

## PRODUCT SPECIFICATIONS

### TS5540/TS5540F Stainless Steel Spray Valves

OK International is proud to announce the addition of TS5540 and TS5540F to its TS5500 Series Spray Valve family. The TS5540 and TS5540F are designed to spray fine mist of low viscosity materials such as conformal coating, solvent, oil and grease precisely and consistently for thin-film fluid deposits. The stainless steel body exterior, fluid housing and air cylinder make these valves compatible with a wide range of aggressive and non-aggressive industrial chemicals.

The TS5540 and TS5540F have a smooth fluid path that reduces turbulent flow and air entrapment ensuring consistent and repeatable spraying. In addition, they feature an external stroke control that adjusts for different fluid flow and provides an extremely fast, positive shut-off. Their compact design and easy-mount threaded holes allow them to be easily integrated into automated applications.

Models	Diameter of nozzle, round (R) or fan (F) pattern air cap	Spray Pattern	Typical Application
TS5540-014R/F	0.014" or 0.356mm	circular(R) or elliptical (F)	Spray marking ink on screw heads
TS5540-028R/F	0.028" or 0.711mm	circular (R) or elliptical (F)	Spray flux on selective areas of electronic parts
TS5540-046R/F	0.046" or 1.71mm	circular (R) or elliptical (F)	Spray conformal coating on PCBs

\*Individual cone or fan nozzle/cap is available as an optional item

#### Key Benefits:

- Fine mist, low-viscosity fluid spraying for thin-film surface deposits
- Precise and consistent spray coverage with no over-spraying
- Adjustable fluid flow
- Compatible with aggressive fluids
- Positive shut-off/no accidental spraying
- Long life cycle
- Easy integration with automated applications



### TS5540/TS5540F Information

<b>Model</b>	<b>TS5540/TS5540F Stainless Steel Spray Valves</b>
<b>Size</b>	4.1" x 1.0" or 104.1mm x 25.4 mm
<b>Weight</b>	0.73-lb or 331g
<b>Spray Patterns</b>	Circular (round) and elliptical (fan)
<b>Actuating Air Pressure</b>	70 psi or 4.8 bar minimum
<b>Max. Fluid Pressure</b>	100 psi or 6.9 bar
<b>Cycle Rate</b>	400 cycles/min.+
<b>Wetted Parts</b>	303 stainless steel, Delrin® and Teflon®
<b>Fluid Viscosity Range</b>	Up to 5,000 cps
<b>Warranty</b>	One-year limited

### TS5540/TS5540F SUPPORT EQUIPMENT

<b>OK Int'l TS500R Controller</b>	<b>OK Int'l TS1258 Pressure Dispenser</b>
3-stage Microprocessor control: pre-spray, spray and post-spray	Top-located, highly-visible pressure gauge, pressure regulator and fluid outlet port
0.001 to 60.000 seconds repeatable dispense timing control	Relief valve with pull ring
Switch-initiated and terminated spray cycles	¼" standard, 3/8" and 4mm fittings available
Precision air regulator	Dispense fluid with viscosity up to 50,000 cps
Digital programming	100 psi (6.9 bars) operating pressure
Easy setup	Two handles for easy transport
1 – 100 psi (0.1 to 6.9 bar)	Black disposable polyethylene and disposable ferrule for fast fluid changeover