



### PRODUCT CERTIFICATIONS



**Canadian Registration Number**  
OC13500.5C



**CE Mark Certified to Pressure**  
Equipment Directive 2014/68/EU

### APPLICATION

MGM Model 501 Excess Flow Check Valves are designed to be welded directly into the line. At each end of the valve is pipe, which is provided for a variety of welded installation options. They are made completely of carbon and stainless steel.

Model 501 MGM Excess Flow Check Valves can be installed in any orientation with negligible effect on flow rate. Each valve ships stenciled with the proper closing flow direction on the body. Model 501 is equipped with an orifice in the check mechanism to allow for pressure equalization and will reopen automatically.

### FEATURES

- Designed for welded installation into pipe, ranging from schedule 10 to 160 based on customer requirements.
- Generous flow channels provide minimal pressure drops.
- Heavy duty steel construction will withstand temperatures from -50° F (-45° C) to +300° F (+148° C) and internal pressures up to 2,400 psig (165 barg).
- Complete stainless steel construction available for greater range of operating temperatures.

### FLOW RATINGS

The table below shows the range of flow rates available for common fluids. Please contact MGM for assistance in choosing the proper spring for your specific application.

### STANDARD MATERIALS\*

	Carbon Steel	316 Stainless
<i>Body</i>	<i>Low-temp Carbon</i>	<i>316-SS</i>
<i>Guide</i>	<i>Low-temp Carbon</i>	<i>316-SS</i>
<i>Spring</i>	--- 316- or 302-SS ---	
<i>Poppet (incl. nut and cotter pin)</i>	--- 316-SS ---	

*\*Alternative materials available at additional cost*

Series Number	Available Closing Flow Ranges - Approximate Flow in GPM Liquid*		Dimensions (inches)		
	Propane	Ammonia	Pipe Size	A	B
501:E	7-29	6-27	0.75"	16.81	4.81"
501:F	11-53	10-48	1.00"	17.17	5.13"
501:H	112	102	1.50"	18.31	6.31"
501:I	98-354	89-320	2.00"	18.56	6.56"
501:K	98-354	89-320	3.00"	18.63	6.56"

*\*Contact MGM for flow rates of other fluids*