PK2D

2 Component Dispenser Variable Mix Ratio





Applications

Adhesive/Sealants Potting/Encapsulants Paints/Coatings

Markets

General Industrial Electrical/Electronic Automotive Military/Aerospace Industries.

PK2D Animation



Features and Benefits

- Linear Displacement Pump (LDP) Double acting positive displacement rod pumps (Patented)
 - Continuous metered flow (virtually pulse-free) = Shorter Cycle Time
 - Two Component Variable Mix Ratio -1:1 to 100:1 (+/-1%) = Long Term Utility
 - Dynamic flow rate control 1cc/min. to >gal/min. = Precision Flow Control
 - Viscosity range 1cps to heavy non-flow abrasive compounds = Universal Pump Utility
 - Pressure range 1psi to >3,000psi = Universal Pump Utility
 - No Pistons, Check Valves, Flow Meters = No Slip Factor, No Calibration, Reliability
 - Low shear = Density Integrity of Syntactic Compounds
- Cross-Over Valve (XV2) Automated 4-way directional flow control valve (Patented)
 - Replaces check valves for load/dispense functions during LPD reciprocations = Reliability
 - Allows pressure balancing inlet/outlet pressures = Continuous Pulse-Free Metered Flow
- PLC Servo Motor Pump Drives Control
 - Enables Precision Mix Ratio, Flow Control and Factory Automated



Control Functions

- Windows HMI Touch Screen
- No Mechanical Control Adjustments,
 Statistical Process Reporting (SPR), Control Integrations, Diagnostic Troubleshooting, PM Monitoring, Remote Control Access

Standard Features

- Linear Displacement Pumps (LDP)
- Cross-Over Valves (XV2)
- PLC Controlled Servo Drives
- Touch Screen Control Interface (6" Mono Chrome)
- Dispense Valve Gun
- Cabinet Casters
- Dispense Modes: Manual / Programmable



Optional Features

- Windows HMI 10" Color Touch Screen
- Customized HMI Control Screens. Statistical Process Reporting (SPR), Remote Access, Control Integrations, Diagnostic Troubleshooting, PM Monitoring
- Material Supply Sensors (MSS) Inlet Material Sensors
- Liquid Level Sensors Pressure Pots, Pails, Drums, Totes
- Auto Pressure Balancing Inlet Supply / Outlet Dispense Pressures
- Static Mounted Dispense Valve Foot Switch or Robotic Activation
- Robotic Integration Start/Stop, Flow Control, Purge/Flush Control
- Type X Air Purge Class I, Div1, Group D
- Duplex LDP Metering





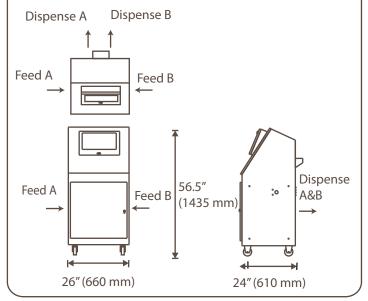
Mix ratio range A:B1:1 to 100:1*
Mix ratio tolerance range±1%*
Minimum shot size0.5 g/0.018 oz)*
Minimum flow rate5 cc/min (0.17 fl.oz/min)*
Maximum flow rate10,000 cc/min (2.7 gal/min)*
Maximum fluid working pressure>3,000 psi*
Air supply pressure range5-8.5 kg/cm ² (80-120 psi) @ 20 CFM
Operating temperature range 4 to 60 C (40 to 140 F)
Electrical requirements:120 VAC (60 Hz) 1Φ, 20 amps
220 VAC (60 Hz) 1Ф, 10 amps
Wetted materials .303, 316 SS, TFE UHMWPE, anodized aluminum
Viscosity range of fluids1 cps to Non-flow abrasive comp.
Fluid HandledOne or two components
(epoxies, urethanes, silicones, acrylics, polyesters)

^{*}Application dependent

- Material Supply Pressure Pots / Transfer Pumps
- Signal Tower LED Light/Audible Alarm
- Mobile Self Contained Platforms
- Overhead Jib Crane
- TFE SS Braided Hose Assemblies
- Thermostatic Controlled Heating Solutions



Dimension Drawings for PK2D. All dimensions are in inches (millimeters).



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