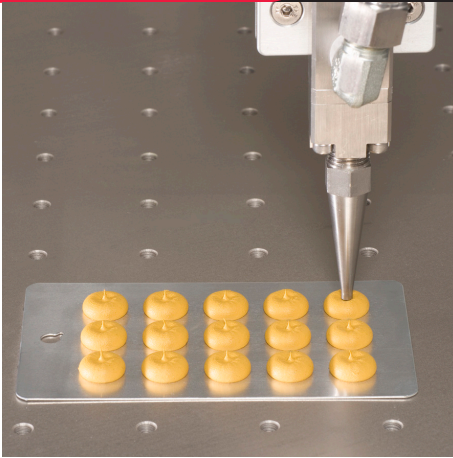




**WHERE  
PRECISION  
DRIVES  
PRODUCTION**



## SYSTEM SPECIFICATIONS

**Material Packaging**  
One-Gallon Metal Pail

**Maximum Fluid Pressure**  
1000 psi

**Inlet Air Pressure**  
70-100 psi

**Fluid Outlet**  
1" NPT(F)

**Wetted Parts**  
Seals: Buna  
Ram: Aluminum, Stainless Steel

## PVA-1GPU One Gallon Hydraulic Metering Pump

The PVA-1GPU is a hydraulic pump that is ideal for dispensing highly abrasive, highly viscous pastes and compounds packaged in one-gallon metal pails. The PVA-1GPU operates as a hydraulic press and extrudes material from the pail rather than pumping it like a typical reciprocating pump. The extrusion process minimizes shear and maintains material integrity.

Material is extruded from the pail as a hydraulic intensifier pump forces a ram and follower plate into the container. An opening in the center of the follower plate allows material to flow out of the pump and into high-pressure material lines to be dispensed.

The PVA-1GPU has many integrated features including:

- Hydraulic RAM pump with follower plate
- Virtually pulse free flow resulting in consistent bead diameter
- Only one moving pump component provides virtually maintenance free operation
- Low shear resulting in a homogeneous material supply
- Hydraulic process eliminates the possibility of pump cavitation
- Fully pneumatic operation

For more information, please contact PVA at [info@pva.net](mailto:info@pva.net) or (518) 371-2684.



# PVA-1GPU Operation and Dimensions

