



## 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 for dispensing 2-part and CA (Cyanoacrylate) fluids.

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

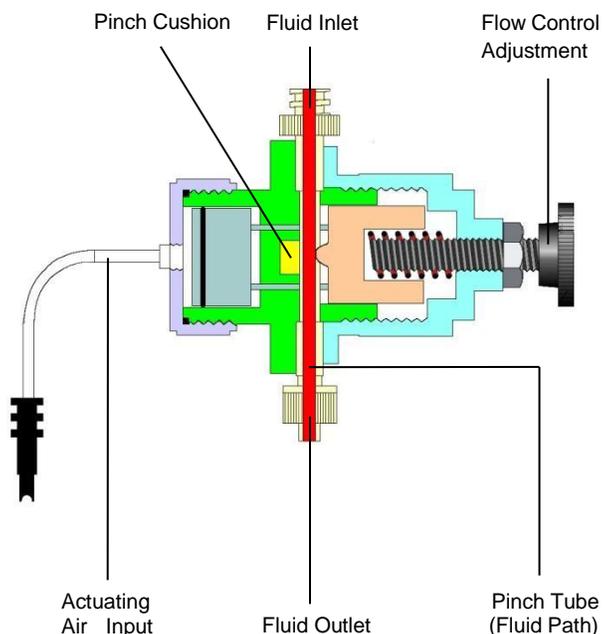
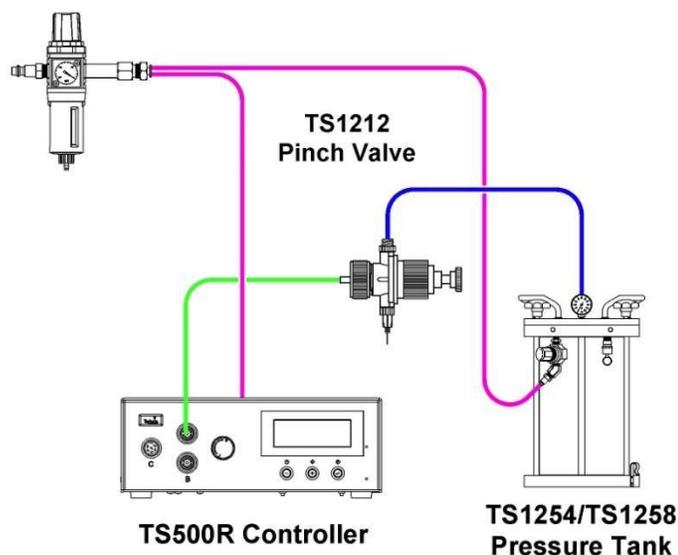
- Applying UV adhesive in medical device manufacturing
- Dispensing Cyanoacrylate (CA) to bond plastic parts in toy manufacturing
- Dispensing dots of lubrication in automotive switches

### 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



## SPECIFICATIONS & PART NUMBERS

Part Number:	<b>TS1212</b>
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
Activation Pressure:	50 psi (3.4bar) Min.
Max Fluid Pressure:	60 psi (4.1bar)
Operating Frequency:	400+ cycles/min.
Mounting Port:	1/4-20 UNC-2B female
Viscosity Range:	1 - 45 000cps

Wetted Parts: Polyethylene, optional polyurethane

1212-004-002BPK Black PE 0.1" (2.54mm) ID Male to female x10  
 1212-004-002PK Natural PE 0.1" (2.54mm) ID Male to female x10  
 1212-004-000PK Natural PE 0.07" (1.78mm) ID Male to female x10  
 1212-004-100BPK Black PU 0.125" (3.18mm) ID Male to female x10  
 1212-004-100PK Natural PU 0.125" (3.18mm) ID Male to female x10

## ACCESSORIES

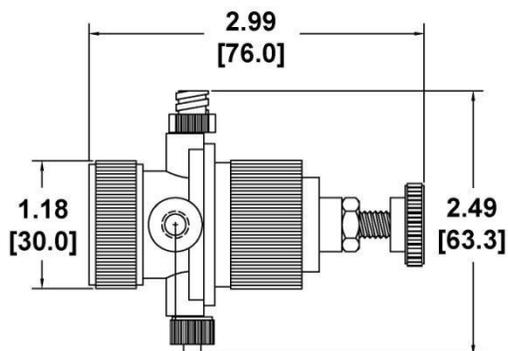
- **Fluid reservoirs:** The valve can be fed from the TS1254 or TS1258 Pressure Tank, or from any size syringe barrel or cartridge.
- **Dispensing Tips:** For the complete dispensing tip offering please visit [www.techconsystems.com](http://www.techconsystems.com)



**LOCAL DISPENSING SOLUTIONS WORLDWIDE**



Dimensions are in inches [mm]



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