

## COATFLOW Solutions

Protecting your success

Mas INFO

## SELECTIVE CONFORMAL COATING AND DISPENSING SOLUTIONS



## ROTARY VALVE DMP CFR50P (BALL SCREW)

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-COMPONENT 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 BUILDOUP TO REDUCE WEAR-AND-TEAR ON THE MOTOR, THE VALVE'S USABLE LIFETIME IS DRAMATICALLY INCREASED.

CFR50P HAS THREE OPTIONS IN PITCH SIZE, **8, 8 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

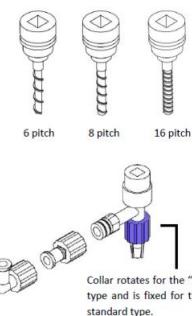
UV COMPATIBLE

CLOSED-LOOP MOTOR CONTROL WITH ENCODER FEEDBACK (ENCODER VERSION)

OPTIMAL INTEGRATION IN CF440 AND CF395IL SERIES COATFLOW ROBOTS WITH TOTAL CONTROL FROM THE SOFT COATCONTROLPRO

**TYPICAL APPLICATIONS:** DIE ATTACH, SURFACE MOUNT ADHESIVE (SMA), CHIP ENCAPSULATION, DAM WRITING, THERMAL GREASE; SILVER PASTE, 2-PART EPOXY

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



Collar rotates for the "R" type and is fixed for the standard type.



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