



## Product Data Sheet

### TS5540-MS Microshot Spray Valve

The TS5540-MS 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 air and post spray with the TS500R Multi-Purpose Digital Controller. Downtime is virtually eliminated with only one seal to replace during normal maintenance. The TS5540-MS Spray Valves 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 allows for easy integration into automated applications.

The TS5540-MS Spray Valve is designed to spray low to medium viscosity fluids, through disposable dispensing tips. The innovative design enables the valve to produce uniform spray patterns ranging from 0.18" - 0.60" (4.6mm – 15mm) in diameter.

The valve is shipped with the following items:

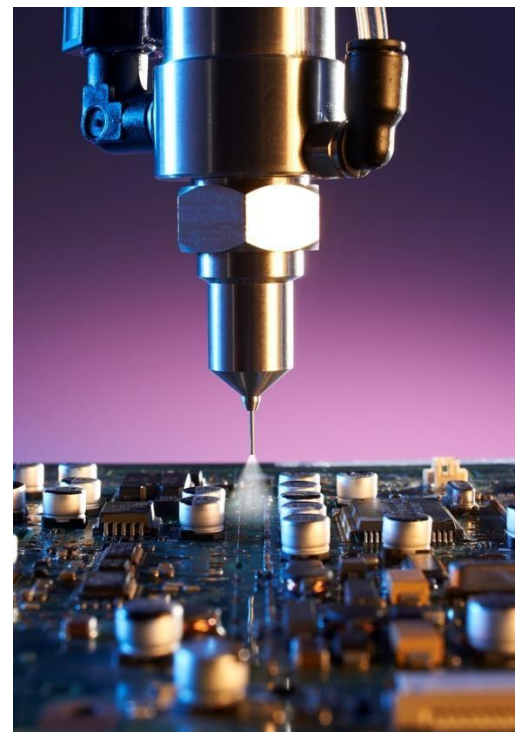
- Mounting bracket kit
- Valve air hoses
- Luer lock fluid line
- Fluid inlet fittings - 1/4" compression and Luer lock type
- Dispensing tip selection pack

#### TYPICAL APPLICATIONS

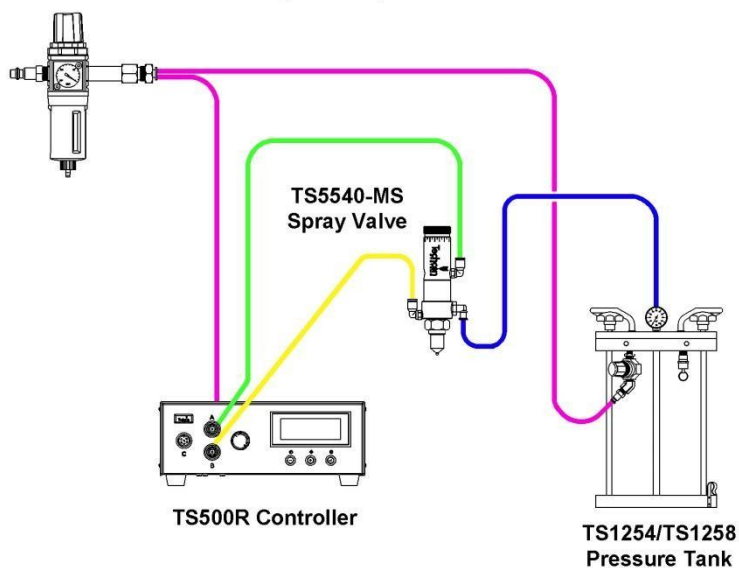
- Spraying activator onto plastic components prior to bonding
- Spraying oil onto metal components for lubrication purposes
- Spraying conformal coating between high components on PCBA

#### KEY FEATURES AND BENEFITS

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



## TYPICAL SETUP



## SPECIFICATIONS & PART NUMBERS

Part Number:	TS5540-MS
Size (Imperial):	4.7" Length x 1.12"
Size (Metric):	119.4mm x 28.4mm
Weight:	0.73 lb (331g)
Fluid Inlet Port:	1/8" NPT female
Fluid Outlet Port:	Spray cap
Aux Air Inlet Port:	10-32 UNF female
Activation Pressure:	70 psi (4.8bar) Min.
Max Fluid Pressure:	100 psi (6.9bar)
Operating Frequency:	400+ cycles/min.
Mounting Port:	1/4-20 UNC-2B female
Viscosity Range:	1 - 5 000cps

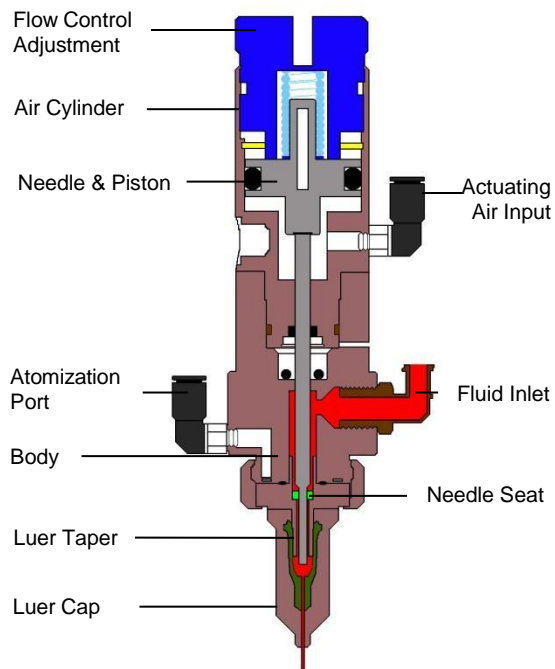
Wetted Parts: 303 SS, Teflon®

## ACCESSORIES

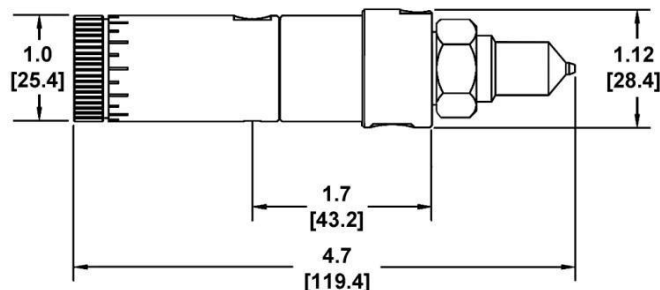
- Fluid reservoirs:** The valve can be fed from the TS1254 or TS1258 Pressure Tank, or from any size syringe barrel or cartridge.
- Dispensing Tips:** Precision TE Series dispensing tips, from 23 - 32 gauge, in lengths 1/4" and 1/2", are required for this valve type. For the complete TE dispensing tip offering please visit [www.techconsystems.com](http://www.techconsystems.com)



LOCAL DISPENSING SOLUTIONS WORLDWIDE



Dimensions are in inches [mm]



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