Plug Valves

Model Selection Table

	Body material	Wetted parts	Connection type	Flow channel	Tube size	Model
Manual type (Standard type)	PFA	PFA, PTFE Perfluor O-ring	Pillar fitting	2ways·3ways	1/4"	VCM
			Pillar fitting	2ways·3ways		
			Tube fitting	2ways·3ways	3/8"	
					1/2"	
	PTFE	PTFE Perfluor O-ring	Pillar fitting	2ways·3ways	3/8"	VC
					1/2"	
					3/4"	
					1"	
			Tube fitting nut space-saver type	2ways	3/8"	
					1/2"	
					3/4"	
					1"	
			Pillar fitting	2ways	3/8"	VC-TF60
					1/2"	
					3/4"	
			Rc thread	2ways·3ways	1/4"	VC-T
					3/8"	
					1/2"	
					3/4"	
					1"	
			Tube fitting	2ways	1/4"	VC (Compact type)
			Tube fitting nut space-saver type			
Manual type (High temperature type)	PTFE	PTFE Perfluor or Kalrez® O-ring	Tube fitting nut space-saver type	2ways	1/4"	VC-SHT
		PTFE Perfluor O-ring	Tube fitting nut space-saver type	2ways	1/2"	
					3/4"	
Pneumatic type	PFA	PFA, PTFE Perfluor O-ring	Tube fitting	2ways·3ways	3/8"	VCM-G
					1/2"	
	PTFE	PTFE Perfluor O-ring	Rc thread	2ways·3ways	1/4"	VC-G
					3/8"	
					1/2"	
					3/4"	
					1"	VC-A

※Please check each page for the fitting.

Caution

◎Do not operate sudden opening /closing or switching in the pressurized state.
It may be a factor of water hammer and cause of breakdown.

◎It has valve operation design every 90 degrees. If operation of the handle holds in the middle, the product will not function properly and it may cause damage or leaks.

●Special instructions

⚠ ◎In case selling products with inner diameters of more than 10mm to a specific country or region, it is required an export license from the Ministry of Economy, Trade and Industry.

Model VC Plug Valve

VC-3/8TP300P-3／VC-3/8TP300P-2

Features

◎It is a straight bore structure type valve with no capacity fluctuation.

Specifications

Fluid pressure	0~400kPa
Withstanding pressure	500kPa
Fluid temperature	5~80℃
Ambient temperature	5~60℃
Fluids	Gas, Liquids (DI water, Chemicals)
Wetted parts	PFA, PTFE, Perfluor O-ring
Connection type	Pillar fitting

Models / Dimensions

Type	Tube size	Flow channel	A	B	D	(E)	F	(H)	I	J	(L)	(W)	Orifice diameter	Fitting
VC-3/8TP300P-2	3/8"(ø9.53×ø6.35)	2	42	15	36	—	26	55	26	—	25	92	ø8	Pillar Super 300 Type P series
VC-3/8TP300P-3		3	46	15	42	46	33	55	28	—	25	96	ø8	
VC-1/2TP300P-2	1/2"(ø12.7×ø9.53)	2	42	17.5	36	—	26	60	26	—	29	100	ø10	
VC-1/2TP300P-3		3	46	17.5	42	50	33	60	28	—	29	104	ø10	
VC-3/4TP300P-2	3/4"(ø19.05×ø15.9)	2	52	21	48	—	38	67	34	—	36	124	ø15	
VC-3/4TP300P-3		3	58	21	50	61	40	68	34	—	36	130	ø15	
VC-25AP300P-2	1"(ø25.4×ø22.2)	2	72	36.5	65	—	54	91	78	92	43	158	ø22	
VC-25AP300P-3		3	84	36.5	84	85	70	94	98	110	43	170	ø22	

※Please select model VCM for 1/4" Pillar fitting.

●VC-□TP300P-□

●VC-25AP300P-□

Flow channel	
2ways	3ways (L port)

●Special instructions

⚠ ◎In case selling products with inner diameters of more than 10mm to a specific country or region, it is required an export license from the Ministry of Economy, Trade and Industry.

Plug Valves

Model VC Plug Valve

VC-3/8TP-2-P300P, VC-3/4TP-2-P300P

Features

◎It is a straight bore structure type valve with no capacity fluctuation.

Specifications

Fluid pressure	0~400kPa
Withstanding pressure	500kPa
Fluid temperature	5~80℃
Ambient temperature	5~60℃
Fluids	Gas, Liquids (DI water, Chemicals)
Wetted parts	PFA, PTFE, Perfluor O-ring
Connection type	Tube fitting nut space-saver

Models / Dimensions

Type	Tube size	Flow channel	A	B	C	D	F	(H)	I	(L)	(W)	Orifice diameter	Fitting
VC-3/8TP-2-P300P	3/8" (ø9.53×ø6.35)	2	30	15	42	26	22	45	18	24	78	ø4	Pillar Super 300 Type P series
VC-1/2TP-2-P300P	1/2" (ø12.7×ø9.53)	2	42	17.5	60	36	26	60	26	32	106	ø10	
VC-3/4TP-2-P300P	3/4" (ø19.05×ø15.9)	2	52	23	60	48	38	69	34	38	128	ø15	
VC-25AP-2-P300P	1" (ø25.4×ø22.2)	2	—	—	—	—	—	—	—	—	—	ø22	

●VC-□TP-2-P300P

●VC-25AP-2-P300P

Flow channel
2ways

●Special instructions

⚠ ◎In case selling products with inner diameters of more than 10mm to a specific country or region, it is required an export license from the Ministry of Economy, Trade and Industry.

Model VC-T Plug Valve

VC-3T-3, VC-3T-2

Features

◎It is a straight bore structure type valve with no capacity fluctuation.

Specifications

Fluid pressure	0~400kPa
Withstanding pressure	500kPa
Fluid temperature	5~80℃
Ambient temperature	5~60℃
Fluids	Gas, Liquids (DI water, Chemicals)
Wetted parts	PTFE, Perfluor O-ring
Connection type	Rc thread

Models / Dimensions

Type	Tube size	Flow channel	A	B	C	D	E	F	(H)	I	G	W	J	Orifice diameter
VC-2T-2	Rc1/4	2	30	10	42	26	—	22	40	18	Rc1/4	48	—	ø4
VC-2T-3		3(L port)	30	10	42	28	23	22	40	20	Rc1/4	48	—	ø4
VC-3T-2	Rc3/8	2	42	15	60	36	—	26	55	26	Rc3/8	60	—	ø8
VC-3T-3		3(L port)	46	15	60	42	30	33	55	28	Rc3/8	64	—	ø8
VC-4T-2	Rc1/2	2	42	17.5	60	36	—	26	60	26	Rc1/2	74	—	ø10
VC-4T-3		3(L port)	46	17.5	60	42	37	33	60	28	Rc1/2	78	—	ø10
VC-6T-2	Rc3/4	2	52	21	60	48	—	38	67	34	Rc3/4	88	—	ø15
VC-6T-3		3(L port)	58	21	60	50	43	40	67	34	Rc3/4	94	—	ø15
VC-25A-2	Rc1	2	72	37	—	65	—	54	90.5	78	—	104	92	ø22
VC-25A-3		3(L port)	84	36.5	—	84	58	70	93.5	98	—	116	110	ø22

●VC-□T-□

●VC-25A-□

Flow channel	
2ways	3ways (L port)

●Special instructions

⚠ ◎In case selling products with inner diameters of more than 10mm to a specific country or region, it is required an export license from the Ministry of Economy, Trade and Industry.

Plug Valves

Model VC-TF60 Plug Valve

Features

◎It is a straight bore structure type valve with no capacity fluctuation.

Specifications

Fluid pressure	0~400kPa
Withstanding pressure	500kPa
Fluid temperature	5~80℃
Ambient temperature	5~60℃
Fluids	Gas, Liquids (DI water, Chemicals)
Wetted parts	PTFE, Perfluor O-ring
Connection type	Pillar fitting

Models / Dimensions

Type	Tube size	Flow channel	A	B	D	(E)	F	(H)	I	(L)	(W)	Orifice diameter
VC-3/8TF60-2	3/8"(ø9.53×ø6.35)	2	42	15	36	—	26	55	26	37.5	117	ø6
VC-1/2TF60-2	1/2"(ø12.7×ø9.53)	2	42	17.5	36	—	26	60	26	38.5	119	ø9
VC-3/4TF60-2	3/4"(ø19.05×ø15.9)	2	52	21	48	—	38	67	34	42.5	137	ø15
VC-3TF60-2-8×6	ø8×ø6	2	42	15	36	—	26	55	26	31	104	ø6
VC-3TF60-3	ø10×ø8	3	46	15	42	58	33	55	28	37	120	ø7

※Please select model VCM for 1/4" Pillar fitting.

Flow channel	
2ways	3ways (L port)

●Special instructions

⚠ ◎In case selling products with inner diameters of more than 10mm to a specific country or region, it is required an export license from the Ministry of Economy, Trade and Industry.

Model VC-SHT Plug Valve

Features

◎Corrosive-resistant PTFE is adopted on wetted parts and these valves have outstanding chemical resistance and durability.
◎It is a straight bore structure type valve with no capacity fluctuation.
◎It can be used up to MAX.180℃.

Models / Specifications

Type	VC-1/4TUP300P4B-2-SHT	VC-1/4TUP300P4B-2-SHT-KZ	VC-1/2TUP300P-2-SHT	VC-3/4TUP300P-2-SHT
Fluids	Liquids (DI water, Chemicals)			
Wetted parts	PFA, PTFE, Perfluor or Kalrez® Oring			
Connection type	Tube fitting nut space-saver type			
Tube size	1/4" (ø6.35×ø3.96)	1/4" (ø6.35×ø3.96)	1/2" (ø12.7×ø9.53)	3/4" (ø19.05×ø15.9)
Orifice diameter	ø3.95	ø3.95	ø9.5	ø15
Ambient temperature	15~60℃			

●Fluid temperature : 15~80℃

Fluid pressure	0~400kPa
Withstanding pressure	500kPa

●Fluid temperature : 80~180℃

Fluid pressure	0~300kPa
Withstanding pressure	400kPa

※The above specifications are excluding fittings, and the heat and pressure resistance of fittings are depends on the manufacturer's specifications.

Dimensions

Type	Tube size	A	B	C	D	E	F	(H)	I	(L)	(W)
VC-1/4TUP300P4B-2-SHT	1/4" (ø6.35×ø3.96)	42	25.5	48	62.5	50	36	70	28	21	84
VC-1/4TUP300P4B-2-SHT-KZ	1/4" (ø6.35×ø3.96)	42	25.5	48	62.5	50	36	70	28	21	84
VC-1/2TUP300P-2-SHT	1/2" (ø12.7×ø9.53)	42	25.5	48	62.5	50	36	70	28	33	108
VC-3/4TUP300P-2-SHT	3/4" (ø19.05×ø15.9)	52	29	55	74.5	62	48	77	38	38	128

Flow channel
2ways

●Special instructions

⚠ ◎Be sure to use within the ambient temperature range.
◎In case selling products with inner diameters of more than 10mm to a specific country or region, it is required an export license from the Ministry of Economy, Trade and Industry.

Model VCM Plug Valve

VCM-1/4TP300P-3, VCM-1/4TP300P-2

Features

◎It is a straight bore structure type valve with no capacity fluctuation.
◎Body material is PFA molded product.

Specifications

Fluid pressure	0~400kPa
Withstanding pressure	500kPa
Fluid temperature	5~80℃
Ambient temperature	5~60℃
Fluids	Gas, Liquids (DI water, Chemicals)
Wetted parts	PFA, PTFE, Perfluor O-ring
Connection type	Pillar fitting

Models / Dimensions

Type	Tube size	Flow channel	(E)	(L)	(W)	Orifice diameter	Connector
VCM-1/4TP300P-2	1/4" (ø6.35×ø3.95)	2	—	19	68	ø4	Pillar Super 300 Type P series
VCM-1/4TP300P-3		3	32	19	68	ø4	
VCM-1/4TF60-2		2	—	30	90	ø3.5	Flowell 60 series
VCM-1/4TF60-3		3	44	30	90	ø3.5	

Flow channel	
2ways	3ways (L port)

Model VCM Plug Valve

VCM-3/8-3, VCM-3/8-2

Features

◎It is a straight bore structure type valve with no capacity fluctuation.
◎Body material is PFA molded product.
◎PFA tube fitting makes nut space-saver type installation easier for each manufacturer.

Specifications

Fluid pressure	0~400kPa
Withstanding pressure	500kPa
Fluid temperature	5~80℃
Ambient temperature	5~60℃
Fluids	Gas, Liquids (DI water, Chemicals)
Wetted parts	PFA, PTFE, Perfluor O-ring
Connection type	Tube fitting

Models / Dimensions

Type	Tube size	Flow channel	A	B	D	(E)	F	(H)	I	J	(W)	Orifice diameter
VCM-3/8-2	3/8" (ø9.53×ø6.35)	2	42	15	36	—	26	55	48	60	172	ø6.35
VCM-3/8-3	3/8" (ø9.53×ø6.35)	3	46	15	42	98	36	55	54	66	176	ø6.35
VCM-1/2-2	1/2" (ø12.7×ø9.53)	2	42	17.5	36	—	26	60	48	60	172	ø9.53
VCM-1/2-3	1/2" (ø12.7×ø9.53)	3	46	17.5	42	98	36	60	54	66	176	ø9.53

Flow channel	
2ways	3ways (L port)

Plug Valves

Model VC-G / VC-A Plug Valve

VC-3T-3G, VC-3T-2G-S

Features

◎Pneumatically remote operated type.
◎The fluid flow direction can be visually checked with a flow path indicator (Excluding size 25A). In addition, optional sensor makes possible to check it from a distance.

Specifications

Fluid pressure	0~350kPa	Wetted parts	PTFE, Perfluor O-ring
Withstanding pressure	500kPa	Operating pressure	400~500kPa(Max.700kPa).6T : 500kPa(Max.700kPa)
Fluid temperature	5~80℃	Pilot port size	Rc1/8
Ambient temperature	5~60℃	Material of actuator parts	PPS ※Aluminum for size 25A
Fluids	Gas, Liquids(DI water, Chemicals)	System of air operation	Dual operation
Connection type	Rc thread	Mounting positions	Horizontal, vertical

Caution Open / Close the valve at intervals of 10sec/time.

Models / Dimensions

Type	Tube size	Flow channel	A	B	C	D	E	F	H	I	J	G	W	Orifice diameter	Sensor
VC-2T-2G	Rc1/4	2	42	18	28	36	—	26	90	48	60	Rc1/4	60	ø6.35	
VC-2T-2G-S	Rc1/4	2	42	18	28	36	—	26	90	48	60	Rc1/4	60	ø6.35	○
VC-2T-3G	Rc1/4	3(L port)	42	18	28	36	27	26	90	48	60	Rc1/4	60	ø6.35	
VC-2T-3G-S	Rc1/4	3(L port)	42	18	28	36	27	26	90	48	60	Rc1/4	60	ø6.35	○
VC-3T-2G	Rc3/8	2	42	23	38	36	—	26	100	48	60	Rc3/8	60	ø6.35	
VC-3T-2G-S	Rc3/8	2	42	23	38	36	—	26	100	48	60	Rc3/8	60	ø6.35	○
VC-3T-3G	Rc3/8	3(L port)	46	23	38	42	30	36	100	54	66	Rc3/8	64	ø6.35	
VC-3T-3G-S	Rc3/8	3(L port)	46	23	38	42	30	36	100	54	66	Rc3/8	64	ø6.35	○
VC-4T-2G	Rc1/2	2	42	25.5	43	36	—	26	105	48	60	Rc1/2	74	ø9.53	
VC-4T-2G-S	Rc1/2	2	42	25.5	43	36	—	26	105	48	60	Rc1/2	74	ø9.53	○
VC-4T-3G	Rc1/2	3(L port)	46	25.5	43	42	37	36	105	54	66	Rc1/2	78	ø9.53	
VC-4T-3G-S	Rc1/2	3(L port)	46	25.5	43	42	37	36	105	54	66	Rc1/2	78	ø9.53	○
VC-6T-2G	Rc3/4	2	52	29	48	48	—	38	110	60	72	Rc3/4	88	ø9.53	
VC-6T-2G-S	Rc3/4	2	52	29	48	48	—	38	110	60	72	Rc3/4	88	ø9.53	○
VC-6T-3G	Rc3/4	3(L port)	58	29	48	50	43	48	110	60	72	Rc3/4	94	ø9.53	
VC-6T-3G-S	Rc3/4	3(L port)	58	29	48	50	43	48	110	60	72	Rc3/4	94	ø9.53	○
VC-25A-2A	Rc1	2	72	37	—	65	—	54	—	78	92	—	104	ø22	
VC-25A-2A-S	Rc1	2	72	37	—	65	—	54	—	78	92	—	104	ø22	○
VC-25A-3A	Rc1	3(L port)	84	36.5	—	84	58	70	—	98	110	—	116	ø22	
VC-25A-3A-S	Rc1	3(L port)	84	36.5	—	84	58	70	—	98	110	—	116	ø22	○

※For size 25A, specification is different from the sensor in the above picture.

●VC-□T-□G-□

●VC-25A-□A-□

●Special instructions

◎In case selling products with inner diameters of more than 10mm to a specific country or region, it is required an export license from the Ministry of Economy, Trade and Industry.

Model VCM-G Plug Valve

VCM-3/8-3G, VCM-3/8-2G-S

Features

◎Pneumatically remote operated type.
◎The fluid flow direction can be visually checked with a flow path indicator (Excluding size 25A). In addition, optional sensor makes possible to check it from a distance.

Specifications

Fluid pressure	0~350kPa	Wetted parts	PFA, PTFE, Perfluor O-ring
Withstanding pressure	500kPa	Operating pressure	400~500kPa(Max.700kPa)
Fluid temperature	5~80℃	Pilot port size	Rc1/8
Ambient temperature	5~60℃	Actuator material	PPS
Fluids	Gas, Liquids(DI water, Chemicals)	System of air operation	Dual operation
Connection type	Tube fitting	Mounting positions	Horizontal, vertical

Caution Open / Close the valve at intervals of 10sec/time.

Models / Dimensions

Type	Tube size	Flow channel	A	B	C	(D)	E	H	I	J	(W)	Orifice diameter	Sensor
VCM-3/8-2G	3/8"(ø9.53×ø6.35)	2	42	15	36	—	26	92	48	60	172	ø6.35	
VCM-3/8-2G-S	3/8"(ø9.53×ø6.35)	2	42	15	36	—	26	92	48	60	172	ø6.35	○
VCM-3/8-3G	3/8"(ø9.53×ø6.35)	3(L Port)	46	15	42	98	36	92	54	66	176	ø6.35	
VCM-3/8-3G-S	3/8"(ø9.53×ø6.35)	3(L Port)	46	15	42	98	36	92	54	66	176	ø6.35	○
VCM-1/2-2G	1/2"(ø12.7×ø9.53)	2	42	17.5	36	—	26	97	48	60	172	ø9.53	
VCM-1/2-2G-S	1/2"(ø12.7×ø9.53)	2	42	17.5	36	—	26	97	48	60	172	ø9.53	○
VCM-1/2-3G	1/2"(ø12.7×ø9.53)	3(L Port)	46	17.5	42	98	36	97	54	66	176	ø9.53	
VCM-1/2-3G-S	1/2"(ø12.7×ø9.53)	3(L Port)	46	17.5	42	98	36	97	54	66	176	ø9.53	○

Sensor (Optional)

VC-G-S

Specifications

Contact signal output	NO
Voltage range	DC1V~100V
Current range	10A~0.3A
MAX switching capacity	10W
Withstanding voltage on both contacts	DC150V
Cable length	0.5m

Wiring

Connect a diode with a withstand voltage of at least 3 times the power supply voltage in parallel with the load.

※For more details, please refer to the instruction manual.

Plug Valves

Model VC Plug Valve 〈Compact type〉

VC-1/4TUB-2 / VC-1/4TP300PB-2

Features

◎The compact and lightweight design enables space saving.
◎It can be used as air-vent valves.

Specifications

Fluid pressure	0~300kPa	Ambient temperature	5~60℃
Withstanding pressure	350kPa	Fluids	Gas, Liquids (DI water, Chemicals)
Fluid temperature	5~80℃	Wetted parts	PTFE, Perfluor O-ring

Models / Dimensions

Type	Tube size	Flow channel	(L)	(W)	Orifice diameter	Connector
VC-1/4TUB-2	1/4" (ø6.35×ø3.95)	2	17	52	ø3	Tube fitting
VC-1/4TP300PB-2	1/4" (ø6.35×ø3.95)	2	20.5	59	ø3	Pillar Super 300 Type P series

Flow channel
2ways

Model NTC / Model NTCP Air Vent Valve for Filter RoHS2

NTCP-1/4-1/4
NTC-1/4PF-1/4

Features

◎Micro-mini design, it can be placed in a filter directly.

Specifications

Fluids	Gas, Liquids (DI water, Chemicals)
Fluid pressure	0~200kPa
Withstanding pressure	250kPa
Fluid temperature	5~80℃
Ambient temperature	5~60℃
Wetted parts	NTC-1/8-3 : PCTFE、PTFE NTC-1/4PF-1/4 : PFA, PTFE, Perfluor O-ring NTCP-1/4-□ : PP, PTFE

Models / Dimensions

Type	Connection type Fitting side (filter)	Tube size	A	(H)	(W)	Orifice diameter
NTC-1/4PF-1/4	1/4" Swagelok	1/4"	—	—	—	Ø3
NTCP-1/4-3	1/4" Swagelok	Ø3	12	23	47	Ø1.5
NTCP-1/4-1/4	1/4" Swagelok	1/4"	14	26	50.5	Ø1.5
NTC-1/8-3	1/8" Swagelok	1/8"	12	23	45	Ø1.5

●NTC-1/4PF-1/4

●NTC□-□-□

※Swagelok® is a registered trademark of Swagelok. ※For W fitting, please refer to page 158.

Model B Inert Valve 〈Luer lock type〉

Specifications
Fluid / Ambient temperature:Room temperature
Withstanding pressure : 250kPa

RoHS2

B-RL-3T / B-RL-3L

Models / Specifications

Type	Flow channel
B-RL-2	2ways
B-RL-3L	3ways (L port)
B-RL-3T	3ways (L port)

Dimensions

Type	A	B	(C)	W	Orifice diameter	Wetted parts
B-RL-2	11	11	—	32.2	Ø1.5	PCTFE, PTFE
B-RL-3L	10.6	10	17.2	32	Ø1.5	PCTFE, PTFE
B-RL-3T	10.6	10	17.2	32	Ø1.5	PCTFE, PTFE

Model B Inert Valve 〈Luer lock type / W fitting type〉

Specifications
Fluid / Ambient temperature:Room temperature
Withstanding pressure : 250kPa

RoHS2

B-RL-B-3

Models / Specifications

Type	Tube size
B-RL-B-1.6	Ø1.6
B-RL-B-3	Ø3
B-RL-B-6	Ø6

Dimensions

Type	A	(W)	Orifice diameter	Wetted parts
B-RL-B-1.6	11	32	Ø1	PCTFE, PTFE
B-RL-B-3	11	34	Ø1.5	PCTFE, PTFE
B-RL-B-6	12	39	Ø1.5	PCTFE, PTFE

※For W fitting / luer lock type, please refer to page 158.

Inert Valves

Model B Inert Valve 〈W fitting type〉

Specifications
Fluid / Ambient temperature:Room temperature
Withstanding pressure : 250kPa

RoHS2

B-3-3L / B-3-3T

Models / Specifications

Type	Flow channel
B-1.6-2	2ways
B-1.6-3L	3ways (L port)
B-1.6-3T	3ways (L port)
B-3-2	2ways
B-3-3L	3ways (L port)

Type	Flow channel
B-3-3T	3ways (L port)
B-4-2	2ways
B-4-3L	3ways (L port)
B-4-3T	3ways (L port)
B-6-2	2ways

Dimensions

Type	A	B	(C)	(W)	Tube size	Orifice diameter	Wetted parts
B-1.6-2	11	11	—	39	Ø1.6	Ø1	PCTFE, PTFE
B-1.6-3L	11	11	25	39	Ø1.6	Ø1	PCTFE, PTFE
B-1.6-3T	11	11	25	39	Ø1.6	Ø1	PCTFE, PTFE
B-3-2	11	11	—	45	Ø3	Ø1.5	PCTFE, PTFE
B-3-3L	11	11	28	46	Ø3	Ø1.5	PCTFE, PTFE
B-3-3T	11	11	28	46	Ø3	Ø1.5	PCTFE, PTFE
B-4-2	12	12	—	48	Ø4	Ø1.5	PCTFE, PTFE
B-4-3L	11	11	32	47	Ø4	Ø1.5	PCTFE, PTFE
B-4-3T	11	11	32	47	Ø4	Ø1.5	PCTFE, PTFE
B-6-2	11	12	—	53	Ø6	Ø1.5	PCTFE, PTFE

Flow channel

3ways (L port)

3ways (L port)

※For W fitting / luer lock type, please refer to page 158.

●Safety Instructions

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◎Before using the product, read the instruction manual carefully and use it correctly.
We are not liable for accidents that occurred during use other than those described in the instruction manual.

◎Use this product within the specified range.

◎Confirm the compatibility of the product material with the type of fluid and ambient atmosphere before use.

◎Do not use fluids that contain refuse or foreign matter, as this may interfere with normal function.

◎Abrasive or coagulate fluids may interfere with normal function, and take measures to prevent stacking residue on the wetted parts.

◎It is not recommended any fluids splash to the main body.

◎When using a highly permeable chemical solution for a long time, be sure to inspect the product once or twice a year as a regular check for safety.

◎Do not use the product in a harsh environment where fluid temperature changes rapidly, as this may cause damage to the product.

◎Do not use the product in an environment where excessive pressure or water hammer is generated.

◎Do not place heavy objects on the product top.

◎When tubing, allow the fluid to flow in the direction mark (→) imprinted on the main unit.

◎Connect this product not to apply any bending, tensile or compression, and other forces on the valve.

◎Do not use the product with excessive vibration or shock.

◎When mounting a male thread to join parts, use a paring female thread made of PTFE, PFA, PCTFE, PE or PP instead of the rigid materials such as metallic. Tighten the male thread with correct value of torque. Excessive tightening may break the product.

◎Do not disassemble the product.

◎Use air or inert gas that has passed through a filter with 5μm or more filtration for air operation valve.

◎If the flow rate is reduced, the primary pressure will rise, to prevent leakage, do not exceed the working pressure range.

◎Do not operate sudden opening /closing or switching in the pressurized state. It may cause of breakdown. When switching the valve, it must be after reducing the pressure in the pipe.

◎It has valve operation design every 90 degrees. If operation of the handle holds in the middle, the product will not function properly and it may cause damage or leaks.

◎If static electricity is generated, the equipment may seriously damage.
Please use after applying antistatic measures.

◎Be sure to use this product within the ambient temperature range.

◎Open/Close the valve at intervals of 10sec/time.

◎Do not warm up the product directly from the outside.
It may cause external or internal leakage failure.

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- Pillar Super 300 Type P series is a trademark of Nippon Pilar Co., Ltd.

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