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Find the *Gilson VALVEMATE* at our website: ***Click HERE***

VALVEMATE™
Valve Actuator

Automates HPLC and LC Techniques



- Advanced valve switching instrument saves time to free up lab personnel for other tasks
- Extends column life by allowing sample runs on one column while equilibrating or conditioning another column
- Controls Rheodyne six- and ten-port high-pressure valves with up to six positions. Low-pressure valve options include Hamilton and Rheodyne valves ranging from four to eight ports and up to eight positions

Applications:

- Unattended column switching for purity checks
- Solvent switching in trace enrichment procedures
- Column and pre-column backflushing
- Fraction collection in preparative systems

GILSON®
SOLUTIONS AT WORK FOR YOU

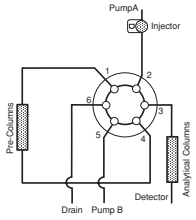
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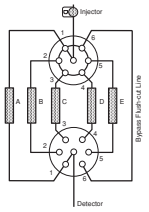
VALVEMATE™ Valve Actuator *Technical Specifications*

High-Pressure Valves	Rheodyne 7000, 2 position, 6 port, switching Rheodyne 7010, 2 position, 6 port, injection Rheodyne 7030, 2 position, 6 port, 3-way Rheodyne 7040, 2 position, 6 port, 4-way Rheodyne 7060, 6 position, selection Rheodyne 7610, 2 position, 10 port, switching Rheodyne 9010, 2 position, 6 port, injection Rheodyne 9030, 2 position, 6 port, 3-way Rheodyne 9060, 6 position, selection			
Low-Pressure Valves	Rheodyne 5011, 6 position, selection Rheodyne 5012, 6 position, selection Rheodyne 5031, 2 position, 6 port, 3-way Rheodyne 5032, 2 position, 6 port, 3-way Rheodyne 5041, 2 position, 6 port, 4-way Rheodyne 5042, 2 position, 6 port, 4-way Hamilton 86905 HVX 4-4, 2 position, 4-opposing Hamilton 86913 HVX 4-5, 4 position, selection Hamilton 86915 HVX 6-5, 6 position, selection Hamilton 86918 HVX 8-5, 8 position, selection			
Display	Two line, 16 characters per line			
Remote Control	Inputs for moving valve one position at a time in clockwise or counter-clockwise direction			
Software Control	Via RS-232 or Gilson Serial Input/Output Channel control (GSIOC), valve can be moved to any position			
Voltage	100-120 VAC, 200 - 240 VAC universal input			
Typical Valve Movement Time	***Movement***	***Time (m/sec)***	***Movement***	***Time (m/sec)***
	45°	62.5	120°	166.7
	60°	83.3	135°	187.5
	90°	125.0	180°	250.0
Operating Temperature	0° to 40° C			
Dimensions (w x d x h)	12.7 x 39.0 x 15.0 cm (5.0 x 15.4 x 5.9 in)			
Weight	6.0 kg (13.3 lbs)			

High-pressure applications

Sample Cleanup

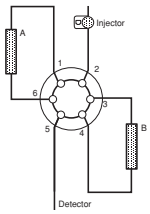




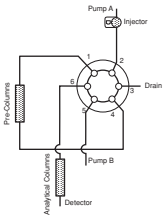
Five Column Switching

In multi-user labs, two VALVEMATES operating in tandem allow easy selection from up to five columns.

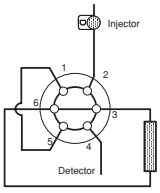
Two Column Switching



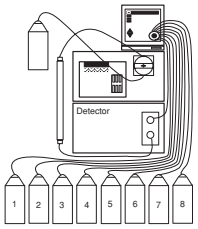
Sample Enrichment



Column Backflushing

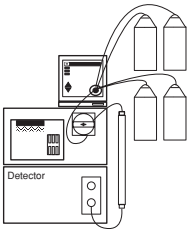


Low-pressure applications



Fraction Collection

The VALVEMATE can function as a preparative fraction collector with detector eluent directed to a low-pressure valve.



Mobile Phase Selection

With a low-pressure valve connected to the pump inlet, the VALVEMATE can switch solvents to create a step gradient. This can also provide a way to automatically flush salts from the pump.

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