

# Positive Displacement Metering Rod Valves

- For low to high viscosity materials with various wetted component configurations for abrasive filled, or corrosive materials
- Pneumatically-controlled valves with micrometer adjustable dispense volumes for accurate, repeatable shot dispensing<sub>3</sub>
- Servo-driven valves for programmable, precise shot or bead dispensing<sub>4</sub>
- High-feed pressure ratings for minimal reload times and fast cycle rates<sub>5</sub>
- Pneumatic and electronic controls that can be integrated for automated applications

## Micrometer stroke adjustment or servo motor drive option

Provides precise and adjustable dispense volume output

## Positive displacement metering rod technology

Provides repeatable volume dispense for batch, bead, or dot-to-dot applications

## Heated body (optional)

For applications requiring heat

## Wetted components

Broad range of material compatibility with corrosive or abrasive materials

## Tool mount configuration

Easily mounts to automation platforms, cycle detection option for process monitoring

## Isolated feed/dispensing shuttle valve technology

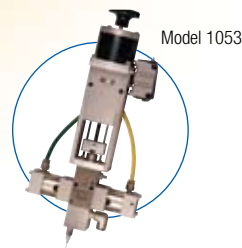
Ensures repeatable loading and dispense cycles without material feed-through issues

## High pressure material feed rating

Provides fast cycle times and dispenses higher viscosity materials

## Positive Displacement Metering Rod Valve Models:

1052, 1053, 1092, 1093, 1095, 1206, 1230 (1052 shown)



## HOW IT WORKS

### Fill Mode 1

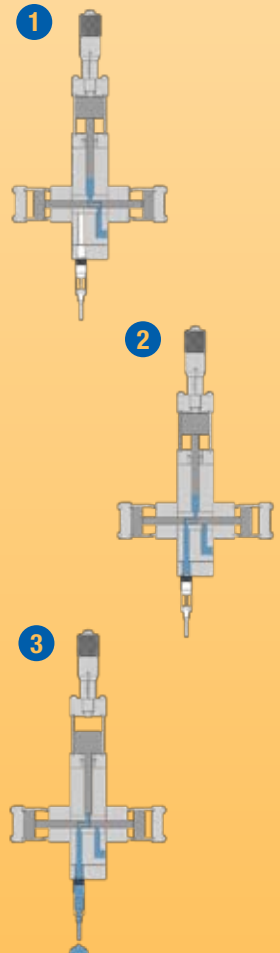
The shuttle spool is positioned to open the inlet port while isolating the outlet port. Material enters the metering chamber as the metering rod retracts.

### Dispense Ready 2

The spool is positioned to connect the metering chamber to the outlet port providing a material flow path to the dispense needle(s). The shuttle valve also obstructs the material flow path from the inlet port.

### Dispense Mode 3

The metering rod is extended into the metering chamber, to displace the material. Total volume dispensed is a function of rod size and shot size setting from micrometer stroke adjustment.



# DispenseRite

metermixdispense.com 866 967 4660

3. 1052, 1092, 1206 and 1230 only; 4. 1053 and 1093 only; 5. 1206 and 1230 have lower feed pressure ratings

Note: 1052 shown