

### Dynamic Mix and Dispense 2-Component Materials



Model 2151-482-001 Servo-Mix Dynamic Mixing Valve assembly for product assembly applications

#### Engineered Features

- ▶ Ideal for ensuring a complete homogeneous mix of 2-component materials
- ▶ Variable speed servo motor for low to high speed mixing pre-set in the controller
- ▶ Uses standard plastic disposable mixing tubes which easily attach to the drive shaft
- ▶ Dual independent fluid control valves for part-A and part-B materials to start-stop dispense
- ▶ Independent No-Drip® control valves have tungsten carbide ball needle and seats for long life with abrasive materials
- ▶ Independent control valves are used instead of check valves which are prone to leak causing frequent maintenance issues
- ▶ Independent control valves may be individually controlled to reduce or eliminate lead-lag dispensing issues
- ▶ Independent control valves allow purging the mixer with part-A or part B material
- ▶ Accepts optional temperature control manifold assembly with closed loop transducer for critical curing processes

#### DESCRIPTION

The Servo-Mix Dynamic Mix Valve assembly is the ideal solution for mixing 2-Component materials when static mixing is not adequate. The Servo-Mix Valve assembly is designed for difficult to mix materials, ensures a homogeneous mix occurs by combining the rotary dynamic mixing principle with a low cost disposable mixing chamber. No solvent flushing required.

#### APPLICATIONS

Material dispensing applications include mixing 2-part epoxy, silicone and polyurethane. The Dynamic Mixing Valve assembly is ideal for product assembly processes in bonding, potting, gasketing, coating and filling applications for applications in aircraft, contractor, defense, electronics, filters, marine, medical. Sporting goods, automotive, truck and bus dispensing applications.

# 2151-482 Series Servo-Mix™ Dynamic Mix Valve

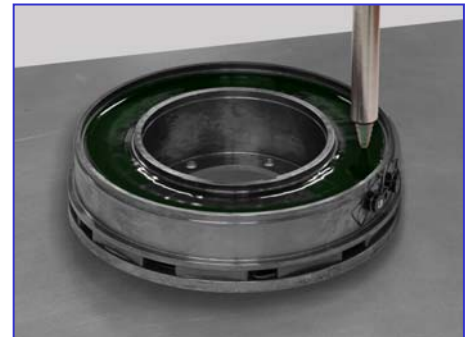


2151-482-000 Servo-Mix Valve Assembly with Material Temperature Control Manifold Assembly for heat and cool water circulation control

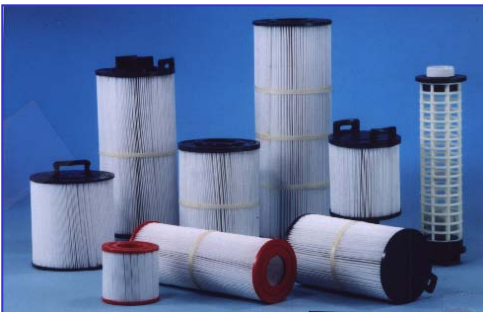
## Typical Applications:



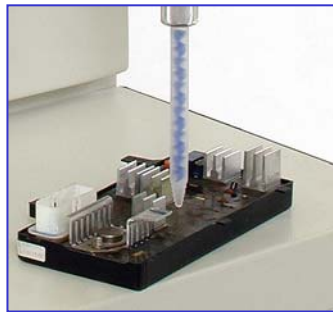
Encapsulating Electronics with foam



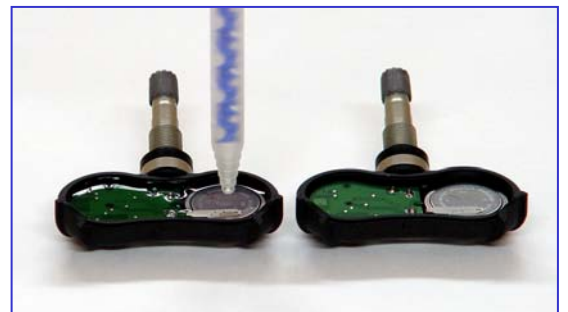
Potting Electro-magnetic Components



Molding Filters End-Caps



Potting/Bonding PC Boards



Potting Critical Electronic Modules

Form 2151-482-001



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