

Automatic Valves for OEM Systems

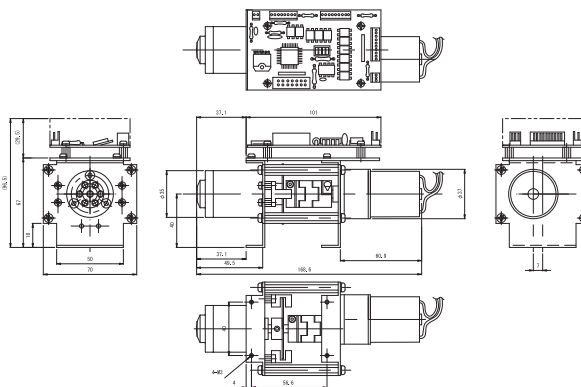
Auto Valve VA-11A/VA-12A Series

This is the VA-11 type auto valve in an embeddable configuration for OEM systems.

Features

- space-saving compact design
- can be equipped with large size high torque valveheads for high volume flow applications
- the super-small VA-12A Series takes up even less space and weighs less than the already compact VA-11A series^{*1}

Dimensions



Product name	Auto Valve	
Part number	VA-11A	VA-12A
Automatic control	Direct drive by DC motor	
Remote input/output	Drive Input: position change, home position reset, CPU reset Status Output: port position, Error	
Voltage range	DC24V	
Weight ^{*2}	1.0kg	0.8kg

^{*} 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.

^{*1} The model VA-12A can only be installed on a limited number of pumps. Contact FLOM for more details.

^{*2} The weight of each model varies, depending on the valvehead. Contact FLOM for more details.

Part number	VA-11A-385	VA-11A-386	VA-11A-65	VA-11A-66	VA-11A-68	VA-11A-76
Application	superfast 6 port analytical	superfast 6 port analytical	6 port analytical	6 port analytical	6 port analytical	6 port analytical
Description	super hi pressure SS	durable ceramic, hi pres SS	Standard Hi Pres SS	Standard inert	Standard SS, M8	Inert, M8
Path position	 6 port 2 position					
Max pressure	125MPa (18000psi)	104MPa (15000psi)	35MPa (5000psi)	20MPa (2900psi)	10MPa (1450psi)	10MPa (1450psi)
Wetted materials	SS, high pressure polymer	SS, PEEK, Ceramic	SS, PEEK	PEEK (SS exterior)	SS, PEEK	PEEK (SS exterior)
Tube OD	1/16"	1/16"	1/16"	1/16"	3.0mm, 1/8"	3.0mm, 1/8"
Path diameter	0.25mm (0.01")	0.4mm (0.016")	0.6mm (0.024")	0.6mm (0.024")	2.0mm (0.079")	2.0mm (0.079")

Part number	VA-11A-213	VA-11A-140	VA-11A-120	VA-11A-127	VA-11A-108
Application	4 port analytical	4 port analytical	Dual 3 port 2 way	1-8 rotary	1-12 rotary
Description	Standard high pressure SS	Standard inert	Standard SS	Low pressure inert, M8	Standard SS
Path position	 4 port 2 position				
Max pressure	35MPa (5000psi)	20MPa (2900psi)	20MPa (2900psi)	5MPa (725psi)	15MPa (2175psi)
Wetted materials	SS, PEEK	PEEK (SS exterior)	SS, PEEK	SS, PEEK	SS, PEEK
Tube OD	1/16"	1/16"	1/16"	1/8"	1/16"
Path diameter	0.6mm (0.024")	0.6mm (0.024")	0.6mm (0.024")	1.4mm (0.055")	0.6mm (0.024")

Part number	VA-11A-249	VA-11A-141	VA-11A-67	VA-11A-74	VA-11A-69	VA-11A-77
Application	1-4 rotary	1-4 rotary	1-6 rotary	1-6 rotary	1-6 rotary	1-6 rotary
Description	Standard SS	Standard Inert	Standard hi pres SS	Standard Inert	Lo pres SS, M8	Lo pres inert, M8
Path position	 4 port selector					
Max pressure	20MPa (2900psi)	20MPa (2900psi)	40MPa (5800psi)	15MPa (2175psi)	5MPa (725psi)	5MPa (725psi)
Wetted materials	SS, PEEK	PEEK (SS exterior)	SS, PEEK	PEEK (SS exterior)	SUS, PEEK	PEEK (SS exterior)
Tube OD	1/16"	1/16"	1/16"	1/16"	3.0mm, 1/8"	3.0mm, 1/8"
Path diameter	0.6mm (0.024")	0.8mm (0.031")	0.8mm (0.031")	0.8mm (0.031")	2.0mm (0.079")	2.0mm (0.079")

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

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