

# TS5000DMP-DCX

Disposable Material Path Rotary Valve



TECHCON™



## Disposable Material Path Rotary Valve TS5000DMP-DCX

---

The TS5000DMP-DCX is a disposable material path rotary valve equipped with a quick access hinged door, for rapid feed-path replacement.

---

Techcon's patented Disposable Material Path (DMP) valve contains a disposable feed screw for easy maintenance and reliable dispensing.

With the feed screw made of Delrin®, the valve is designed for use with two-compound and UV fluids. The DMP valve has a hinged doorway that opens easily so the disposable feed path can be removed, disposed of and replaced within seconds while the line is still in operation. No cleaning or refurbishment of the valve is required

The DMP-DCX is the perfect valve for applications where removing the valve, for cleaning, is inconvenient and costly. With the ability to remove and replace the disposable material path, the valve maintains its accuracy over a greater period of time. With less fluid build up to reduce wear-and-tear on the motor, the valve's usable lifetime is dramatically increased.

The TS5000DMP-DCX Series valve offers three options in feed screw pitch type: 6, 8 and 16 pitch – all DMP inserts are made available with a fixed or rotating color coded tip collar.

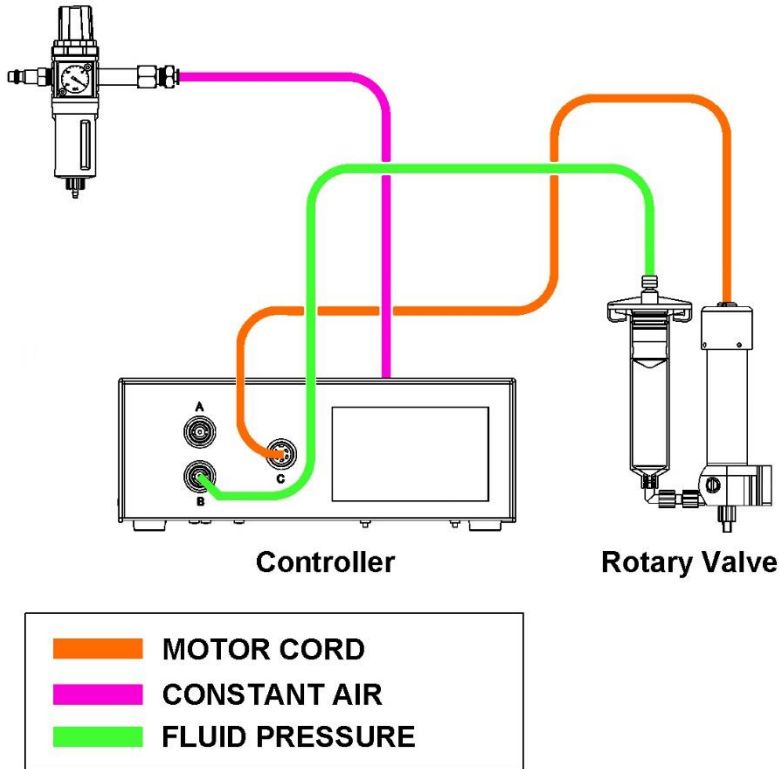
# TS5000DMP-DCX

Disposable Material Path Rotary Valve



TECHCON™

## IDENTIFICATION OF FEATURES



## SPECIFICATIONS & PART NUMBERS

Part Number:	<b>TS5000DMP-DCX</b>
Size (Imperial):	1.56" W x 3.56" L x 5.88" H
Size (Metric):	39.6mm x 90.4mm x 149.4mm
Weight:	0.73 lb (331g)
Fluid Inlet:	Luer lock female
Fluid Outlet:	Luer lock male
Door Opening:	Right hand side
Input Voltage:	5 – 24 VDC
Fluid Pressure:	30 psi (2.07bar) MAX.
Cycle Rate:	300 cycles/min.
Mounting Port:	1"/25.4mm channel
Viscosity Range:	30K – 1 300Kcps
Wetted Parts:	Delrin®, Viton®, Nylon®

The valve is shipped with the following items:

- Mounting Bracket • Syringe Bracket • 30/55cc Receiver Head
- DIN Connector • Sample DMP Kit • Dispense Tip Selection Pack

## ACCESSORIES

- Dispensing Tips: Precision TE tips, TT-RIGID are recommended for this valve.
- Recommended Controller: TS570R

## Key Features & Benefits

- Disposable material path – no cleaning required
- UV compatible full black feed path
- Rotating tip collar option for bent/oval tips
- Motor reverse capability

## Typical Applications

Dispensing:

- Solder paste bead in solar cell tabbing
- Small dots of SMA in PCBA production
- Structural adhesive on flexible PCBA

## For Sales & Support

**Techcon Corporate Headquarters**

10800 Valley View Street, Cypress  
California, 90630, USA.

Tel: 1-714-230-2398

E-mail: [oemorders@okinternational.com](mailto:oemorders@okinternational.com)

**Techcon European Corporate Office**

Eagle Close, Chandler's Ford Industrial Estate,  
Eastleigh, Hampshire, SO53 4NF, UK.

Tel: +44 2380 489 100

E-mail: [europa-orders@okinternational.com](mailto:europa-orders@okinternational.com)

Or visit [www.techcon.com](http://www.techcon.com)