

# TS5540-MS

Micro Shot Spray Valve



TECHCON™



## Micro Shot Spray Valve TS5540-MS

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No overspray, precision, all stainless steel construction,  
micro shot spray valve, for low viscosity fluids.

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The TS5540-MS Micro Shot Spray Valve is designed for precise spray applications of low viscosity fluids. An external stroke control makes it easy for the operator to fine tune fluid flow.

Total control of the spray cycle is provided by adjustable fluid flow and precise control of pre-spray, atomizing and post spray with the TS560R controller.

Down time is virtually eliminated with only one seal to replace during normal maintenance. The TS5540-MS spray valve comes with FDA-Compliant 303 stainless steel construction in both air cylinder and fluid housing.

A field replaceable Teflon® seat provides positive shut off and very long life cycles.

The compact design allow for easy integration into automated applications.

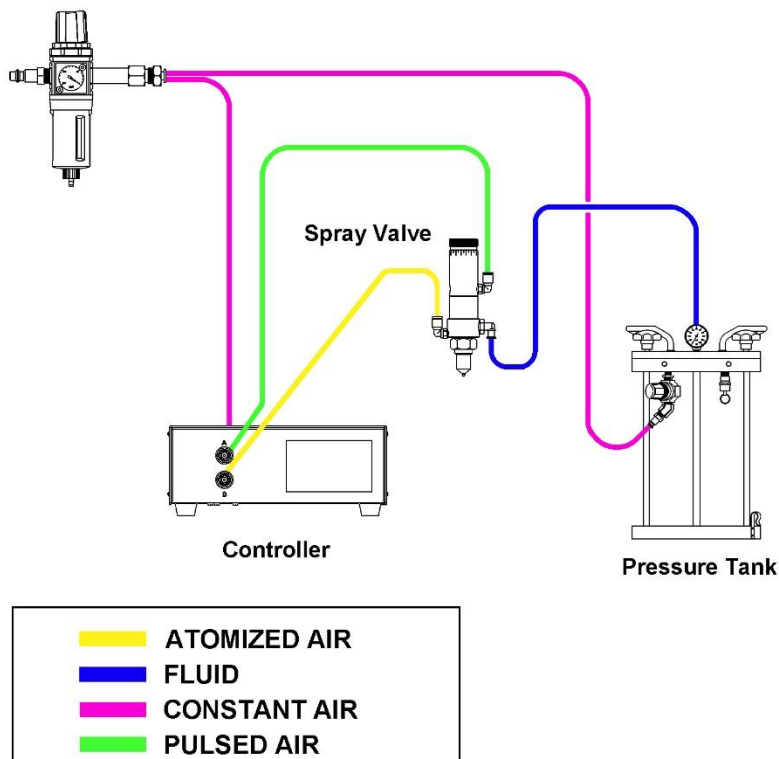
The TS5540-MS spray valve is designed to spray low viscosity fluids though disposable dispensing tips. The innovative design enables the valve to produce uniform spray patterns ranging from 4.6mm to 15mm (0.018" to 0.060") in diameter.

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## IDENTIFICATION OF FEATURES



## SPECIFICATIONS & PART NUMBERS

Part Number:	<b>TS5540-MS</b>
Size (Imperial):	4.7" x 1.12"
Size (Metric):	119.4mm x 28.4mm
Weight:	0.73 lb (331g)
Fluid Inlet:	1/8" NPT female
Fluid Outlet:	Spray tip (TE) and cap
Aux Air. Inlet:	(Double Acting) 10-32 UNF female
Act. Pressure:	70 psi (4.8bar) Min.
Fluid Pressure:	100 psi (6.9bar) Max.
Cycle Rate:	400+ Cycles/min.
Mounting Port:	1/4 -20 UNC-2B female
Viscosity Range:	1 – 5 000cps
Wetted Parts:	SS, Teflon®

\*SS: Stainless Steel

The valve is shipped with the following items:

- Mounting Bracket • Air Hose • Luer Lock Fluid Line
- 1/4" and Luer lock inlet fittings • Dispense Tip Pack

## ACCESSORIES

- Fluid Reservoirs: The valve can be fed from Techcon's TS1254 or TS1258 pressure tanks, or from any size syringe barrel.
- Dispense Tips: Precision TE tips, gauges 23-32, in lengths 6.35mm & 12.7mm (1/4" & 1/2"), are required, for this valve type.
- Recommended Controller: TS560R Smart Spray Valve Controller

## Key Features & Benefits

- No overspray
- Long life cycles
- Uniform spray pattern
- Extended tip/nozzle sprays between tall components

## Typical Applications

### Spraying:

- Activator onto plastic components prior to bonding
- Oil onto metal components for lubrication purposes
- Conformal coating between tall components on a PCBA

## For Sales & Support

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