

Designed for accurate single shot or custom multi-needle block dispensing applications.



# Dispensit<sup>®</sup> Model 1052 & 1053

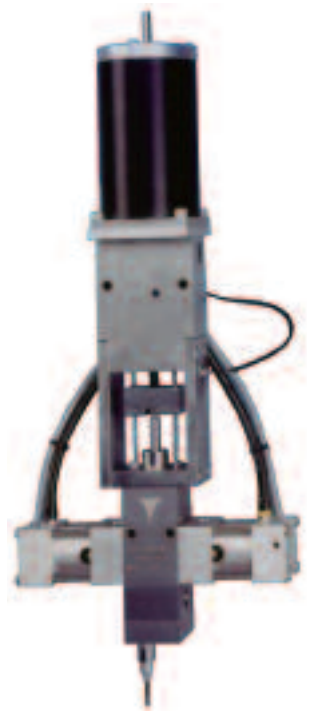
## Rod Positive Displacement Dispense Valve

### Features & Benefits

- Positive displacement
- Precision repeatable shot-to-shot volumetric displacement
- Micrometer stroke adjustment on the 1052 model
- Programmable electric drive on 1053 model
- Stainless steel or hardened wetted components
- Easily integrated with automated equipment
- Programmable shot and continuous flow on model 1053
- Compatible with a wide variety of materials



*The Dispensit Model 1052-10A  
Rod Positive Displacement Valve  
with Luer Lock Needle.*



*The Dispensit Model 1053  
Programmable Motor Rod Positive Displacement  
Dispense Valve with Luer Lock Needle.*

## Specifications

The Model 1052 rod positive displacement valve is designed for accurate single shot or custom multi-needle block dispensing applications. For programmable and continuous bead applications, refer to model 1053.

Dispensit's model 1052 & 1053 rod positive displacement dispense valve is ideal for:

- Acrylics
- UV Curables
- Sealants
- Greases
- Urethanes
- Silicone Oil
- Epoxies
- Filled Materials
- Lubricants
- RTV Silicone
- Dampening Compounds
- Heat Sink Compounds

## Optional Features

- Cycle Detection
- Abrasive Service
- Custom multi-needle dispense blocks
- Servo motor controller

## Service Requirements

Pneumatic: ..... 70 PSI non-lubricated air system  
 Material: ..... Maximum 1200 PSI inlet pressure  
 Weight: ..... 2.5 lbs.

| PRODUCT CODE          | VOLUMETRIC OUTPUT       | DOT SIZE DIA  | NEEDLE GAUGE*** | POWER |
|-----------------------|-------------------------|---------------|-----------------|-------|
| 1052-10A-2(*)(**)-062 | 0.002 cc's - 0.050 cc's | 0.078"-0.228" | 25-22           | 260:1 |
| 1052-10A-2(*)(**)-125 | 0.006 cc's - 0.200 cc's | 0.112"-0.362" | 24-18           | 65:1  |
| 1052-10A-2(*)(**)-188 | 0.013 cc's - 0.452 cc's | 0.145"-0.476" | 20-18           | 28:1  |
| 1052-10A-2(*)(**)-250 | 0.024 cc's - 0.804 cc's | 0.178"-0.576" | 18-14           | 16:1  |
| 1052-10A-2(*)(**)-375 | 0.054 cc's - 1.800 cc's | 0.234"-0.754" | 14-12           | 7:1   |

| PRODUCT CODE          | VOLUMETRIC OUTPUT       | DOT SIZE DIA | NEEDLE GAUGE*** | STROKE       |
|-----------------------|-------------------------|--------------|-----------------|--------------|
| 1053-10B-2(*)(**)-062 | 0.002 cc's - 0.050 cc's | 0.062"       | 25-22           | 1" (2.54 cm) |
| 1053-10B-2(*)(**)-125 | 0.006 cc's - 0.200 cc's | 0.125"       | 24-18           | 1" (2.54 cm) |
| 1053-10B-2(*)(**)-188 | 0.013 cc's - 0.452 cc's | 0.188"       | 20-18           | 1" (2.54 cm) |
| 1053-10B-2(*)(**)-250 | 0.024 cc's - 0.804 cc's | 0.250"       | 18-14           | 1" (2.54 cm) |
| 1053-10B-2(*)(**)-375 | 0.054 cc's - 1.800 cc's | 0.375"       | 14-12           | 1" (2.54 cm) |
| 1053-10B-4(*)(**)-375 | 0.054 cc's - 3.600 cc's | 0.375"       | 14-12           | 2" (5 cm)    |

\*S = Stainless steel body; tool steel metering rod, spool and sleeve

\*T = Stainless steel body, spool and metering rod; Teflon sleeve

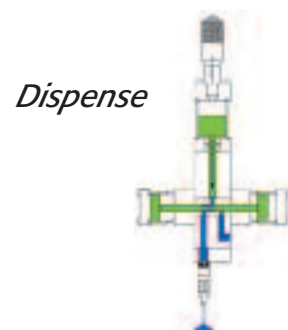
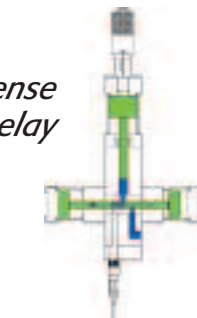
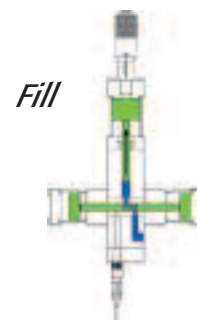
H = Heated body and needle block - Consult factory

\*\*\* Needle gauges are application specific; subject to test.

\*\* 1 = Single Luer Lock needle

\*\* 5 = Multi-needle dispense block; 1.25 in2

\*\* 6 = Multi-needle dispense block; 2 in2



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 or visit us at [www.graco.com](http://www.graco.com) or [www.liquidcontrol.com](http://www.liquidcontrol.com)

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