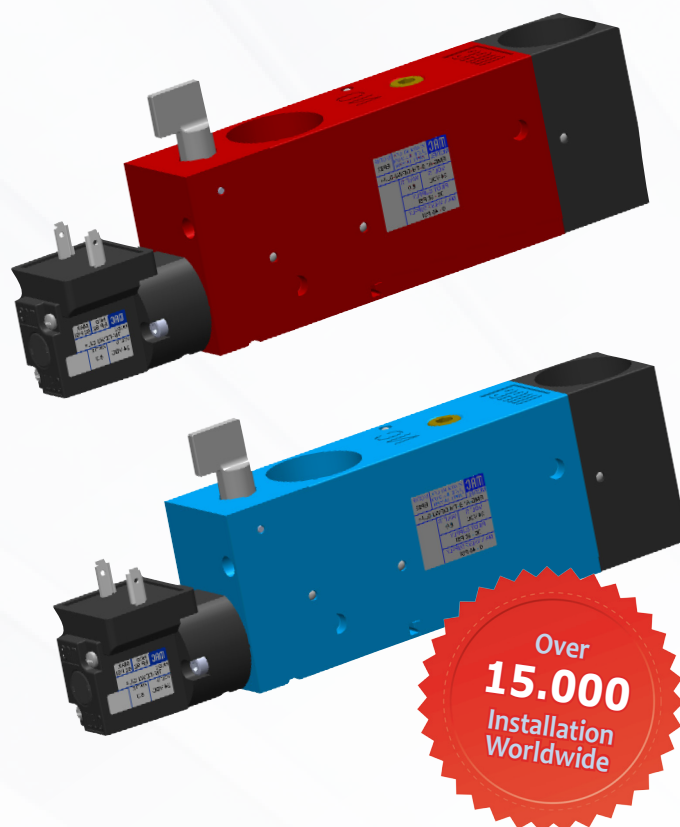


New Generation High Flow Individual Solenoid Valve for 26 Line Blocks

Designed for Glass Applications



- Drop-in solution - Quick & easy exchange
- **New 2019 - 3-Position detented manual override - Ergonomically comparable in operation with the original solution**
- **New 2019 - MAC technology balanced 3-way pilot for a significantly longer lifetime**
- High flow characteristics (up to 3000 NI/min) in a very compact package
- No cartridge - Spool technology for higher flow, less parts, more reliability
- Designed to work in harsh environments
- High resistance to contamination and pressure variation
- Highly durable, accurate switching, increased reliability
- Fast switching response times
- High temperature modification up to 80°C for complete valve (coil included)
- Less downtime - Increased pack to melt
- Fully repairable main valve with replaceable pilot
- Color code to identify NO/NC valves (Red = NO / Blue = NC)
- 100 million cycles (est.) MTBF life time



TECHNICAL DATA*

Fluid:	Compressed air, vacuum, inert gases
Pressure range:	External pilot 0 to 3 bar / 0 to 45 PSI
Pilot pressure:	2.5 to 4 bar / 37.5 to 60 PSI
Lubrication:	Not required - If used consult factory
Air purity:	ISO 8573-1743
Temperature:	Up to + 80°C / Up to 176°F
Flow (at 6 bar, $\Delta P = 1$ bar):	Up to 3000 NI/min - Cv 3.0
Coil:	Encapsulated - Class F wires - Long energization
Voltage range:	-15% to +10% of nominal voltage
MOD. EP92:	Viton seals, spool and poppet - High temperature grease - Glass industry manual override design

* Tested on a new valve as per the conditions described in the MAC Valves test procedures, assembly instructions and modification



MAC Valves Inc, Wixom, Michigan - MAC Valves Inc, Dundee, Michigan
MAC Valves Europe Inc, Liège, Belgium - MAC Valves Asia Inc, Taiwan

To find your local distributor, visit www.macvalves.com



New Generation High Flow Individual Solenoid Valve for 26 Line Blocks Designed for Glass Applications



RESPONSE TIMES COMPARISON *

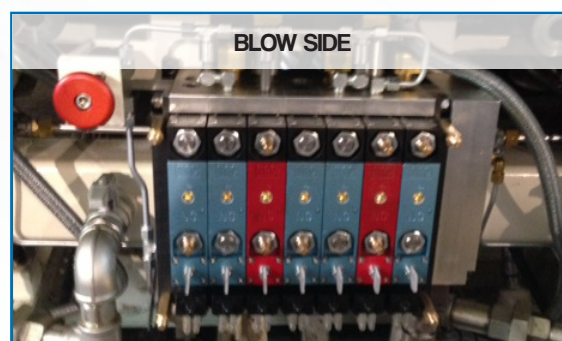
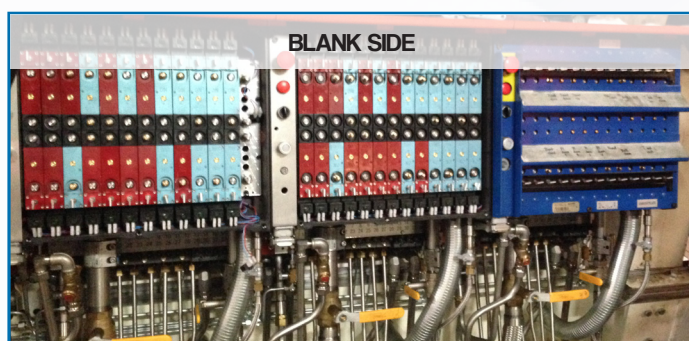
	MAC Valves				OEM Supplied Valves			
	NC ERT	NC DRT	NO ERT	NO DRT	NC ERT	NC DRT	NO ERT	NO DRT
2 bar / 29 PSI	11.4 ms	9.4 ms	11.7 ms	9.6 ms	14.8 ms	21.2 ms	16.4 ms	19.6 ms
3 bar / 43 PSI	9.9 ms	10.1 ms	10.2 ms	10.1 ms	19.6 ms	18 ms	20.4 ms	20 ms
4 bar / 58 PSI	9.4 ms	10.6 ms	9.8 ms	10.5 ms	17.6 ms	18 ms	18.4 ms	20.8 ms

* ERT = Energizing Response Times / DRT = De-energizing Response Times / NO = Normally Open / NC = Normally Closed

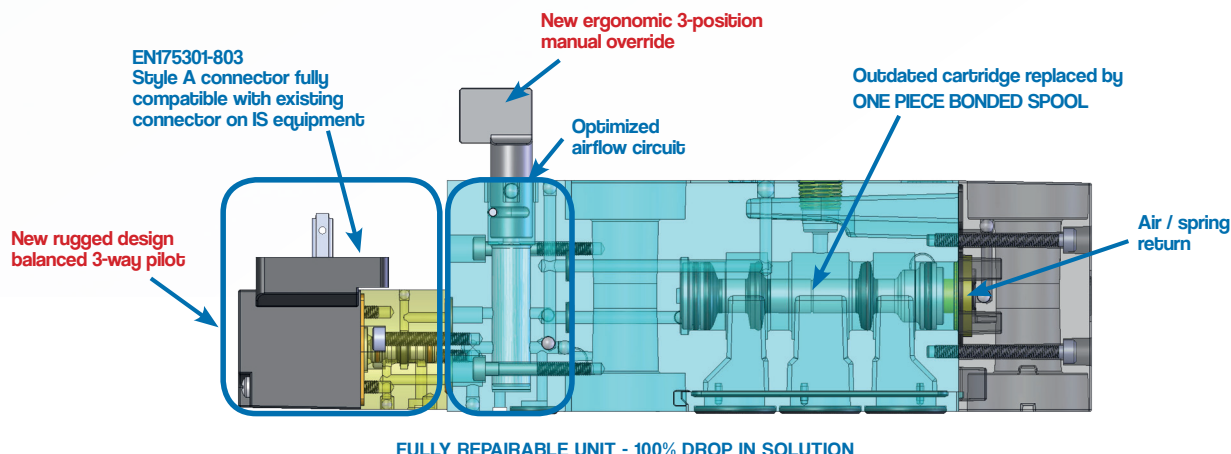
MAC SOLUTION - HOW TO ORDER

Normally Closed (NC):	EMB-A1B-BV3-BFEO-CTR Mod. EP92
Normally Open (NO):	EMB-A2B-BV3-BFEO-CTR Mod. EP92
Pilot Valve:	TM-DEWJ-OJJ Mod. EP92
Repair Kit NC / NO:	K-EM004 / K-EM006
Individual Test Base:	KE-EMA03

MAC SOLUTION



INNOVATIVE FEATURES



FULLY REPAIRABLE UNIT - 100% DROP IN SOLUTION



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

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

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