

TS5620 Series

Diaphragm Valves



TECHCON™



Horizontal & Vertical Diaphragm Valve TS5620 Series

Compact design, along with choice of body orientation, allows for mounting flexibility and easy integration into automated applications

Techcon's diaphragm valves are designed to dispense low to medium viscosity fluids with precision accuracy over a wide range of shot and bead sizes, down to a fraction of a micro-liter. An internal spring return makes the valves fully adaptable for use with Techcon's TS550R controller.

A short opening stroke provides extremely fast positive shut off. An external stroke control adjustment makes it easy for the operator to fine tune shot sizes.

The seal-less valve design features excellent moisture sensitive resistance and the incorporated diaphragm creates a barrier between the wetted parts and the air cylinder.

With a choice of UHMWPE*, Delrin®, Teflon® or stainless steel fluid bodies, the TS5620 Series diaphragm valves can handle a wide range of industrial fluids.

Part Number	Fluid Housing	Diaphragm	Weight
Horizontal Mounting			
TS5621HD	Delrin®	UHMWPE*	0.15 lb (70g)
TS5620HT	Teflon®	Teflon®	0.15 lb (69g)
TS5620HU	UHMWPE*	UHMWPE*	0.13 lb (60g)
Vertical Mounting			
TS5622VD	Delrin®	UHMWPE*	0.16 lb (71g)
TS5622VT	Teflon®	Teflon®	0.18 lb (80g)
TS5622VU	UHMWPE*	UHMWPE*	0.14 lb (64g)
TS5622VU-DVD	Stainless Steel	UHMWPE*	0.26 lb (120g)

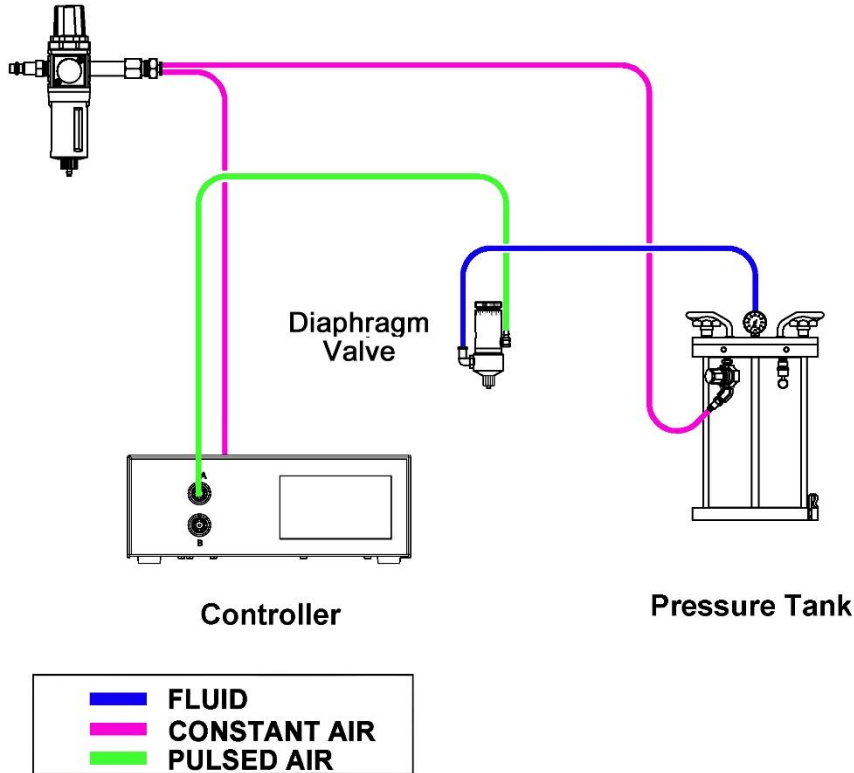
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IDENTIFICATION OF FEATURES



Key Features & Benefits

- Long cycle life
- Compact size & weight
- Excellent moisture sensitive resistance
- 4 fluid housing materials for chemical compatibility
- Horizontal or vertical mounting option (except metal version)

Typical Applications

Dispensing:

- Anaerobic onto screw threads
- Cyanoacrylate in bonding applications
- UV lacquer in DVD spin coating applications

SPECIFICATIONS & PART NUMBERS

Part Number:	TS5620 Series	
Size (Imperial):	Vertical	3.07" x 1.06"
Size (Metric):	Vertical	77.9mm x 26.9mm
Size (Imperial):	Horizontal	2.4" x 0.94" (1.06" TS5621HD)
Size (Metric):	Horizontal	61mm x 23.8mm (26.9mm for TS5621HD)
Weight:	See Chart	
Fluid Inlet:	1/8" NPT female	
Fluid Outlet:	Luer lock male	
Aux. Inlet	(Double Acting)	10-32 UNF female
Activation Pressure:	70 psi – 90 psi (4.8bar – 6.2bar)	
Fluid Pressure:	70 psi (4.8bar) MAX.	
Cycle Rate:	400+ cycles/min.	
Mounting Port:	10-32 UNF female	
Viscosity Range:	1 – 50 000cps	
Wetted Parts:	See Chart	

*UHMWPE: Ultra High Molecular Weight Polyethylene,

The valve is shipped with the following items:

- Mounting Bracket
- Air Hose
- Luer Lock Fluid Line
- ¼" and Luer lock inlet fittings
- Dispense Tip Selection Pack

ACCESSORIES

- Fluid Reservoirs: The valve can be fed from Techcon's TS1254 or TS1258 pressure tanks, or from any size syringe barrel.
- Recommended Controller: TS550R

171005-1200-CL