

Auto Valve VF-01-1002



Auto Valve VF-02-1005

High Speed Auto Valves for OEM Systems

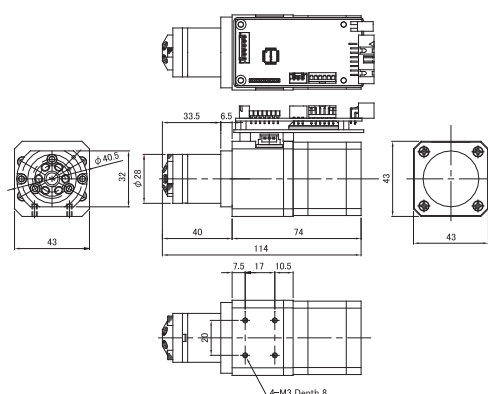
Auto Valve VF-01/VF-02 Series

A new generation of automatic valves for high pressure OEM applications, featuring long life and high switching speed. Super compact design that incorporates the control board and the motor drive in one. Also includes detachable valveheads.

Features

- space-saving super compact design
- the VF-01-1050 comes equipped with vertical port for easy attachment to auto sampler
- high revolving speed (60°, 0.1 second) reduces pressure shock
- the ceramic type seal improves seal life to 100,000 cycles
- can switch in valvehead rated to 100MPa for super high speed analytical applications
- detachable valvehead permits fast, efficient maintenance

Dimensions



Product name	Auto Valve	
Part number	VF-01	VF-02
Automatic control	Direct drive by stepmotor	
Manual control	-	
Remote input/output	Drive Input: Position change, Home position reset, CPU reset (CPU reset not available on VF-02 Series) Status Output: Port position, Error	
Voltage range	DC24V	
Weight	0.7kg	

* The specifications and product design may change without prior notice.

* Due to continual product improvements, latest models may differ somewhat from the pictures/descriptions in the User's Manual and the FLOM catalog.

* For custom specifications, contact FLOM.

* Durability data comes from tests performed in-house at FLOM.

Part number	VF-01-1002	VF-01-1005	VF-01-1103	VF-01-1104	VF-01-1003	VF-01-1036
Application	6 port analytical	6 port analytical	6 port analytical	6 port analytical	6 port analytical	6 port micro analytical
Description	Standard high pressure SS	Standard inert	High pressure, inert, High Durability ceramic	High pressure, inert, High Durability ceramic	High pressure inert	Low dead volume, high pressure SS
Path position	 6 port 2 position					
Max pressure	40MPa (5800psi)	20MPa (2900psi)	40MPa (5800psi)	40MPa (5800psi)	40MPa (5800psi)	40MPa (5800psi)
Wetted materials	SS, PEEK	PEEK	SS, Ceramic, PEEK	PEEK(SS exterior), Ceramic	PEEK(SS exterior)	SS, PEEK
Tube OD	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
Path diameter	0.4mm (0.016")	0.4mm (0.016")	0.4mm (0.016")	0.4mm (0.016")	0.4mm (0.016")	0.25mm (0.01")

Part number	VF-01-1037	VF-01-1056	VF-01-1010	VF-01-1012	VF-01-1013	VF-01-1015
Application	6 port micro analytical	6 port micro analytical	Path selection	Path selection	4 port analytical	4 port analytical
Description	Low dead volume, high pressure inert	Low dead volume, inert	Standard high pressure SS	Inert	High pressure, SS	Inert
Path position	 6 port 2 position		 Dual 3 port 2 way		 4 port 2 position	
Max pressure	40MPa (5800psi)	20MPa (2900psi)	40MPa (5800psi)	20MPa (2900psi)	40MPa (5800psi)	20MPa (2900psi)
Wetted materials	PEEK(SS exterior)	PEEK	SS, PEEK	PEEK	SS, PEEK	PEEK
Tube OD	1/16"	1/16"	1/16"	1/16"	1/16"	1/16"
Path diameter	0.25mm (0.01")	0.25mm (0.01")	0.4mm (0.016")	0.4mm (0.016")	0.4mm (0.016")	0.4mm (0.016")

Part number	VF-01-1040	VF-01-1058	VF-01-1050	VF-01-1065
Application	8 port micro analytical	8 port micro analytical	6 port analytical	Vertical port injection
Description	Low dead volume, high pressure SS	Low dead volume, high pressure inert	Vert. port inject, hi pres SS	Vert. port inject, hi pres inert
Path position	 8 port 2 position		 6 port 2 position	
Max pressure	40MPa (5800psi)	20MPa (2900psi)	40MPa (5800psi)	20MPa (2900psi)
Wetted materials	SS, PEEK	PEEK	SS, PEEK	PEEK
Tube OD	1/16"	1/16"	1/16"	1/16"
Path diameter	0.25mm (0.01")	0.25mm (0.01")	0.4mm (0.016")	0.4mm (0.016")

* The specifications and product design may change without prior notice.

* Due to continual product improvements, latest models may differ somewhat from the pictures/descriptions in the User's Manual and the FLOM catalog.

* For custom specifications, contact FLOM.