

SELECTIVE CONFORMAL COATING AND DISPENSING SOLUTIONS

ROTARY VALVES



ROTARY VALVES CFR50P

Our 'Disposable Material Path (DMP)' valve contains a disposable feed screw for easy maintenance and reliable dispensing. With a feed screw made of Delrin®, the valve is designed for use with two-compound and abrasive materials. The DMP valve has a hinged doorway in the front that opens easily so the disposable auger 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 CFR50P 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 auger, the valve maintains its dispensing accuracy over a greater period of time. And, with less material buildup to reduce wear-and-tear on the motor, the valve's usable lifetime is dramatically increased.

CFR50P has three options in pitch size, 8, 6 and 16 pitch, with additional accessories currently in development. It is no wonder that Techcon Systems is a leader in fluid dispensing innovation.

FEATURES

- Disposable feed path — no cleaning required
- Feed path can be changed in seconds
- Choice of 16 pitch, 8 pitch and 6 pitch feed screws
- Ideal for 2-part and abrasive fluids
- UV compatible
- Closed-loop motor control with encoder feedback (encoder version)

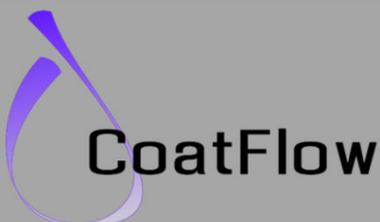
Typical Applications: Die Attach, Surface Mount Adhesive (SMA), Chip Encapsulation, Dam Writing, Thermal Grease, Silver Paste, 2-Part Epoxy



Size W x L x H:	1.45" x 3.6" x 5.88" (37mm x 91mm x 149mm)
Weight:	0.75lb (240g)
Motor:	24VDC MAX
Fluid Inlet:	Female Luer lock
Fluid Outlet:	Male Luer lock
Mounting:	1" (25.4mm) body channel or valve bracket
Maximum Fluid Pressure:	30psi (2.1bar)
Wetted part:	Delrin®, Nylon, Viton®
Cycle Rate:	Exceeds 300 cycles/min
Material Viscosity Range:	30,000 - 1,300,000cps



MATERIALS: CONFORMAL COATINGS, ACRYLICS, URETHANES, SILICONES, RTV, BI-COMPONENT MATERIALS, ETC.



SELECTIVE CONFORMAL COATING AND DISPENSING SOLUTIONS

ROTARY VALVES



ROTARY VALVES CFR70

The CFR70 IMP Rotary Valve is the latest additions to the Rotary Microvalve family. The valve uses a feed screw (auger) to dispense fluid with a rotary displacement action, allowing ultra-precise control of the dispensing process. The valve's modular design allows quick and easy replacement of the feed screw/chamber cartridge assembly without removing the valve from the machine. In addition, the valve cartridge can be interchanged to use with CFR50P feed screw inserts.

The CFR70 IMP valve is available in 4 choices of feed screw sizes (32-pitch, 16-pitch, 8-pitch and high output 8-pitch), all made of precision hardened tool steel. An encoder motor version is available for applications that require closed-loop motor control with encoder feed back.

FEATURES

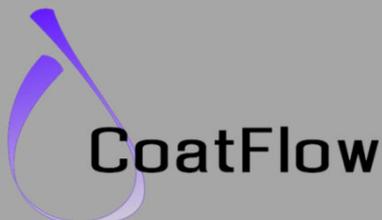
- Quick and easy feed screw/chamber cartridge changeover
- Divorced cartridge assembly design prevents fluids contamination of the motor
- Accurate and repeatable dispensing output
- Precision and durable feed screw/chamber
- Field replaceable spare parts
- Low-maintenance design
- Interchangeable with CFR50P valve body
- Flexible syringe mounting position
- Flexible needle installation position
- Flexible encoder position (encoder version)
- Closed-loop motor control with encoder feed back (encoder version)



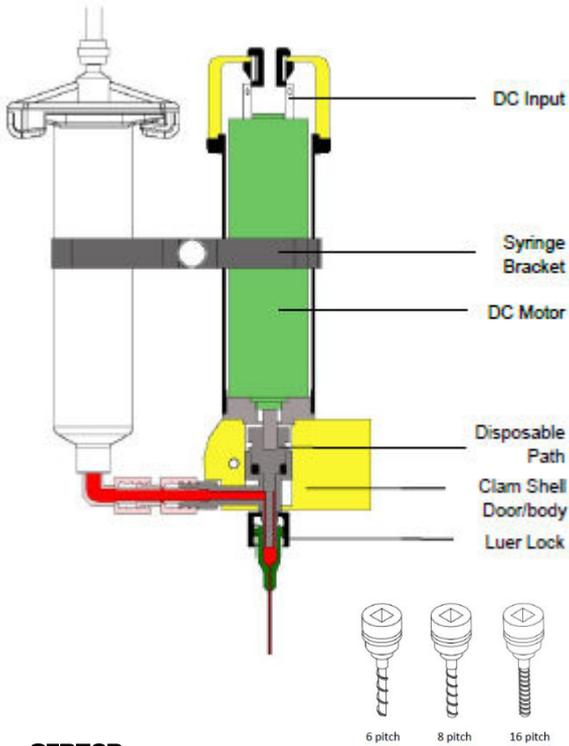
Size W x L x H:	1.5" x 3.7" x 7.7" (38mm x 94mm x 196mm)
Weight:	0.86lb (390g)
Fluid Inlet:	Female Luer lock
Mounting:	1" (25.4mm) body channel or valve bracket
Maximum Fluid Pressure:	30psi (2.1bar)
Wetted part:	Hardened tool steel, stainless steel, UHMWPE
Cycle Rate:	Exceeds 300 cycles/minute
Material Viscosity Range:	30,000 - 1,300,000cps
Size W x L x H:	1.5" x 3.7" x 7.7" (38mm x 94mm x 196mm)



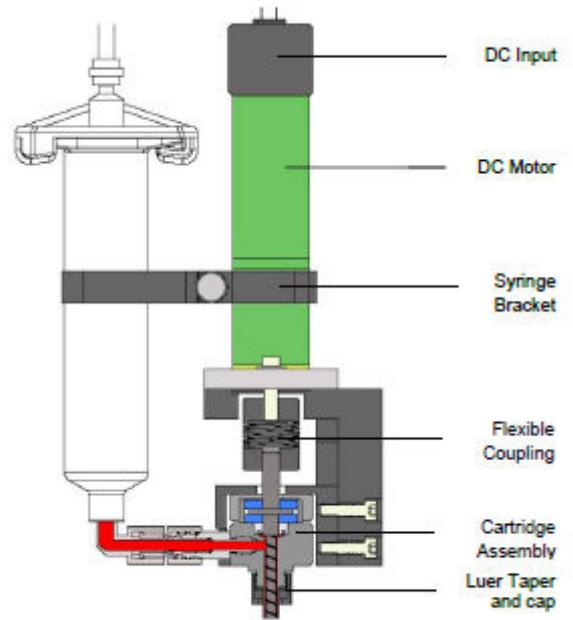
MATERIALS: CONFORMAL COATINGS, ACRYLICS, URETHANES, SILICONES, RTV, BI-COMPONENT MATERIALS, ETC.



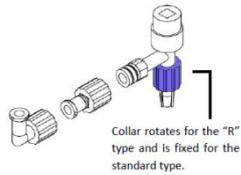
ROTARY VALVES SPECIFICATIONS



CFR50P



CFR70



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