

Liquid Proportional Flow Control for Liquid Applications

MAC Valves Series PFC

THE PRECISION OF STEPPER MOTOR TECHNOLOGY



- High precision
- Accurate response times
- Low hysteresis



THE POWER OF THE LIQUID BULLET VALVE®



- High repeatability
- Accurate response times
- High flow flexibility
- Wide range of gases & liquids
- Low leak performance

**HIGH PRECISION LIQUID
PROPORTIONAL FLOW CONTROL**

FEATURES

- ✓ 2 and 3-way functions
- ✓ Liquids or gases
- ✓ Diaphragm & D-seal configurations
- ✓ Various Motor Sizes
- ✓ Nema 8 (20mm x 20mm)
- ✓ Nema 14 (35 mm x 35 mm)
- ✓ MAC PCB driver power: 24 VDC
- ✓ Command signals: 4-20 mA or 0-10 VDC
- ✓ BVX10, BVX14, BVX21

BENEFITS OF PFC IN LIQUID DISPENSING ALREADY USED IN THE INDUSTRY

- ✓ Customized calibration available with optional driver circuit
- ✓ Very high flexibility in manifold footprint
- ✓ Optional food grade modification
- ✓ Small size for better integration
- ✓ Drop-in solution

MAC Valves - Highly engineered solutions for the highest performing applications since 1948



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MAC Valves Europe Inc, Liège, Belgium - MAC Valves Asia Inc, Taiwan

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TECHNICAL DATA

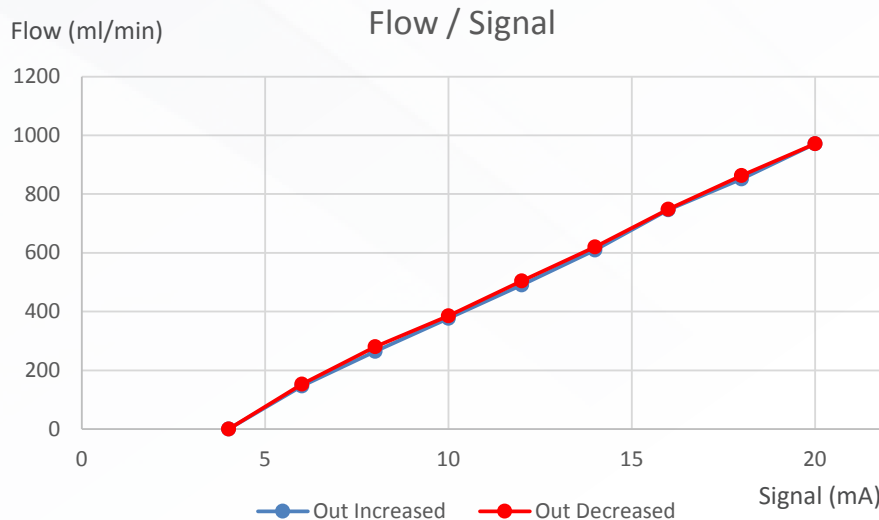
Function:	2-way and 3-way
Type:	Cartridge style
Command:	4 to 20 mA - 0 to 10 VDC (with optional driver circuit)
Manifold mounting:	Very flexible cartridge style
Media:	Liquids / fluids D-Flex™ (MAC patented diaphragm technology)

Stepper motor quickly and precisely controls fluid flow through the Bullet Valve® maintaining application requirements.

MAC PROPORTIONAL FLOW CONTROL - LINEARITY

The very low hysteresis cycle of the MAC PFC guarantees a constant flow through the PFC for opening or closing signal.

Signal	ml / min at 29 PSI	
	Out incr.	Out decr.
4	0	0
6	146.4	153.4
8	264.6	280.2
10	377	385.4
12	490.8	504.2
14	609.8	620.4
16	746.4	748
18	851.2	863.2
20	971.8	



Note: Above values result from trials and are for illustration purposes only - Flow and calibration can be adapted to customer requirements.

YOUTUBE



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3500 factory certified specialists in over 45 countries focused on optimizing customers needs

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