ISO Standard Solenoid Valve/SIZE① Rubber Seal Series VP7-6



Single solenoid (FG-S) Double solenoids (FG-D) Reverse pressure (YZ-S)* Reverse pressure (YZ-D)* 2 position $1 \setminus$ 513 513 513Closed centre (FHG-D) Exhaust centre (FJG-D) Double pilot check (FPG-D) Pressure centre (FIG-D)* 3 position 12 12 12 12 ∇ $\overline{\mathbf{\nabla}}$ রিমা वेरा 513 513 513 *Option

Standard Specifications

Fluid			Air	
	Single	2 position	0.15 to 0.9	
(MPa)	Doublo	2 position	0.1 to 0.9	
	Double	3 position	0.15 to 0.9	
Ambient and fluid temperature			Max. 50°C	
Manual operation			Non-locking	
Electrical entry			DIN connector	
Lubrication			Turbine oil class 1(ISO VG32) Non-lube operation possible.	
Shock/Vibration resistance ⁽¹⁾			300/50m/s ²	
Note 1) Shock resistance: No malfunction resulted from the impact test using a drop impact tester. The test was performed on the axis and right angle direction of the main valve and armature, for both energized and de-energized states. Vibration resistance: No malfunction occurred in a one-sweep test between 8.3 and 2000Hz.				

Test was performed at both energized and de-energized states to the axis and right angle direction of the main valve

states to the axis and right angle direction of the main valve and armature. (value in the initial stage.)

Pilot Valve Specifications

Part No.	AXT511B-1	AXT511B-2	AXT511B-3	AXT511B-4
Rated voltage (V)	100V AC 50/60Hz	200V AC 50/60Hz	24V DC	12V DC
Inrush current (A) ⁽¹⁾	0.049/0.043	0.024/0.021	0.075	0.15
Holding current (A) ⁽¹⁾	0.031/0.020	0.015/0.01	0.075	0.15
Allowable voltage (V)	85 to 110% of rated voltage			
Coil insulation	Class B (130°C) or equivalent			

Note 1) At rated voltage

Model

No. of positions	Model	Effective area (1/4 with sub-plate) (mm ²) (Nt/min)	Max. operating(1) frequency (c/s)	Response time (S)	Weight ⁽³⁾ (kg)
2 (Single)	VP7-6-FG-S-□-Q	30 (1639.11)	5	0.04 or less	0.53
2 (Double)	VP7-6-FG-D-□-Q	30 (1639.11)	5	0.04 or less	0.73
3 (Closed centre)	VP7-6-FHG-D-□-Q	28.8 (1570.40)	3	0.06 or less	0.73
3 (Exhaust centre)	VP7-6-FJG-D-□-Q	28.8 (1570.40)	3	0.06 or less	0.73
3 (Double pilot check)	VP7-6-FPG-D-□-Q	20 (1079.65)	3	0.06 or less	1.13
3 (Pressure centre)*	VP7-6-FIG-D- □-Q	20 (1079.65) [14.4 (785.2)]	3	0.06 or less	0.73

Note 1) Min. operating frequency: Based on JIS B8375 (once in 30 days).

Note 2) According to JIS B8375–1975 dynamic performance test. (0.5MPa, Coil temperature: 20°C, At rated voltage, Without surge voltage suppressor)

Note 3) Without sub-plate. (Sub-plate: 0.37kg) Note 4) []: In normal position. * Option

Accessories Mounting screw (Including washed

(Including washer)	IA-B-5 X 35
Gasket	AXT500-13

With interface regulator

Options

Protection circuit	Surge voltage suppressor
Reverse pressure (1	R1/R2 port pressurized,
	R1=P1 pressure, R2=P2 pressure

Note1) Operate under the condition of P1>P2 when "YZ-S" is used.

Interface Regulator (Options)

Model	Regulation port	Note
ARB250-00-P	Р	Pofor to p 1 0 2
ARB250-00-A	Α	for specifications
ARB250-00-B	В	

Permits Long Period Intermediate Stops.

Mounting a double pilot check spacer makes it possible to keep a cylinder in the mid stroke position for a long time without influence of air leakage between spool valves.



▲ Caution

For 3 position double pilot check valve, make sure that there is no leakage from the piping between valve and cylinder or from the fitting parts, checking it with solvent like neutral detergent solution. Leakage from sealant of cylinder should be checked. If any leakage occurs, cylinder piston may not stop at the mid position and be movable when the valve is de-energized.

Note:

Please note that single subplates and manifolds have changed colour from platinium silver to white as standard. Valves will remain platinium silver.

Double Pilot Check Spacer Specifications

Part number		VV71-FPG		
Applicable solenoid valve		VP	7-6-FJG-D (E	Exhaust center)
	Solenoid on one side	Р	R1	E0 or loss
Leakage cm ³ /min(ANR)	being energized	F	R2	50 of less
	Solenoid on both sides being de-energized	Р	R1	E0 or loss
			R2	50 or less
		А	R1	0
		В	R2	0

Characteristics of Check Valve Operating Pressure



Mid Stroke Cylinder Position Holding Circuit with Double Pilot Check Valve





Cylinder Speed and Stop Position Error

ø50-450 st	ø80-450 st	pressure	load	ø50	ø80
—©—	-0-	0.2MPa	25kg	51%	28%
	$\otimes -$	5	25	25	11
-0-	-0-	2	35	72	39
- a -	- a	5	35	36	16

How to Order



Precautions ∕?

Be sure to read before handling. Refer to p.0-33 to 0-36 for Safety Instruction and common precautions.

▲ Caution

DIN connector(Wiring)

•Solenoids are connected to the male pin terminal on the DIN connector terminal block as follows. Connect to each terminal block on the connector part.



Either+COM or -COM is applicable.

Applicable cable

- Core wire effective sectional area: 0.5 to 1.5mm²
- Cable O. D.: ø6.8 to ø10
- Applicable crimp style terminal As shown below;





Terminal equivalent to R1.025-3, JIS C2805







•Appropriate tightening torque of the connector part Connector fixing thread 0.5 to 0.6 Nm

Terminal thread 0.5 to 0.6Nm

Indicator Light/Surge Voltage Suppressor

With indicator light



Interface Regulator Specifications

Specifications

Model		ARB250		
/alve		VP7-6		
	Α	В	Р	
sure	1	.0MPa (1)	
Set pressure range		0.83M	Pa ⁽²⁾	
Ambient and fluid temp		5 to 60° ⁽³⁾		
Gauge port size		1/8		
Weight (kg)		0.55		
P–A	15	16	13	
P–B	16	16	11	
A–EA		25		
B–EB		18		
	valve sure emp P–A P–B A–EA B–EB	∠alve A Sure 1 ⇒ 0.1 tc emp 5 P-A 15 P-B 16 A-EA B-EB	ARB250 /alve VP7-6 A B sure 1.0MPa (0 0.1 to 0.83Mi emp 5 to 60° (1/8 0.55 P-A 15 16 P-B 16 16 A-EA 25 18	

Note 1) Solenoid valve max. operating press. : 0.9MPa Note 2) Set within the solenoid valve operating press-ure range.

Note 3) Solenoid valve: Max. 50°C Note 4) Effective area shown in the above table is the synthesized value with 2 position (single)

Note 5) Interface regulator: Pressurize only from P port of the base except when used with reverse pressure valve. •Use the ARB210 or ARB310 model to combine a pressure center valve and the A and B port pressure reduction of an interface

regulator. •Use the ARB210 or ARB310 model to combine a reverse pressure valve and an interface regulator. The P port pressure reduction cannot be used. •To use a double pilot check valve and an

interface regulator, use a manifold or a sub-plate the standard and stack in the following order: as the double pilot check interface, an interfacer When a closed center valve is combined

with the A and B port pressure reduction of an interface regulator, it cannot be used for intermediate stops of the cylinder because of the leakage from the relief port of the regulator.

How to Calculate Flow Rate

Refer to p.0-36 for flow rate calculation.

SOL.B

SOL.A

Construction

Single: VP7-6-FG-S-DD-Q

Double: VP7-6-FG-D-D-Q





Closed centre: VP7-6-FHG-D-□-Q Exhaust centre: VP7-6-FJG-D-□-Q Pressure centre: VP7-6-FIG-D-□-Q



Double pilot check: VP7-6-FPG-D-D-Q



Component Parts

No.	Description	Material
1	Body	Aluminum die cast
2	Adapter plate	Aluminum die cast
3	Spool valve	Aluminum, NBR
(4)	End cover	Aluminum die cast
5	Spool spring	Stainless steel
6	Piston	Resin
7	Piston ass'y	Aluminum and others

Replacement Parts

No.	Description	Part No.	Material
8	Pilot valve ass'y	AXT511B-🗆	
9	Gasket	AXT500-13	NBR
10	Sub-plate	VS7-1-🗆	Aluminum die cast
1	Double pilot check spacer	VV71-FPG	

Without Sub-Plate



With Sub-plate



With Interface Regulator



Sub-plate: Series VS7-1



Specifications

Applicable solenoid valve	ISO size 1
Sub-plate size	ISO size 1
Dinin e*	Side piping,1/4 3/8
Piping*	Bottom piping,1/4 3/8
Weight	0.37kg
-	

.) * All R ports: 3/8

Dimensions





North America

Ν

Series VP7-6 Manifold



Note:

Please note that single subplates and manifolds have changed colour from platinium silver to white as standard. Valves will remain platinium silver.

Specifications

Manifold block size		ISO size 1		
Applicable solenoid valve		ISO size 1 series		
Station		1 to 10 stations*		
Dia ia a	A, B port	1/4, 3/8 One-touch fitting ø6, ø8, ø10		
Piping	P, R1, R2 port	1/4, 3/8 One-touch fitting ø12		
Individual SUP spacer		W71-P-□(02:1⁄4, 03: 3⁄8, C10:ø10)		
Individual EXH spacer		VV71-R-□(02: ¹ ⁄4, 03: ³ ⁄8, C12:ø12)		
Block plate (For multiple pressure supply)		AXT502-14		
Blank plate		AXT502-9A		
	•			

*Stations including control unit. (Control unit: equivalent to 2 stations.)

Series VV71 manifold provides a wide variety of functions and piping methods. Most suitable type to the operation purpose can be found in the product line-

Common Exhaust

Air supply and exhaust to each valve are performed with P and R ports which run through the connected manifold. This is the most popular among users.



Multi Level Pressure Supply

Two or more different levels of pressure are supplied into one manifold.

• Place a block plate("AXT502–14")among stations whose pressure levels are different. If supplying two different levels of P pressure, place it from the right/left directions of manifold. If ">2",useanIndividualSUPspacer ("VV71–P–□").

Bottom Piping/1/4, 3/8(A/B port)

In case piping from the side disturbs the sight or in case there is no enough space for side piping, A/B port can be piped from the bottom of manifold.

Main Exhaust Back Pressure Block

• If the number of stations simultaneously operated is large it may cause trouble with back pressure of the main exhaust. Mounting back pressure block plate ("AXT503–37A") makes it possible to prevent the influence of main exhaust back pressure.



Individual Exhaust

• Releases air individually with an individual exhaust spacer("VV71-R-D")on manifold block.

Individual Supply

• Supplies P pressure individually with an individual supply spacer ("VV71-P-D") on manifold block.



How to Order (Manifold)



Manifold Control Unit

North America

Ν

Piping can be simplified by mounting control equipment like air filters, regulators, air release valve and the like to a manifold as a unit.

Control units									
Symbol for ordering	_	A	AP	м	ΜР	F	G	с	Е
Control equipment									
Air filter with auto drain		Ο	0			0			
Air filter with manual drain				0	O		0		
Regulator		Ο	0	0	0	Ο	0		
Air release valve		0	O	0	O			Ο	0
Pressure switch			0		0				
Blank plate (Air release valve)						0	0		
Blank plate (Filter, Regulator)								0	
No. of necessary manifold blocks for mounting		2	2	2	2	2	2	2	1

Control Unit Specifications

Air filter (With auto drain/With manual drain)						
Filtration	5µm					
Regulator						
Set pressure	0.05 to 0.85MPa					
Pressure switch						
Pressure setting range	0.1 to 0.7MPa					
Contact structure	1ab					
Rated current	(induced load) 125V AC 3A, 250V AC 2A					
Air release valve (Single only)						
Operating pressure range	0.15 to 0.9MPa					

	AXT502-9A (For manifold)	Spacer for rev	erse pressure	AXT502-21A-	1 (3⁄8)
	AXT502-18A	Spacer for R1/R	2/Individual EXH	VV71-R2-03	
Blank plate _	(For air release valve	Interface sp	eed control	AXT503-23A	
	adapter plate)	Adapter plate for lock up cylinder		AVTE02 26A	
	MP2 (For controller/			AA1502-26A	
	Filter regulator)	With interface		P (P port regulation
	MP3 (For pressure switch)	regulator	Relief	ARB250-00- A (A port regulation
Air release valve		regulator		В (B port regulation
adapter plate	AX1502-17A	Main EXH. back press. proof block		AXT503-37A	
	VAW-A	Silencer for pilot EXH.		AN110-01	
	(Adapter plate/Filter with	Residual press. rel	ease valve interface	VV71-R-AB	
Controllor	auto drain cock/Regulator)	Individual SUP spacer with			02: 1/4
Controller	VAW-M(Adapter plate/	residual press. release valve		VV/I-PR-L	03: ³ ⁄8
	Filter with manual drain cock/Regulator)	Double pilot check spacer with residual press. release valve		VV71-FPGR	
Pressure switch	IS3100-02 (2-M5 X 12)				

Manifold Circuit Example



VP7-6









ISO Standard Solenoid Valve/SIZE(2) **Rubber Seal** Series VP7-8



With interface regulator

Accessories

Mounting screw

Reverse pressure (1)

(washer)

Gasket

Option Protection circuit



Standard Specifications

Fluid			Air		
On eventing a pressure	Single	2 position	0.15 to 0.9		
(MPa)	Doublo	2 position	0.1 to 0.9		
	Double	3 position	0.15 to 0.9		
Ambient and fluid te	Ambient and fluid temperature		Max. 50°C		
Manual operation			Non-locking		
Electric entry			DIN connector		
Lubrication			Turbine oil class 1 (ISOVG32), Non-lube operation possible		
Shock/Vibration res	Shock/Vibration resistance (1)		300/50m/s ²		
Note 1) Shock resistance: No malfunction resulted from the impact test using a drop impact tester. The test was performed on the axis and right angle direction of the main valve and armature, for both energized and de-energized states.					



Vibration resistance: No malfunction occurred in a one-sweep test between 8.3 and 2000Hz. Test was performed at both energized and de-energized states to the axis and right angle direction of the main valve and armature. (value in the initial stage.)

Pilot Valve Specifications

I							
Part No.	AXT511C-1	AXT511C-2	AXT511C-3	AXT511C-4			
Rated voltage (V)	100V AC 50/60Hz	200V AC 50/60Hz	24V DC	12V DC			
Inrush current (A)(1)	0.049/0.043	0.024/0.021	0.075	0.15			
Holding current (A) ⁽¹⁾	0.031/0.020	0.015/0.01	0.075	0.15			
Allowable voltage (V)	85 to 110% of rated voltage						
Coil insulation	Class B (130°C) or equivalent						



Note 1) At rated voltage

Model

No. of positions	Model	Effective area (³ /8With sub-plate) (mm ²)(Nt/min)	Max. operating frequency (c/s)	Response time (S)	Weight ⁽³⁾ (kg)
2(Single)	VP7-8-FG-S-	65 (3533.40)	5	0.05 or less	0.92
2(Double)	VP7-8-FG-D-	65 (3533.40)	5	0.05 or less	1.12
3(Closed centre)	VP7-8-FHG-D-	57.6 (3140.80)	3	0.07 or less	1.12
3(Exhaust centre)	VP7-8-FJG-D-	57.6 (3140.80)	3	0.07 or less	1.12
3(Double pilot check)	VP7-8-FPG-D-	40 (2159.30)	3	0.07 or less	1.52
3(Pressure centre)*	VP7-8-FIG-D-	57 (3111.36) [30.6 (1668.,55)]	3	0.07 or less	1.12



R1=P1 pressure, R2=P2 pressurization Note 1) Operate under the condition of P1>P2 when "YZ-S" is operated.

R1/R2 port pressurized,

TA-B-6 X 45

AXT510-13

Surge voltage suppressor

Interface Regulator (Options)

Model	Regulation port	Note
ARB350-00-P	Р	Pofor to p 1 0 14
ARB350-00-A	A	for specifications
ARB350-00-B	В	

Note 1) Min. operating frequency: According to JIS B8375 (once in 30 days).

Note 2) According to JIS B8375-1975 dynamic performance test.(0.5MPa, Coil temperature: 20°C, At rated voltage, Without surge voltage suppressor)

Note 3) Without sub-plate. (Sub-plate: 0.68kg) *Option Note 4) []: In normal position.

Permits Long Period Intermediate Stops.

Mounting a double pilot check spacer makes it possible to keep a cylinder in the mid stroke position for a long time without influence of air leakage between spool valves.



VP7-8-FPG-D

▲ Caution

For 3 position double pilot check valve, make sure that there is no leakage from the piping between valve and cylinder or from the fitting parts or so, checking it with solvent like neutral detergent solution. Leakage from sealant of cylinder should be checked. If any leakage occurs, cylinder piston may not stop at the mid position and be movable when the valve is de-energized.

Note:

Please note that single subplates and manifolds have changed colour from platinium silver to white as standard. Valves will remain platinium silver.

Double Pilot Check Spacer Specifications

Part number	VV72-FPG					
Applicable solenoid valve		VP7-8-FJG-D (Exhaust center)				
	Solenoid on one side	Р	R1	E0 or loop		
Leakage cm ³ /min (ANR)	being energized		R2	50 of less		
	Solenoid on both sides being de-energized	P	R1	EQ or loss		
			R2	50 of less		
		А	R1	0		
		В	R2	0		

Characteristics of Check Valve Operating Pressure

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Check valves are operated properly as long as the cylinder side pressure is below twice as much as the P side pressure.



Mid Stroke Cylinder Position Holding Circuit with Double Pilot Check Valve



Cylinder Speed and Stop Position Error





Be sure to read before handling. Refer to p.0-33 to 0-36 for Safety Instruction and common precautions.

▲ Caution

DIN connector (Wiring)

• Solenoids are connected to the male pin terminal on the DIN connector terminal block as follows. Connect to each terminal block on the connector part.

Cround	Terminal	
Giounu	1	A side
(🛫)	2	B side
[1 2]	3	COM
(3)	바	Ground

Either +COM or -COM is applicable.

- Applicable cable
- Core wire effective sectional area: 0.5 to 1.5mm2
- Cable O.D.: ø6.8 to ø10
- Applicable crimp style terminal

As shown below



Terminal equivalent to R1.25-3, JIS C2805



JST Manufacturing Corporation Ltd. "1.25-3X" or the equivalent

Appropriate tightening torque of the connector part

or

Connector fixing thread: 0.5 to 0.6Nm Terminal thread: 0.5 to 0.6Nm

Indicator Light/Surge Suppressor

With indicator light



Interface Regulator Specifications

Specifications

Model	ARB350				
Applicable solenoid	valve	VP7-8			
Regulation port		Α	В	Р	
Max. operating pres	sure	1.0MPa ⁽¹⁾			
Set pressure range	Э	0.1 to	0.1 to 0.83MPa (2)		
Ambient and fluid temp.		5 to 60° ⁽³⁾			
Gauge port size		1/8			
Weight (kg)		0.83			
Supply eff. area (mm ²)	P→A	40	31	27	
S at P1=0.7MPa, P2=0.5MPa	P→B	31	34	27	
Exhaust eff. area (mm ²)	A→EA		60		
S at P2=0.5MPa	B→EB		53		

Note 1) Solenoid valve max. operating pressure: 0.9MPa

- Note 2) Set within the solenoid valve operating pressure range.
- Note 3) Solenoid valve: Max. 50°C
- Note 4) Effective area shown in the above table is the synthesized value with 2 position (single) type. Interface regulator: Pressurize only from P

Note 5) port of the base except when used with reverse pressure valve.

•Use the ARB210 or ARB310 model to combine a pressure center valve and the A and B port pressure reduction of an interface regulator.

•Use the ARB210 or ARB310 model to combine a reverse pressure valve and an interface regulator. The P port pressure reduction cannot be used.

To use a double pilot check valve and an interface regulator, use a manifold or a subplate the standard and stack in the following order: as the double pilot check interface, an interfacer regulator, and the valve.
When a closed center valve is combined with the A and B port pressure reduction of an interface regulator, it cannot be used for intermediate stops of the cylinder because of the leakage from the relief port of the regulator.

How to Calculate Flow Rate

Refer to p.0-36 for flow rate calculation.

< 7mm



Construction



Double: VP7-8-FG-D-D-Q



Double pilot check: VP7-8-FPG-D-D-Q

Closed centre: VP7-8-FHG-D-D-□-Q Exhaust centre: VP7-8-FJG-D-□-Q Pressure centre: VP7-8-FIG-D-□-Q





(Closed centre)

Component Parts

No.	Description	Material	
1	Body	Aluminum die cast	
2	Adapter plate	Aluminum die cast	
3	Spool ass'y	Aluminum, NBR, etc.	
4	End cover	Aluminum die cast	
(5)	Spool spring	Stainless steel	

Replacement Parts

No.	Description	Part No.	Material
6	Pilot valve ass'y	AXT511C-□	
7	Gasket	AXT510-13	NBR
8	Sub-plate	VS7-2-□	Aluminum
Double pilot check spacer		VV71-FPG	

Without Sub-plate



With Sub-plate



VP7-8

With Interface Regulator



Sub-plate: Series VS7-2



How to Order

Specifications

Applicable solenoid valve	ISO size 2		
Sub-plate size	ISO size 2		
Dia ia a	Side piping: 3/8 1/2, 3/4		
Piping	Bottom piping: 3/8 1/2, 3/4		
Weight	0.68 (3/8,1/2) 1.29 (3/4)		

Dimensions



Note:

Please note that single subplates and manifolds have changed colour from platinium silver to white as standard. Valves will remain platinium silver.

Series VP7-8 Manifold



Specifications

	Manifold block size		ISO size 2	
	Applicable Solenoid valve		ISO size 2 series	
Stations			1 to 10 stations	
	Distant	A/B port	3/8 1/2	
	Piping	P/R1/R2 port	1/2 3/4	
	Individual SUP Spacer		VV72-P-□ (03: 3⁄8 , 04: 1⁄2)	
Individual EXH Spacer			VV72-R-□ (03: 3/8, 04:1/2)	
			AXT512-14-1A(For P port)	
Block plate (For multiple pressure supply)		ssure supply)	AXT512-14-2A(For R1/R2 port)	
Blank plate			AXT512-9A	

VV72 \Box manifold gives a wide variety of functions and piping methods. Most suitable type for the operation can be found in the product line–up.

Common Exhaust

be combined.

Air supply and exhaust to each valve are performed with P and R ports which runs through the connected manifold.



Individual Exhaust

R ports are independent for each valves.

● Releases air individually with an individual exhaust spacer ("VV72-R-□") on manifold block.

Individual Supply

● Supplies P pressure individually with an individual supply spacer ("VV72-P-□") on manifold block.



Multi Level Pressure Supply

Two or more different levels of pressure are supplied into one manifold.

• Place a block plate("AXT512–14–1A") among stations whose pressure levels are different . If supplying two different levels of P pressure, place it from the right/left directions of manifold. If more than two, use an Individual SUP spacer("VV72–P– \Box ").

Bottom Piping (3/8, 1/2)

In case piping from the side obstructs view the sight or in case there is not enough space for side piping A/B port can be piped from the bottom of manifold.

Note:

Please note that single subplates and manifolds have changed colour from platinium silver to white as standard. Valves will remain platinium silver.



Type that valves of different body sizes can

Main Exhaust Back Pressure Block

If the number of stations simultaneously operated is large it may cause a trouble with back pressure of the main exhaust. Mounting back pressure block plate ("AXT512–25A")makes it possible to prevent the influence of main exhaust back pressure.



SMC

How to Order



Options

		AXT512-9A		
Blank plate		AXT512-18A (For air releasing valve adapter plate		
Air release valve adapter plate		AXT512-17A		
With interface regulator	Relief	P(P regulation) ARB350-00- A(A regulation) B(B regulation)		
Spacer for reve	erse pressure	AXT512-19A-1(³ ⁄ ₈) AXT512-19A-2(1⁄ ₂)		
Spacer for R1, individual EXH	/R2 H.	VV72-R2-04		
Interface speed control		AXT510-32A		
Main EXH. back pressure block plate		AXT512-25A		
Silencer for pilot EXH.		AN110-01		

Manifold



VP7-8

Manifold



VP7–6

Manifold Exploded View VP7-6

D side end plate assembly	Tension bolt Manifold	block assembly	U side end	l plate	assembly
D side end plate assembly Tension bolt Manifold block assembly U side end plate assembly Image: state					
< End plate assembly > Find plate position • End plate position • End plate position • End plate position • • P, R port size • Ordering source area code • Diagram, Asia • Australia • Diagram, Asia • Australia • E Europe • Code • Code • Code • Australia • Europe • Code •					
Control of the second distance of the seco					
		Part No	Description	Qtv	Material
Minin	Cylinder port position	Δχτ502-10	O-ring	Δ.	NBR
wiring specification		AVT:00 00		-	
A Side		AX1502-20	U-ring	2	NBK
B Botto		AXT502-22-2	Plate	1	SPCC
↓ Ordering source area code	Cylinder port size	AXT502-31	Gasket	1	NBR
Code areas	02 1/4	M4 X 8	Oval countersunk head screw	2	SWRH3
Japan, Asia	03 3/8	L	1		
Australia	C6 Note 1) Ø6 One-touch fitting				
E Europe	C8 Note 1) Ø8 One-touch fitting				
N North America	C10 Note 1) ø10 One-touch fitting				

Note 1) Side ported only

SMC

VP7-8

Manifold Exploded View VP7-8



< End plate assembly >



<Manifold block assembly>



< Manifold block replacement parts>

Part No.	Description	Qty.	Material
AXT512-13	O-ring	2	NBR
AS568-022	O-ring	1	NBR
AS568-020	O-ring	2	NBR
AXT512-5	Gasket	1	NBR
AXT512-4	Plate	1	SPCC
M4X10	Oval countersunk head screw	2	SWRH3
AXT512-6-1	Connection fitting A	2	
AXT512-6-4	Connection fitting B	2	
AXT512-6-3	Hexagon socket head screw	2	

