



Product Data Sheet

TS1212

Pinch Tube Valve

The TS1212 Disposable Pinch Tube Valve provides control for dots and beads of low to medium viscosity fluids. The TS1212 relies on a dispensing controller sending a pre-programmed air signal that opens the valve and allows fluid to flow. Once the dispense cycle is complete, the air signal stops and the internal spring forces the shut-off piston to “pinch” the disposable feed path, preventing further fluid flow. A stroke control adjustment is built into the valve.

The only part of the valve making contact with the fluid being dispensed is the disposable pinch tube assembly making the TS1212 ideally suited to dispensing 2-part and CA (Cyanoacrylate) materials.

The valve is shipped with the following items:

- Mounting rod
- Luer lock fluid lines (natural and black)
- Replacement “pinch” tubes
- Dispensing tip selection pack

TYPICAL APPLICATIONS

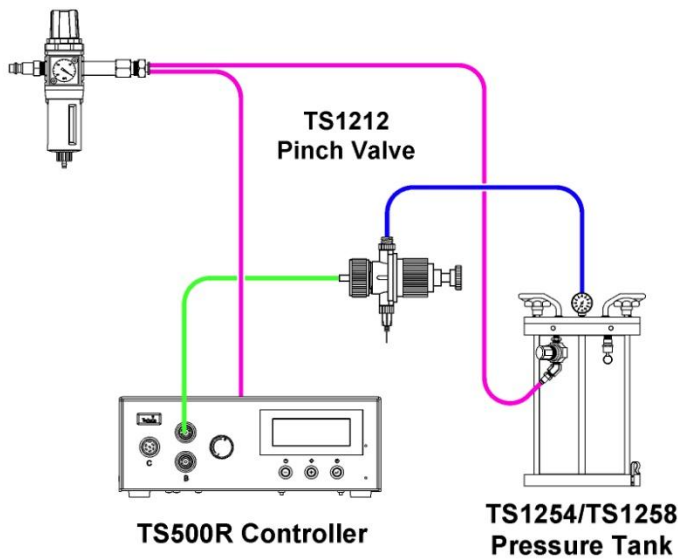
- Applying UV adhesive in medical device manufacturing
- Dispensing Cyanoacrylate (CA) to bond plastic parts in toy manufacturing
- Dispensing dots of lubrication in automotive switches

KEY FEATURES AND BENEFITS

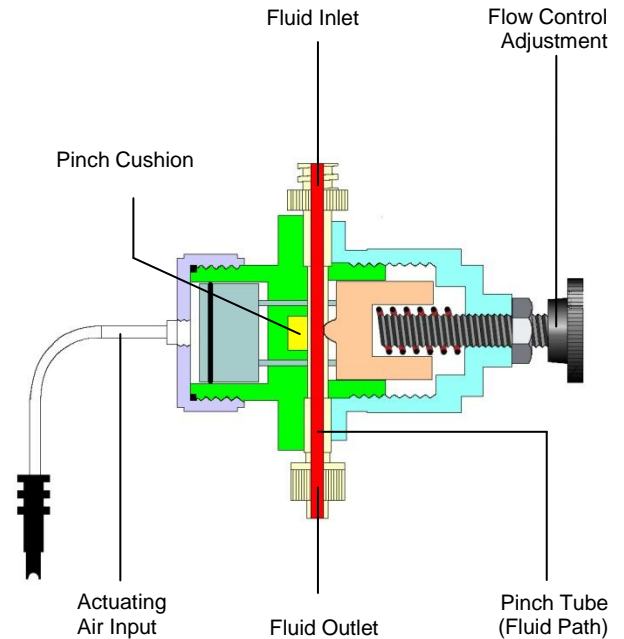
- Disposable path – no cleaning required
- Very light weight design
- Very low maintenance design
- Optional black feed paths for UV fluids



TYPICAL SETUP



■ FLUID
■ CONSTANT AIR
■ PULSED AIR

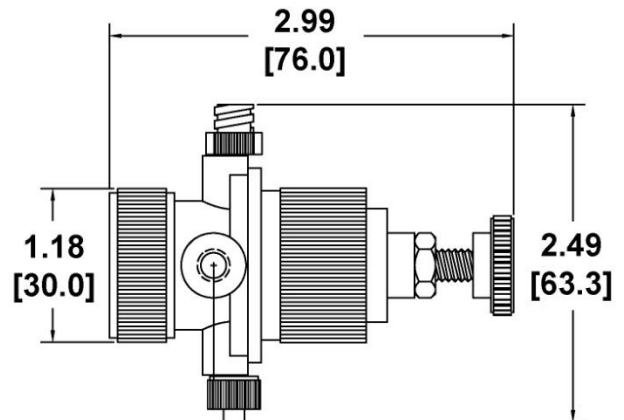


SPECIFICATIONS & PART NUMBER

Part Number:	TS1212
Size (Imperial):	2.99" Length x 2.49"
Size (Metric):	76.0mm x 63.3mm
Weight:	0.18 lb (82g)
Fluid Inlet Port:	Luer lock female
Fluid Outlet Port:	Luer lock male
Air Inlet Port:	10-32 UNF female
Activation Pressure:	50 psi (3.4bar) Min.
Max Fluid Pressure:	60 psi (4.1bar)
Operating Frequency:	400+ cycles/min.
Mounting Port:	¼-20 UNC-2B female
Viscosity Range:	1 - 45 000cps

Wetted Parts: Polyethylene, optional polyurethane

Dimensions are in inches [mm]



ACCESSORIES

- **Fluid reservoirs:** The valve can be fed from the TS1254 or TS1258 Pressure Tank, or from any size syringe barrel or cartridge.
- **Dispensing Tips:** For the complete dispensing tip offering please visit www.techconsystems.com

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