

# Simple pinch valves for precise flow control

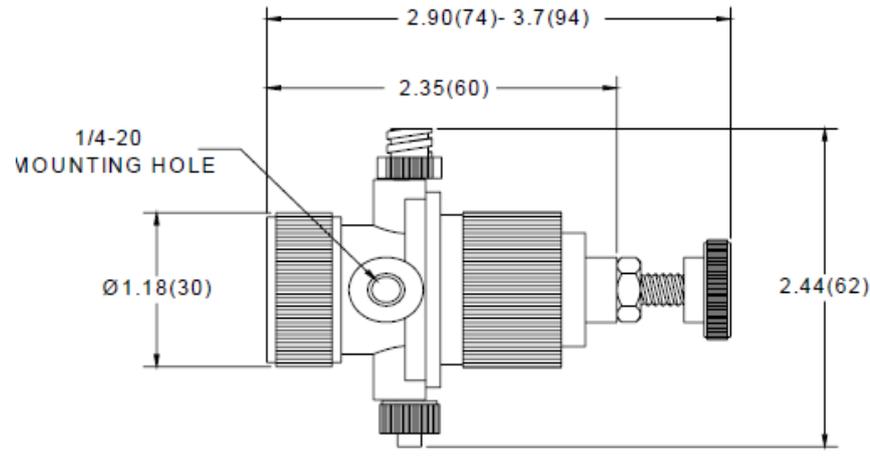
Activators Anaerobics Cyanoacrylates Fluxes Solvents UV-cure & light-cure adhesives



The TS1212 dispense valve makes controlled shots of watery thin to medium thick liquids. This includes solvents, glues, epoxies, Cyanoacrylates, primers, activators, UV cure and SMT adhesives.

A maintenance free valve, it uses replaceable low cost pinch tubes rather than wetted parts that have to be flushed. So a tube is replaced in seconds making this valve so easy to use.

Air operated, it links to any of our pneumatic type controllers/ dispensers. Liquid is fed in from either a syringe barrel, cartridge reservoir or pressure pot.



Dimensions are in inches (mm)

An adjustable stroke control varies the amount of movement the internal piston makes. So when it is screwed down, the flow rate is reduced - ideal when applying deposits of watery liquids.

This valve can be used on XYZ robots, above a work bench in a stand or hand held.

Each TS1212 is supplied with clear and black pinch tubes and fluid lines, mounting rod, airline pipe with quick connect, selection of dispense tips and a user guide. Covered by our 1 Year warranty.

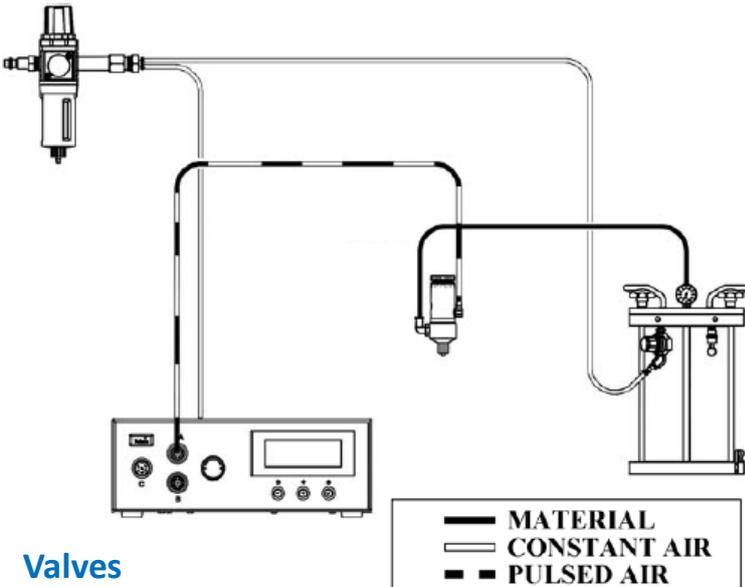


# Pinch tube valves



The complete application system includes the TS1212 Series air-operated valve, TS500R digital timed controller, a choice of fluid reservoirs and a luer lock dispense tip.

Experienced expert technical assistance and high quality products ensure productive, hassle-free performance. We offer a full range of reliable dispensing systems to meet your specific application requirements.



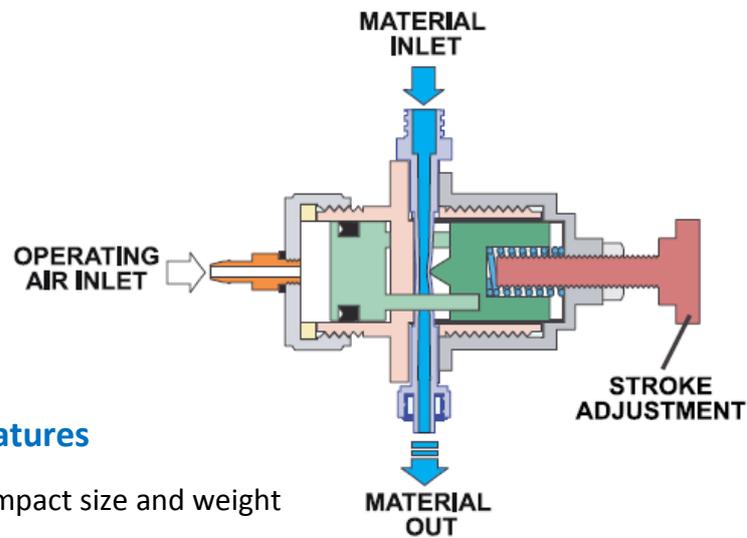
## Valves

The TS1212 Series valves are used with TS500R, TS350 or TS250 controllers or J2200 Series automation systems for repeatable outputs of low to medium viscosity fluids. The TS1212 Series wetted components are inert plastics. Each valve can be calibrated with the stroke control knob for adjustment to flow control. The amount dispensed depends on valve open time, fluid pressure, fluid viscosity, flow adjustment and luer lock tip size.

## Controllers

The amount dispensed depends on valve open time, fluid pressure, fluid viscosity, flow adjustment and luer lock tip size. Valve open time is the main control of deposit size. The controller puts push-button adjustment of valve open time where it needs to be — at the valve.

Select the TS500R for digital display, I/O port for link to PLC, timer memory and low level air alarm. On the fly adjustability. Use TS350 or TS250 for more basic control.



## Features

- Compact size and weight
- Adjustable fluid stroke flow control
- For many fluids and UV cure adhesives
- Low cost product
- Easy to setup
- Cycle rate exceeds 500/minute
- Zero-maintenance design

## Specifications

Operating air pressure:	60-75 psi (4.1-5.1 bar)
Material delivery pressure:	Max 100 psi
Driving part materials:	
Body:	Plastic
Piston:	Plastic
Wetted part materials:	Polyethylene
Connecting Ports:	
Operating air input:	1/4" tube adapter
Material inlet:	Luer lock
Material outlet:	Luer lock

## Fluid Reservoirs

Our reservoirs are supplied with precision regulators to ensure consistent fluid pressure to each valve. Tanks available in 0.5, 1.0, 2.0, 5.0 and 19.0 litre capacities. TSI Retainer Systems and Cartridges available from 2.5 to 32 ounces (75cc to 950cc). The TS1215 tank accepts a 500g bottle of cyanoacrylate. Our tips range from 14 gauge to 34, with special Teflon for Cyanoacrylate adhesives.