



Auto Valve Unit VA-21

Automatic Switching Valves Auto Valve Unit VA-21 Series

For general, high speed, and fraction analysis, choose the flow paths you need to cover a wide variety of applications

Features

- Path diameter 0.15 mm as thinner-bore available
- For UHPLC applications, maximum pressure 140 MPa (20305 psi) added
- Pick the valve type that fits your application
- Featuring high flow and non-metallic types
- Long valve life based on FLOM technology

Valve Drive

Product Name	Automatic Switching Valve
Product Number	VA-21
Drive	DC Gear motor drive
Switching Modes	2 position switching, Rotary switching
Manual Input	Position change, Position reset
Remote Control	Input : Position change / Set / Reset Output : Position, Error
Communication	RS232C, RS485 (between FLOM devices)
Power	DC 24 V, MAX 50 W (AC Adapter standard)
Dimensions	116 (H) × 66 (W) × 200 (D) mm, excluding protuberances
Weight	Approx. 2.0 kg

Valveheads (Consult FLOM if you need valveheads with specs not shown in the graph below.)

P/N	Type	Path Position	Max Pressure	Wetted Material	Tube OD	Thread Size	Path Diameter	Order Code
VA-21-601	6 Port 2 position		40 MPa (5800 psi)	SUS, PEEK	1/16"	No.10-32UNF	0.25 mm (0.010")	SAV-VA-21-601
VA-21-602			30 MPa (4350 psi)	PEEK, Ceramic	1/16"	No.10-32UNF	0.25 mm (0.010")	SAV-VA-21-602
VA-21-603			40 MPa (5800 psi)	SUS, PEEK	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-603
VA-21-604			30 MPa (4350 psi)	PEEK, Ceramic	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-604
VA-21-605			20 MPa (2900 psi)	SUS, PEEK	1/16"	No.10-32UNF	1.0 mm (0.039")	SAV-VA-21-605
VA-21-606			20 MPa (2900 psi)	PEEK, Ceramic	1/16"	No.10-32UNF	1.0 mm (0.039")	SAV-VA-21-606
VA-21-607			5 MPa (725 psi)	SUS, PEEK	3.0 mm or 1/8"	M8×1.25	2.0 mm (0.079")	SAV-VA-21-607
VA-21-608			5 MPa (725 psi)	PEEK, Ceramic	3.0 mm or 1/8"	M8×1.25	2.0 mm (0.079")	SAV-VA-21-608
VA-21-609	4 Port 2 position		40 MPa (5800 psi)	SUS, PEEK	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-609
VA-21-610			30 MPa (4350 psi)	PEEK, Ceramic	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-610
VA-21-611	2 Port selection		40 MPa (5800 psi)	SUS, PEEK	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-611
VA-21-612			30 MPa (4350 psi)	PEEK, Ceramic	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-612
VA-21-613			5 MPa (725 psi)	SUS, PEEK	3.0 mm or 1/8"	M8×1.25	2.0 mm (0.079")	SAV-VA-21-613
VA-21-614			5 MPa (725 psi)	PEEK, Ceramic	3.0 mm or 1/8"	M8×1.25	2.0 mm (0.079")	SAV-VA-21-614
VA-21-615	4 Port Rotary		40 MPa (5800 psi)	SUS, PEEK	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-615
VA-21-616			30 MPa (4350 psi)	PEEK, Ceramic	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-616
VA-21-617	6 Port Rotary		40 MPa (5800 psi)	SUS, PEEK	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-617
VA-21-618			30 MPa (4350 psi)	PEEK, Ceramic	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-618
VA-21-619			5 MPa (725 psi)	SUS, PEEK	3.0 mm or 1/8"	M8×1.25	2.0 mm (0.079")	SAV-VA-21-619
VA-21-620	12 Port Rotary		5 MPa (725 psi)	PEEK, Ceramic	3.0 mm or 1/8"	M8×1.25	2.0 mm (0.079")	SAV-VA-21-620
VA-21-621			20 MPa (2900 psi)	SUS, PEEK	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-621
VA-21-622	8 Port 2 position		20 MPa (2900 psi)	PEEK, Ceramic	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-622
VA-21-623			35 MPa (5075 psi)	SUS, PEEK	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-623
VA-21-624	8 Port Rotary		35 MPa (5075 psi)	SUS, PEEK	1/16"	No.10-32UNF	0.5 mm (0.020")	SAV-VA-21-624
VA-21-627	12 Port 2 position		35 MPa (5075 psi)	SUS, PEEK	1/16"	No.10-32UNF	0.25 mm (0.010")	SAV-VA-21-627
VA-21-628	6 Port 2 position		40 MPa (5800 psi)	SUS, PEEK	1/16"	No.10-32UNF	0.15 mm (0.006")	SAV-VA-21-628
VA-21-629			140 MPa (20305 psi)	SUS	1/16"	No.10-32UNF	0.15 mm (0.006")	SAV-VA-21-629
VA-21-630			140 MPa (20305 psi)	SUS	1/16"	No.10-32UNF	0.25 mm (0.010")	SAV-VA-21-630

*SUS316 is the material used for SUS.

VA-21 Optional Accessories

Part Number	Product Name	Cable Length
UF2100-01	VA-21 I/O Cable (Change / Reset only)	1 m
UF2100-02	RS232C Cable (for VA-21 only)	1 m
PF505-01	RS485 Cable	50 cm
PF505-03	RS485 Extension Cable	1 m