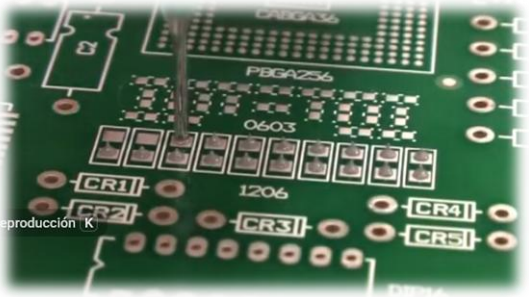


SELECTIVE CONFORMAL COATING AND DISPENSING SOLUTIONS

ROTARY VALVE CFR70 (BALL SCREW)



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.

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)

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









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