



INNOVATION. **PRECISION.** EXCELLENCE.



Pump Specifications

Material Packaging

Five Gallon Straight Wall Metal Pail

Maximum Fluid Pressure

800 psi

Fluid Outlet

1" NPT(F)

Wetted Parts

Seals: Viton

Ram: Aluminum, Stainless Steel



PVA-5GPU

Five Gallon Hydraulic Metering Pump

The PVA-5GPU Hydraulic Extrusion Pump is a heavy-duty extrusion pump designed specifically for extruding thermal interface materials (TIM) to a dispense head. TIM materials are generally heavily filled; extremely abrasive pastes that require specialized processing equipment in order to prevent separation and degradation of the material mechanical properties and performance.

The PVA-5GPU provides an optimal solution for processing TIM materials by "extruding" the material from a 5-gallon pail using a hydraulic ram cylinder rather than pumping using a traditional reciprocating pail pump. Requiring no internal moving parts, the PVA-5GPU efficiently transfers the material without altering the material properties and with virtually zero maintenance required.

The PVA-5GPU has many integrated features including:

- Hydraulic RAM pump with follower plate
- Pulse free flow
- Only one moving pump component provides maintenance free operation
- Low shear resulting in no material degradation or separation
- Works with straight wall steel pail
- Linear encoder for pail level feedback
- Push button control interface

For more information, please contact PVA at info@pva.net or contact your local representative.

REV A - 12/11/24

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PVA-5PU Operation and Dimensions

