

PK2D

2 Component Dispenser
Variable Mix Ratio



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 (XV4) – 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
- 10" Color HMI Touch Screen
 - No Mechanical Control Adjustments, Statistical Process Reporting (SPR), Control Integrations,



Diagnostic
Troubleshooting, PM
Monitoring, Remote
Control Access



Applications

Adhesive/Sealants
Potting/Encapsulants
Paints/Coatings

Markets

General Industrial
Electrical/Electronic
Automotive
Military/Aerospace Industries.

PK2D Animation



Standard Features

- Linear Displacement Pumps (LDP)
- Cross-Over Valves (XV4)
- PLC Controlled Servo Drives
- Touch Screen Control Interface (6" Mono Chrome)
- Dispense Valve Gun
- Cabinet Casters
- Dispense Modes: Manual / Programmable



Optional Features

- Customized HMI Control Screens.
- WIFI & LAN industrial router - Allows HMI & PLC update and remote troubleshooting
- Statistical Process Reporting (SPR), Control Integrations, Diagnostic Troubleshooting, PM Monitoring
- 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
- Optical and pressure transducer Level Sensors for Pressure Pots, Pails, Drums, Totes
- Material Supply Sensors (MSS) – Inlet Material Sensors



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



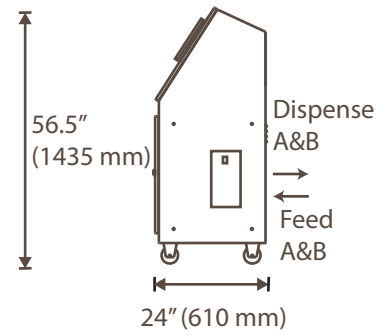
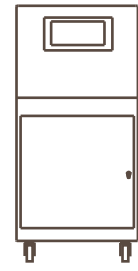
Technical Specifications

Mix ratio range A:B1:1 to 100:1*
 Mix ratio tolerance range ±1%*
 Minimum shot size.....0.5 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 range.....5-8.5 kg/cm²(80-120 psi) @ 20 CFM
 Operating temperature range 4 to 60 C (40 to 140 F)
 Electrical requirements:120 VAC (60 Hz) 1Φ, 12 amps
220 VAC (60 Hz) 1Φ, 12 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

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

Dispense A Dispense B
 Feed A ↑↑ ↓↓ Feed B



26" (660 mm)

56.5"
(1435 mm)

24" (610 mm)



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