
Max Fluid Pressure:	60 psi (4 bar)
Repeatability:	±0.56%
Min Shot Size:	0.007cc or ml
Fluid Viscosity Range:	Up to 45,000 CPS
Material Inlet:	Female luer lock
Material Outlet:	Male luer lock
Actuation Air Pressure:	50 psi (3.4 bar) minimum
Wetted Parts:	Polyethylene

Options

The TS1212 is also available with our range of pressure pots from 500 gram to 19 litre and our digital valve controllers TS250, TS350 or TS500R.

Warranty

The TS1212 Valve is provided with a 12 month warranty against product fault or defect.

Health & Safety in Use

The TS1212 is safe, reducing risk of operator contact with the materials being dispensed and reducing fumes. This valve can be hand held or bench/ machine mounted for use over long periods of time which minimises the risk of repetitive strain injury compared to manual dispensing.

Benefits

- Zero maintenance pinch tube valve
- Lightweight, compact, low cost
- Handles many liquids including reactive adhesives
- Adjustable stroke control
- Robust material construction
- Provides fast, repeat deposits up to 500/minute
- Ideal for Cyanoacrylates
- 12 Month Warranty