

# microglue® HP Cold Glue Valve

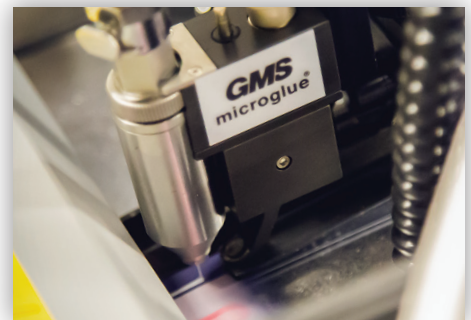


**Deliver precise pattern control and sharp adhesive cutoff with fugitive, permanent or pressure sensitive adhesives.**

Featuring a tip sealing mechanism and three-way valve, the HP Series Electric Adhesive Guns deliver outstanding cut-off in a compact and efficient design. Its ability to work with a wide range of adhesive viscosities makes the HP well suited for a range of applications including direct mail, packaging and paper converting.

## Get these immediate benefits:

- Easily achieve exact pattern consistency between glue guns by using the adjustable valve stroke dial to vary adhesive volume dispensed during operation
- Deliver varied glue line/ dot volumes without having to change nozzle diameters
- Produce small dots at high speeds, running up to 30,000 cycles per minute (1000Hz)
- Quickly and easily cleans the system using a three-way, easy clean valve and electric purge switch
- Offers a corrosion-resistant ceramic ball and stainless-steel seat for increased longevity
- Reduce the need for wiping or cleaning the nozzle in-between uses with a pneumatically powered shutter mechanism that automatically opens and closes when the machine starts and stops
- Shutter mechanism features a rubber pad that securely covers the nozzle orifice to ensure any remaining glue does not dry in the nozzle cavity



*HP cold glue valves guarantee a clean, high-speed application with minimal maintenance*



*Ideally suited to work with microglue® and other high-speed web press and commercial folder applications*



*HP valve shown on heavy duty mounting bracket with Easy Clean and shutter mechanism*



*HP valve shown on standard mounting bracket with shutter mechanism*



*Combine with microglue® pattern controllers for unparalleled performance*

## Features:

- Total cycle time is less than 1 ms with adhesives under 100 cps, and under 2 ms for adhesives between 100 and 400 cps
- Pneumatically-controlled tip sealing shutter mechanism
- Adjustable valve stroke dial
- Corrosion-resistant, three-way easy clean valve
- HP valves are rated for 100% duty cycle, even during high-speed stitching



*Automatic shutter mechanism reduces the need for cleaning the nozzle between uses*



*Optional built-in easy clean system for fast adhesive purge processes*

## Specifications:

Maximum Pressure:	125 psi
Maximum Viscosity*:	2,000 cps
Electrical Connection:	Hirose 6 pin quick disconnect
Electrical Requirements:	12VDC with 0.75-1.25 ms 48 VDC spike
Nozzle Diameter Range:	0.0055 in to 0.024 in (0.15 mm to 0.6 mm)

*\* Performance will be affected by higher viscosity adhesives. Recommended viscosity is 400cps for optimum performance. Higher viscosities can slow cycle rates and minimum duration.*

## Performance Parameters:

Maximum Cycle Rate/ Minute for Stitch or Dot Operation:	60,000 cpm (1000 Hz) < 100 cps 30,000 cpm (500 Hz) > 100 cps
Minimum Pattern Length:	0.8 ms +/- 0.3ms
Minimum Pattern Gap:	0.8 ms +/- 0.3ms
Minimum Dot Size @ 1000 ft/min:	0.2125 in. / 1000 ft / min

## Electrical Specifications:

Coil Resistance:	18 Ohms
Optimum Control Signal:	48 VDC for 1ms hold at 12 VDC
Power Consumption:	8 watts during hold



**For more information, visit [microglue.com](http://microglue.com) or contact your local representative.**

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