

98014- Digital Hi-Speed Control Valve

Description

A high speed digital control valve adapted to control outlet flow of high pressure gas vessels. Valve designed for motion effectively independent of pressure and/or flow forces. Designed without mechanical bias, but uses residual magnetism and a proprietary control circuit to latch spool in full open or closed positions without the application of constant current. Mechanical design and control circuitry covered by multiple patents both issued and applied for.



Features:

- Fast response
- Control flexibility
- Custom mounting configuration
- Matched electronics
- Low power consumption
- Fail safe control

Typical Specifications:

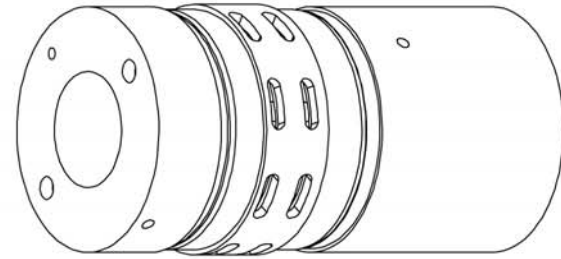
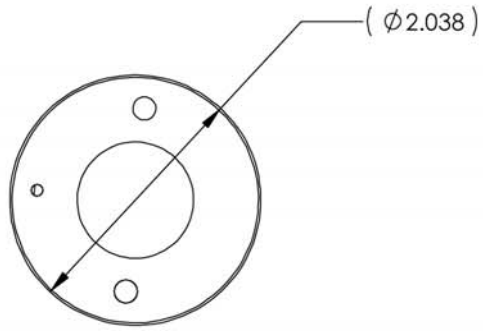
English (metric as applies)

Stroke (can be designed to specification)	Up to .03 inches
Open flow area	Up to .75 square inches
Latching force	Over 15x G applied to spool
Supply voltage	8 to 16 VDC
Response time	.0015 to .003 sec
Durability	>1,000,000 cycles
Current	7.5 amps
Solenoid Force generated	Up to 450 N

Possible Applications:

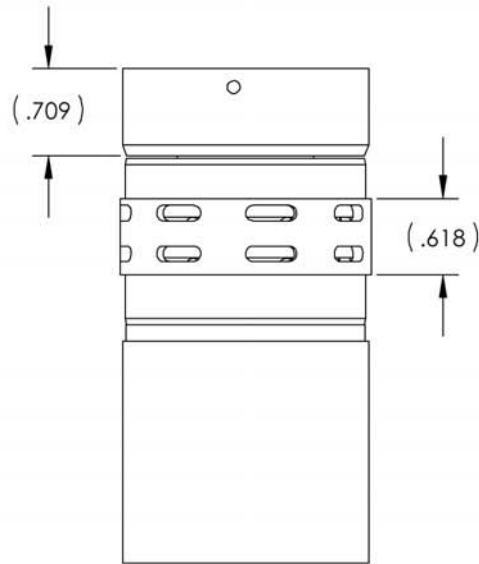
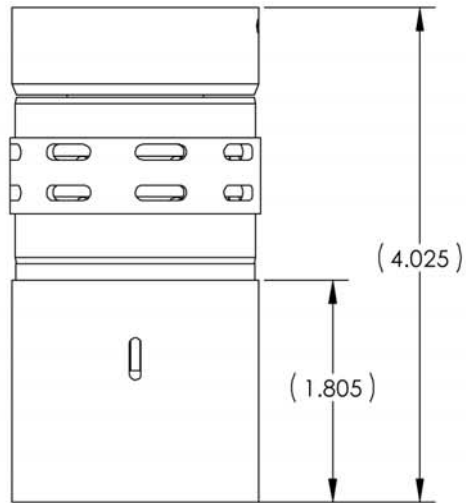
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|-------------------------|-------------------------|----------------------|
| • Vehicle airbags | • Process Fluid control | • Paint systems |
| • Air injection control | • Chemical mixing | • Carpet dye systems |

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SOLENOID FORCE GENERATED	UP TO 450N



UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN: JDM	9/9/9999
TOLERANCES:	CHECKED	
ANGULAR: 1°	ENG APPR.	
TWO PLACE DECIMAL ±.01	MFG APPR.	
THREE PLACE DECIMAL ±.005	Q.A.	
INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:	
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

TLX TECHNOLOGIES		
TITLE:		
DIGITAL HIGH SPEED CONTROL VALVE		
SIZE	DWG. NO.	REV
B	98014-WEB	
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL
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