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Find the *IVEK 2000 Series* at our website: ***Click HERE***

Precision Liquid Dispensing, Metering & Ceramic Pumps



(shown here with pump modules attached)

MOTOR BASES

Linear Actuator Module

The patented 2000 Series Linear Actuator Module is comprised of a motor and leadscrew to drive the Micro/Macro Linear Pump Module, and a connector to interface with a Single Channel Linear Controller or Multiple Channel Linear Controller. Linear motion provides the function of filling the pump chamber with fluid and incrementally displacing fluid from the chamber. Rotary motion provides selective valving of the piston to either the fluid intake port or discharge port. Integral to the Actuator Module is an electromagnetic clutch/brake mechanism and lead screw (either 20-pitch or 40-pitch). The 20-pitch Actuator Module is used with Macro Linear Pump Modules (B, C and D sizes) and the 40-pitch Actuator Module is used with Micro Linear Pump Modules (A, 2A, 3A and 4A sizes).

Features:

- Digital volumetric adjustment (2000 increments across displacement range)
- Pulse-free linear motion (fluid flow profile)
- 20-pitch or 40-pitch models available
- Four output port positions available
- Interchangeable pump modules
- Encoder option for continuous verification of all linear (displacement) and rotary (valving) motions
- Non-sparking – no brushes or commutators
- CE certificate available

This Actuator Module is used with the following modules:

- Single Channel 2000 series Controller Module
- Multiple Channel 2000 series Controller Module
- Digifeeder 2002 Metering Controller Module
- Micro Linear Pump Module
- Macro Linear Pump Module

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