Product Data Sheet

DMP Inserts

Disposable Material Path (DMP) inserts are the core dispensing parts inside Techcon Systems TS5000DMP Series rotary valves. The Delrin® feed screw rotates inside a Delrin® body bore, which transfers fluid through the thread design. When expired, the DMP insert can be exchanged in seconds, whilst the dispensing valve stays on the production line.

Compatible with a wide range of fluids, including UV, 2-part and abrasive fluids. Color coded Luer collars make the feed screw pitch instantly recognisable and a choice of 3 types of feed screw pitch make the valve type very versatile for applications where removing the valve for cleaning is inconvenient and costly.

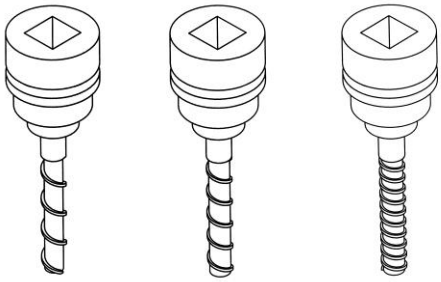
Wetted Parts: Nylon®, Delrin® and Viton®

Viscosity Range: 30K - 1 300Kcps

Pack Size: 10 DMP assemblies

KEY FEATURES AND BENEFITS

- Disposable feed path – no cleaning required
- Can be exchanged in seconds
- Choice of 6, 8 and 16 pitch feed screws
- Choice of fixed or rotating Luer collars
- Ideal for 2-part and abrasive fluids
- Made of Delrin® - UV compatible

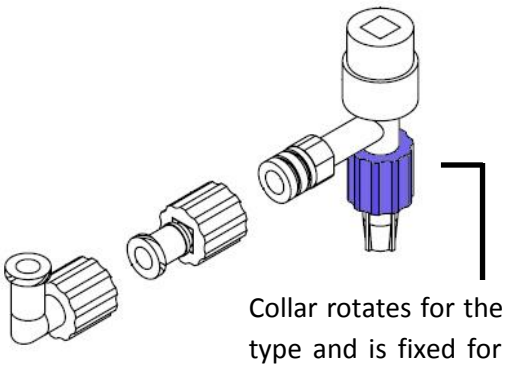


6 pitch 8 pitch 16 pitch

FEED SCREW

6 Pitch	8 Pitch	16 Pitch
Higher dispense rate Lower shot accuracy	⟷	Lower dispense rate Greater shot accuracy

PART NUMBER	PITCH	DESCRIPTION
DMP6-10	6	6 Pitch Insert With Red Fixed Collar
DMP6R-10	6	6 Pitch Insert With Red Rotating Collar
DMP8-10	8	8 Pitch Insert With Black Fixed Collar
DMP8R-10	8	8 Pitch Insert With Black Rotating Collar
DMP16-10	16	16 Pitch Insert With Blue Fixed Collar
DMP16R-10	16	16 Pitch Insert With Blue Rotating Collar



Collar rotates for the “R” type and is fixed for the standard type.

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