

Manifold VV71 Series

VQ7-6 Series



How to Order Manifold

VV71 **6** - **02R** - - **02D** - - -

Stations

1	1 station
:	:
10	10 stations

Note) When equipped with control unit, 1 or 2 stations are used for mounting.

2 (B), 4 (A) port connection

02R	1/4 (R side)
03R	3/8 (R side)
02L	1/4 (L side)
03L	3/8 (L side)
02Y	1/4 (Bottom side)
03Y	3/8 (Bottom side)
C6R	One-touch fitting ø6 (R side)
C8R	One-touch fitting ø8 (R side)
C10R	One-touch fitting ø10 (R side)
C6L	One-touch fitting ø6 (L side)
C8L	One-touch fitting ø8 (L side)
C10L	One-touch fitting ø10 (L side)
*	Mixed

Note) When ports are mixed, indicate piping specifications by means of the manifold specification sheet.

Thread type

Nil	Rc
F	G
T	NPTF

Note) With One-touch fittings: Nil

CE-compliant

Nil	—
Q	CE-compliant

Silencer box

Nil	None
SB	With

Note) The silencer box is mounted on the end plate located on the side (D, U, B) that is selected in "1(P), 3(R2), 5(R1) port connection".

Air release valve coil rating

Nil	None
1	100 VAC, 50/60 Hz
2	200 VAC, 50/60 Hz
3	24 VDC
4	12 VDC
5	110 VAC, 50/60 Hz
6	220 VAC, 50/60 Hz

For other rated voltages, please consult with SMC.

Thread type

Nil	Rc
F	G
T	NPTF

Note) With One-touch fittings: Nil

1(P), 3(R2), 5(R1) port connection

02D	1/4 (D side)
02U	1/4 (U side)
02B	1/4 (Both sides)
03D	3/8 (D side)
03U	3/8 (U side)
03B	3/8 (Both sides)
C12D	One-touch fitting ø12 (D side)
C12U	One-touch fitting ø12 (U side)
C12B	One-touch fitting ø12 (Both sides)
*	Mixed

Note) When ports are mixed, indicate piping specifications by means of the manifold specification sheet.

Control unit type (See pages 1130 and 1131 for details.)

Symbol	Nil	A	AP	M	MP	F	G	C	E
Control equipment									
Air filter with auto-drain	○	○				○			
Air filter with manual drain				○			○		
Regulator	○	○	○	○	○	○			
Air release valve	○	○	○	○				○	○
Pressure switch			○		○				
Blanking plate (Air release valve)							○	○	
Blanking plate (Filter, Regulator)									○
Blanking plate (Pressure switch)	○			○		○	○	○	
Number of manifold blocks required for mounting (stations)	2	2	2	2	2	2	2	2	1

Manifold Specifications

Manifold block size	Applicable solenoid valve	Porting specifications			Stations	Weight (kg)
		2(B), 4(A) port		1(P), 3(R2)		
		Port location	Port size	5(R1) port size		
ISO size 1	VQ7-6 Series ISO size 1	Right, Left	1/4 3/8 C6 (ø6) C8 (ø8) C10 (ø10)	1/4 3/8 C12 (ø12)	Note) Max. 10 stations	0.43n + 0.49 (n: Stations)
		Bottom	1/4 3/8			

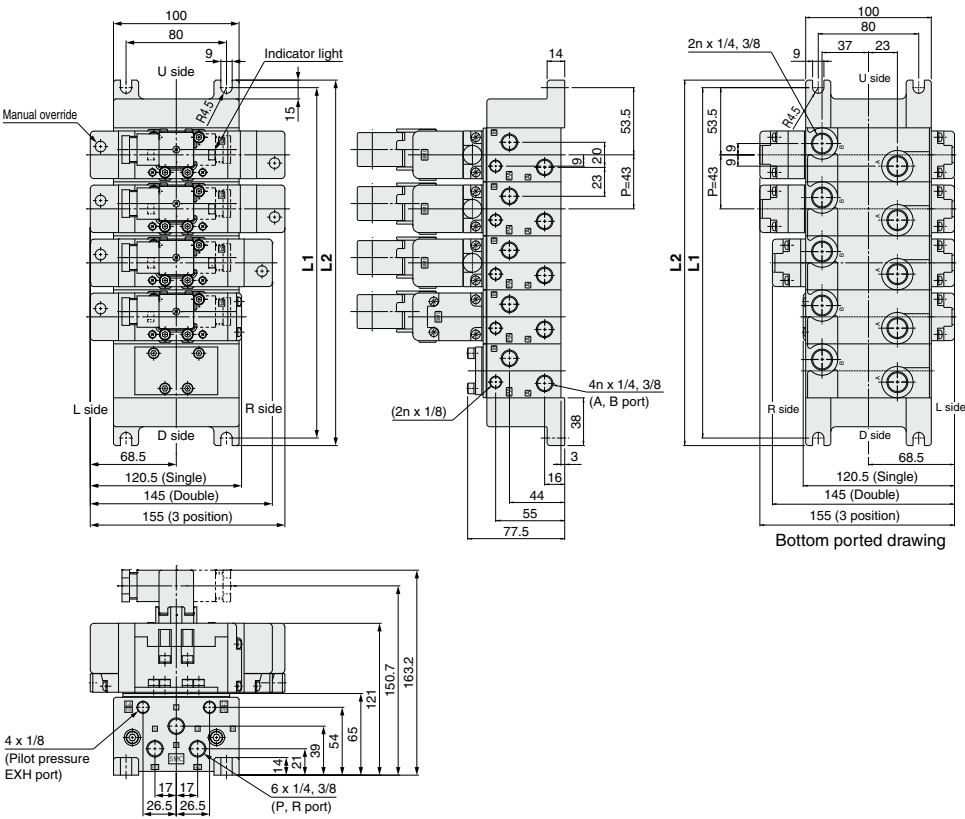
Note) When equipped with control unit, 1 or 2 stations are used for mounting.



VQ7-6 Series

DIN Terminal Type

VV71□-□-□□□



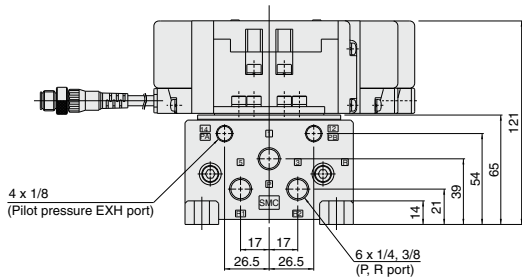
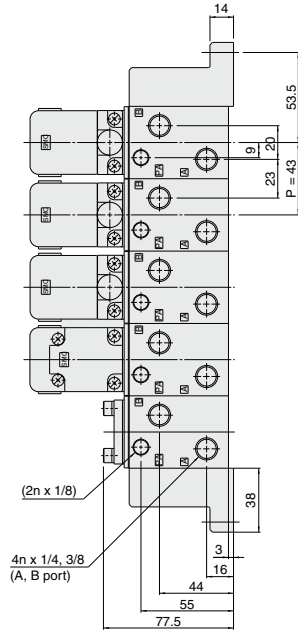
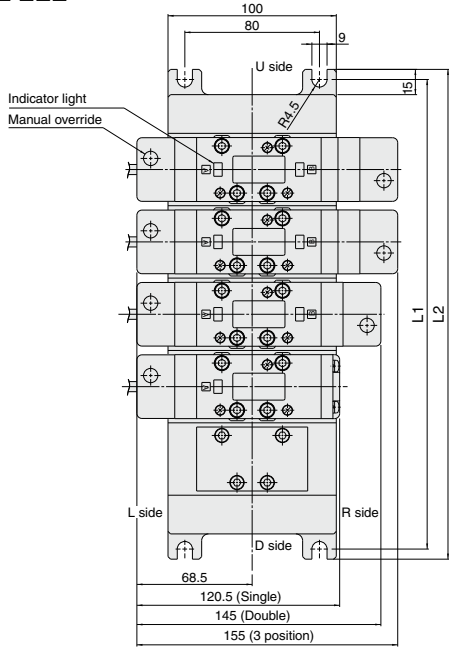
L Dimension

n: Stations

	1	2	3	4	5	6	7	8	9	10	Formula
L1	107	150	193	236	279	322	365	408	451	494	$L1 = 43n + 64$
L2	119	162	205	248	291	334	377	420	463	506	$L2 = 43n + 76$

Prewired Connector Type

VV71□-□-□□□



SV
SYJ
SZ
VF
VP4
VQ 1/2
VQ 4/5
VQC 1/2
VQC 4/5
VQZ
SQ
VFS
VFR
VQ7

L Dimension

n: Stations

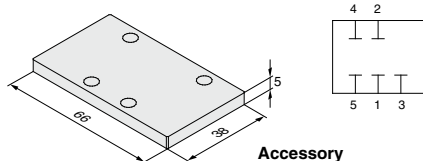
	1	2	3	4	5	6	7	8	9	10	Formula
L1	107	150	193	236	279	322	365	408	451	494	$L1 = 43n + 64$
L2	119	162	205	248	291	334	377	420	463	506	$L2 = 43n + 76$

VQ7-6 Series

Manifold Option Parts

Blanking plate assembly AXT502-9A

It is used by attaching on the manifold block for being prepared for removing a valve for maintenance reasons or planning to mount a spare valve, etc.



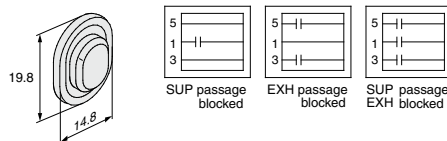
Accessory

Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-2	4

Block plate (For SUP/EXH passages) AXT502-14

When two or more different high pressures are supplied to one manifold, block plates are installed between stations having different pressures.

Also, in cases such as when valve exhaust effects other stations in a circuit, block plates are used for exhaust at stations where the exhaust is to be separated.



Individual SUP spacer VV71-P-02

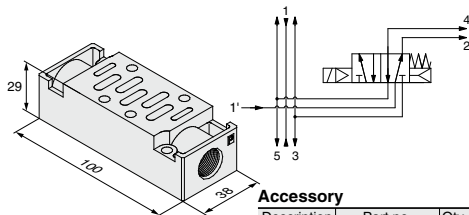
03
C10

Thread type

Nil	Rc
F	G
T	NPTF

Note) It is not applicable to One-touch fittings.

By mounting individual SUP spacers on a manifold block, it is possible to provide individual supply ports for each valve.

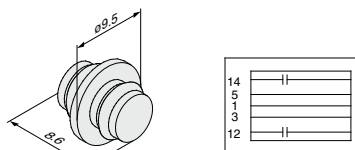


Accessory

Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-6	4

Block plate (For pilot EXH passage) AZ503-53A

When a valve's pilot valve exhaust effects other valves in a circuit, block plates are used between stations where the pilot exhaust passages are to be separated.



Individual EXH spacer VV71-R-02

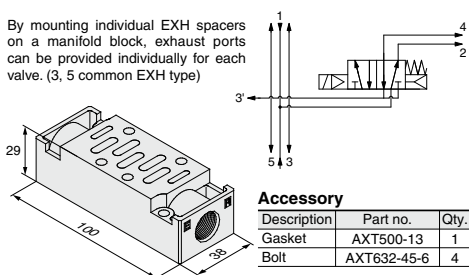
03
C12

Thread type

Nil	Rc
F	G
T	NPTF

Note) It is not applicable to One-touch fittings.

By mounting individual EXH spacers on a manifold block, exhaust ports can be provided individually for each valve. (3, 5 common EXH type)

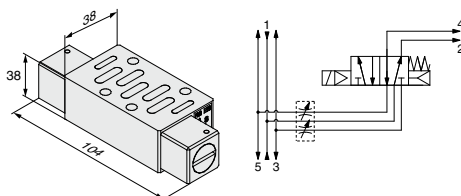


Accessory

Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-6	4

Throttle valve spacer AXT503-23A

A throttle valve spacer is mounted on a manifold block to control cylinder speed by throttling exhaust air flow.



Accessory

Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-5	4

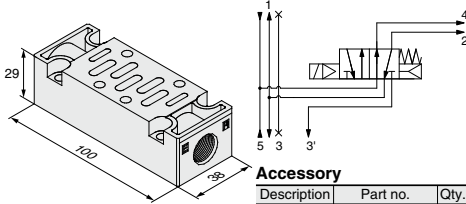
Reverse pressure spacer

AXT502-21A-1

Thread type

NII	Rc
F	G
T	NPTF

With reverse pressure control manifold specifications, when pressure is changed individually on one side (ex. high speed cylinder return), pressure can be supplied individually to the R2 side by mounting a reverse pressure spacer. (Port 3 (R2) is individual and 5 (R1) is common.)



Accessory

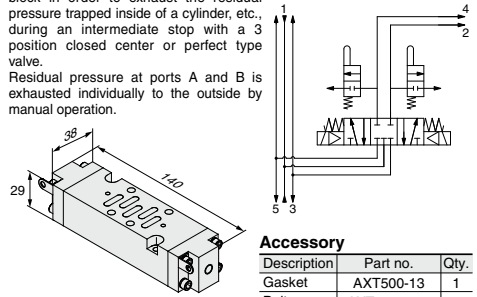
Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-6	4

Residual pressure release valve spacer

VV71-R-AB

This is used by mounting on a manifold block in order to exhaust the residual pressure trapped inside of a cylinder, etc., during an intermediate stop with a 3 position closed center or perfect type valve.

Residual pressure at ports A and B is exhausted individually to the outside by manual operation.



Accessory

Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-6	4

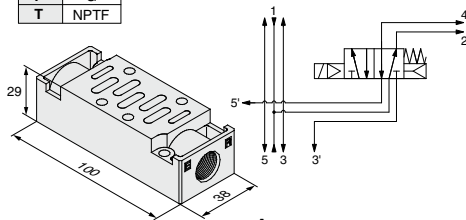
R1, R2 individual EXH spacer

VV71-R2-03

Thread type

NII	Rc
F	G
T	NPTF

By mounting an individual EXH spacer on a manifold block, individual exhaust is possible from both R1 and R2. (3 (R2) and 5 (R1) are individual ports.)



Accessory

Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-6	4

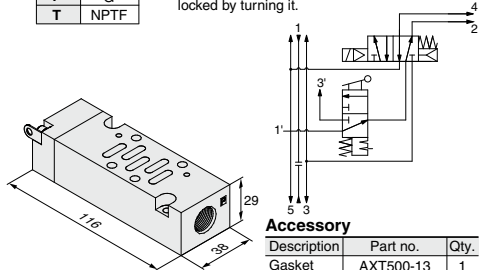
Individual SUP spacer with residual pressure release valve

VV71-PR-03

Thread type

NII	Rc
F	G
T	NPTF

This is used by mounting on a manifold block in order to stop the inlet side supply pressure in an individual supply spacer, while at the same time exhausting the residual pressure are performed by pressing the manual override, which can be locked by turning it.



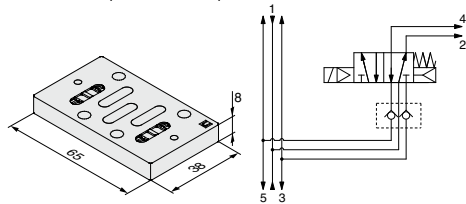
Accessory

Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-6	4

Main EXH back pressure check plate

AXT503-37A

In cases where back pressure effects actuator operation due to simultaneous operation of manifold valves, etc., this effect can be eliminated by installing a plate between the manifold block and the valve from which back pressure is to be prevented.



Accessory

Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-4	4

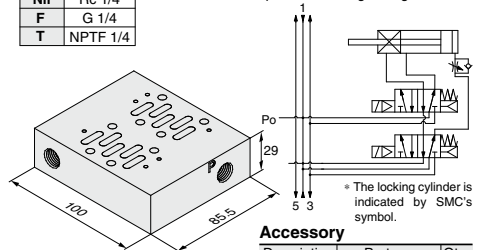
Adapter plate for locked-up cylinder

AXT502-26A

Thread type

NII	Rc 1/4
F	G 1/4
T	NPTF 1/4

When using a locked-up cylinder with 2 valves for control, this spacer can be used by mounting on a manifold block. It consists of a circuit equipped with a function to prevent lurching during release.



Accessory

Description	Part no.	Qty.
Gasket	AXT500-13	2
Bolt	AXT632-45-6	8

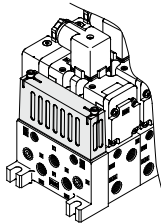
* The locking cylinder is indicated by SMC's symbol.

VQ7-6 Series

Manifold Option Parts

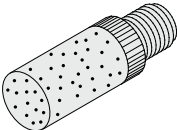
Silencer box VV71-□□□-□□-SB

This can be provided as a unit on the end plate to reduce manifold exhaust noise and piping labor.



Pilot EXH silencer AN110-01

This is used by mounting on the pilot exhaust port in order to reduce manifold and single type pilot exhaust noise, and to prevent the entry of dust.

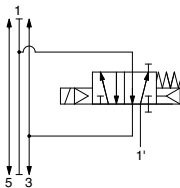
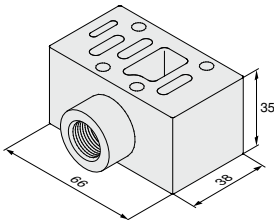


Release valve spacer AXT502-17A□

Thread type

NII	Rc 3/8
F	G 3/8
T	NPTF 3/8

Combination of VQ7-6-FG-S (Single) and release valve spacer can be used as air release valve.
Note) Mounting on 2 position double and 3 position valves is not possible.



Accessory

Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT643-45-7	4

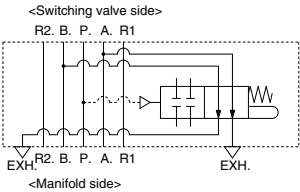
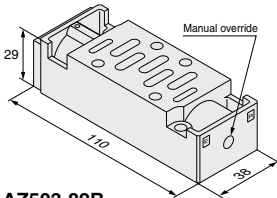
Residual pressure release valve spacer AZ503-82□

Pilot type

A	Internal pilot
B	External pilot

At the same time as pilot pressure is released, residual pressure between the cylinder and valve is released.
There are two pilot types: internal pilot and external pilot types.

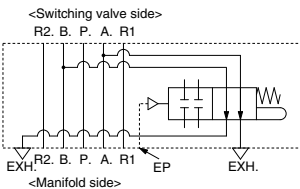
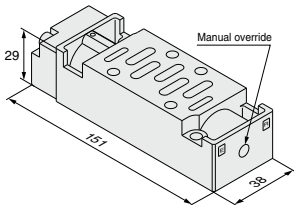
AZ503-82A



Accessory

Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-6	4

AZ503-82B

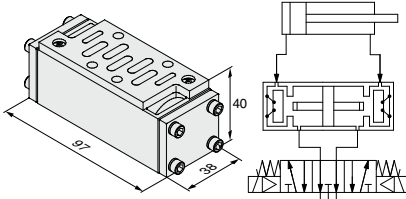


Specifications

Model	AZ503-82A	AZ503-82B
Switching signal type (Pilot type)	Internal pilot	External pilot
Applicable solenoid valve	VQ7-6	
Applicable sub-plate	ISO standard size 1	
Max. operating pressure	1.0 MPa	
Min. operating pressure	0.15 MPa (Pressure generated when the valve element is switched to the stopping side.)	
Ambient and fluid temperature	5 to 60°C	
Lubrication	Non-lube (Use turbine oil Class 1 (ISO VG32), if lubricated.)	

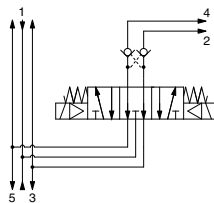
Double check spacer VV71-FPG

By combining a 3 position exhaust center valve with a double check spacer, an intermediate stopping position of a cylinder can be held for an extended period. It can also be used for drop prevention at the cylinder stroke end when releasing residual supply pressure, by combining it with a 2 position single or double valve.



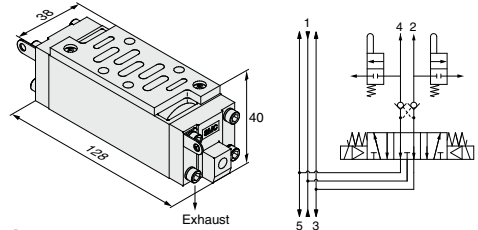
Accessory

Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-8	4



Double check spacer with residual pressure release valve VV71-FPGR

This is a double check spacer equipped with a residual pressure release function, to release residual pressure inside a cylinder during maintenance or adjustment, etc.



Accessory

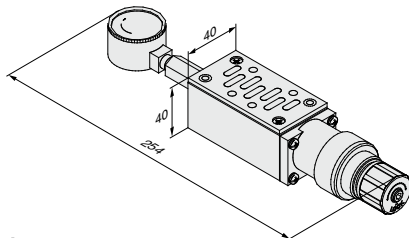
Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-8	4

⚠ Caution

- Since extended cylinder stops are not possible if there are leaks from piping between the valve and cylinder or from fittings, etc., check for leakage using a neutral liquid detergent.
- Since One-touch fittings allow slight air leakage, screw piping is recommended when stopping the cylinder in the middle for a long time.
- Combination of 3 position, closed center and pressure center valves is not possible.
- Set the load weight so that the cylinder side pressure is less than two times the supply side pressure.
- When using the residual pressure release function, confirm the action of actuators, etc., and operate after providing for safety measures.
- Be aware that if the exhaust side of perfect spacer is restricted excessively, the intermediate stopping accuracy will decrease and will lead to improper intermediate stops.
- To combat the effects of back pressure, when required, we recommend installing an individual EXH spacer between the double check spacer and the manifold.

Interface regulator ARB250-00-^P_A

Spacer Interface regulators can be placed on top of the manifold block to reduce the pressure of each of the valves.



Accessory

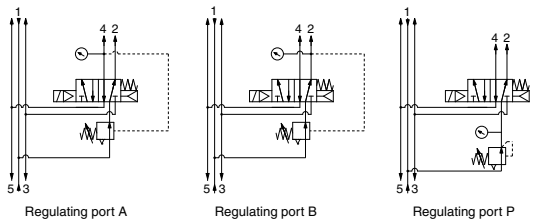
Description	Part no.	Qty.
Gasket	AXT500-13	1
Bolt	AXT632-45-8	4

Part No.

P reduced pressure	ARB250-00-P
A reduced pressure	ARB250-00-A
B reduced pressure	ARB250-00-B

⚠ Caution

- When combining a pressure center valve and interface regulator with reduced pressure at ports A and B, use model ARB210-^A_B.
- When combining a reverse pressure valve and interface regulator, use model ARB210-^A_B. Further, it cannot be used with reduced pressure at port P.
- When combining a double check valve and an interface regulator, use a manifold or sub-plate as a basis, and stack them in the following order; the perfect spacer → the interface regulator → the valve.
- When a closed center valve is combined with the interface regulator's A, B port regulation, note that it cannot be used for intermediate stops of a cylinder because there is leakage from relief port on the regulator.



Regulating port A

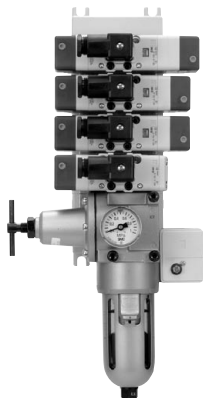
Regulating port B

Regulating port P

VQ7-6 Series

Control Unit

Control equipment (filters, regulators, pressure switches, air release valves) has been made into standardized units which can be mounted on manifolds without any modifications.



Control Unit Specifications

Air filter (With auto-drain/With manual drain)	
Filtration degree	5 μm
Regulator	
Set pressure (Outlet pressure)	0.05 to 0.85 MPa
Pressure switch	
Pressure adjustment range	0.1 to 0.7 MPa
Contact	1 ab
Rated current	(Induction load) 125 VAC 15 A, 250 VAC 15 A
Air release valve (Single only)	
Operating pressure range	0.15 to 1.0 MPa

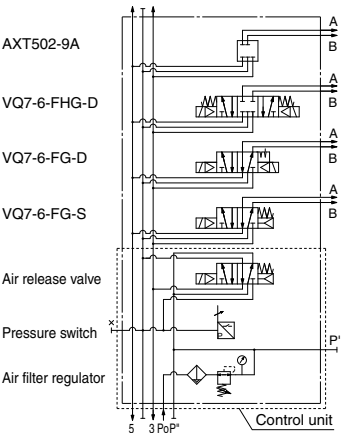
Options

Blanking plate	AXT502-9A (For manifold)
	AXT502-18A (For release valve adapter plate)
	MP2 (For control equipment/filter regulator)
	MP3-1 (For pressure switch)
Release valve adapter plate	AXT502-17A
Pressure switch	IS3100-X230

Control Unit Type

Ordering symbol	NII	A	AP	M	MP	F	G	C	E
Control equipment									
Air filter with auto-drain		○	○			○			
Air filter with manual drain				○	○		○		
Regulator		○	○	○	○	○	○		
Air release valve		○	○	○	○			○	○
Pressure switch			○		○				
Blanking plate (Air release valve)						○	○		
Blanking plate (Filter, Regulator)								○	
Blanking plate (Pressure switch)		○		○		○	○	○	
Number of manifold blocks required for mounting (stations)	2 stations	2 stations	2 stations	2 stations	2 stations	2 stations	2 stations	2 stations	1 station

Manifold specifications example



Use of Control Unit

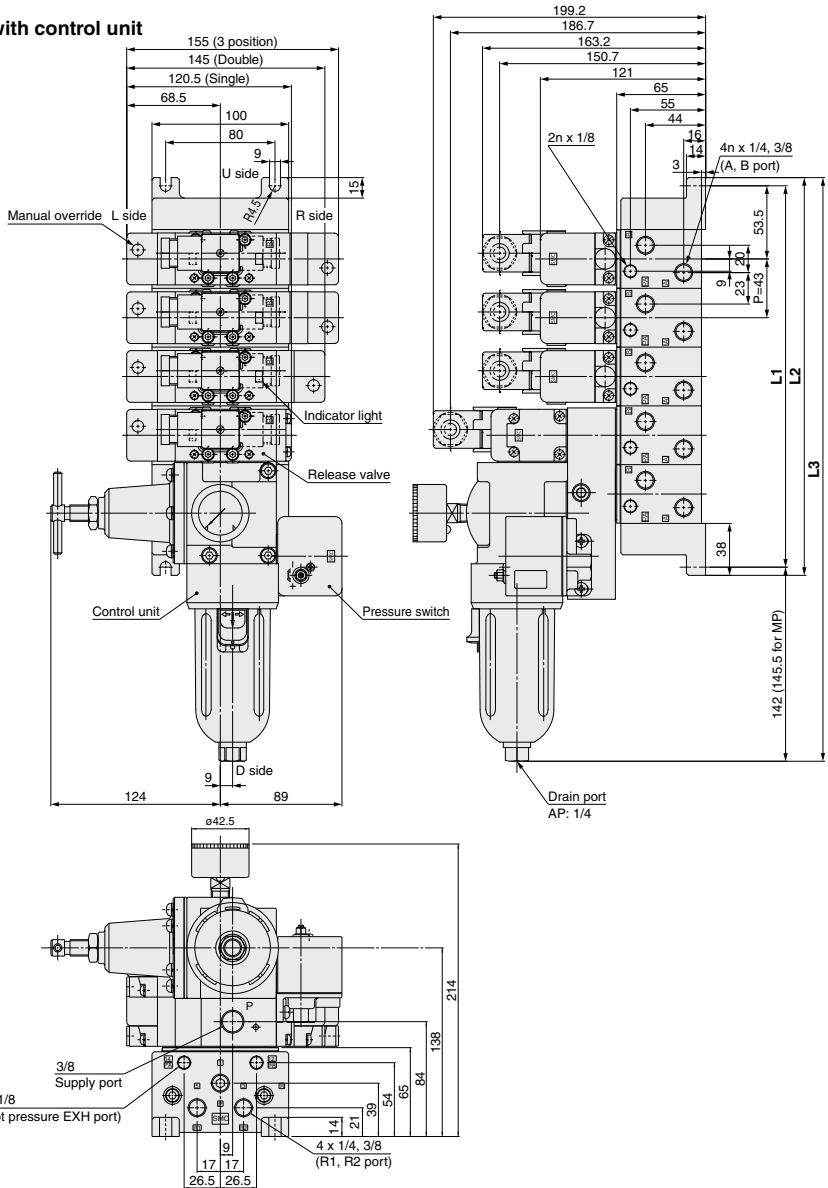
<Construction and piping >

1. The supply pressure (Po) passes through the regulator with filter ① and is adjusted to the prescribed pressure. Next, it goes through the release valve ② (downstream residual pressure switching function used as normally ON) and is supplied to the manifold base side (P).
2. When the release valve ② is OFF, the supply pressure from port Po is blocked, and the air which was being supplied to the manifold side port P passes through the release valve ② and is discharged from port R1.
3. The pressure switch is piped into the outlet side of the release valve ②. (It operates when the release valve ② is energized.) Also, since there is an internal voltage drop of 4V, it may not be possible to confirm the OFF and ON states with a tester, etc.

⚠ Caution

- In the case of air filters with auto-drain or manual drain, mount so that the air filter is at the bottom.

Manifold with control unit



L Dimension

	1	2	3	4	5	6	7	8	9	10	Formula
L1	107	150	193	236	279	322	365	408	451	494	$L1 = 43n + 64$
L2	119	162	205	248	291	334	377	420	463	506	$L2 = 43n + 76$
L3	255	298	341	384	427	470	513	556	599	642	$L3 = 43n + 212$ (215.5)
	(258.5)	(301.5)	(344.5)	(387.5)	(430.5)	(473.5)	(516.5)	(559.5)	(602.5)	(645.5)	

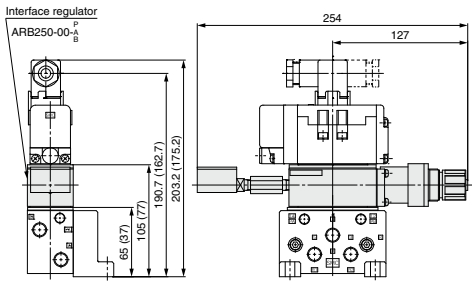
L3 dimensions inside () are for MP.

VQ7-6 Series

Manifold Option Parts

Interface regulator

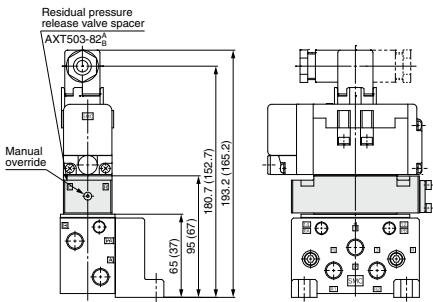
ARB250-00-^P_A^B



* Dimensions inside () are for sub-plate.

Residual pressure release valve spacer

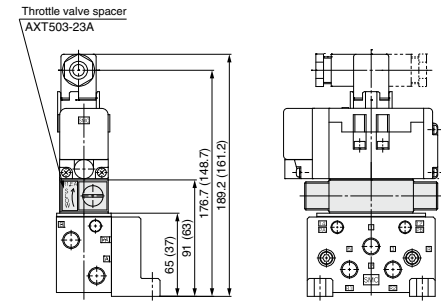
AZ503-82^A_B



* Dimensions inside () are for sub-plate.

Throttle valve spacer

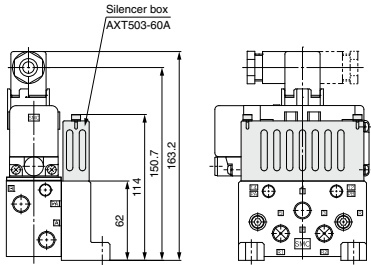
AXT503-23A



* Dimensions inside () are for sub-plate.

Silencer box

AXT503-60A

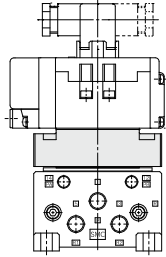
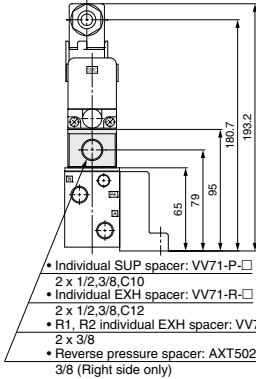


Spare parts

Description	Part no.
Element	AXT503-60-2-4

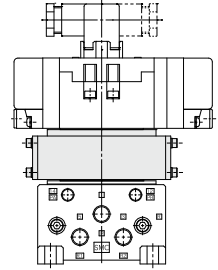
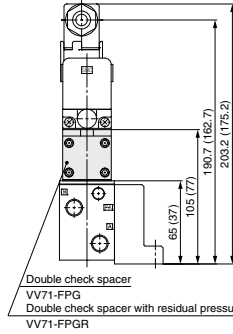
**Individual SUP spacer
Individual EXH spacer
R1, R2 individual EXH spacer
Reverse pressure spacer**

**VV71-P-□
VV71-R-□
VV71-R2-03
AXT502-21A-1**



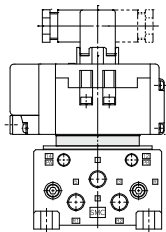
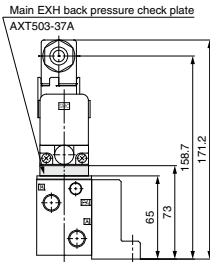
**Double check spacer
Double check spacer with
residual pressure release valve**

**VV71-FPG
VV71-FPGR**



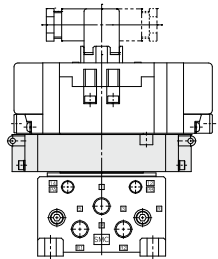
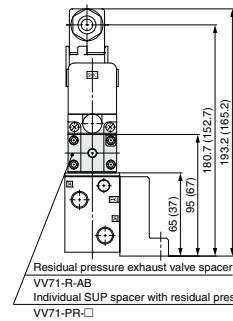
* Dimensions inside () are for sub-plate.

**Main EXH back pressure check plate
AXT503-37A**



**Residual pressure
release valve spacer
Individual SUP spacer with
residual pressure release valve**

**VV71-R-AB
VV71-PR-□**



* Dimensions inside () are for sub-plate.

SV
SYJ
SZ
VF
VP4
VQ 1/2
VQ 4/5
VQC 1/2
VQC 4/5
VQZ
SQ
VFS
VFR
VQ7

VQ7-6/VQ7-8 Series

Manifold Option Parts/Mounting Bolt Part No.

VQ7-6 Mounting Bolt Part No.

Number of options		0		Single stack						Double stack					
Mounting bolt	No.	AXT632-45-1	AXT632-45-2	AXT632-45-4	AXT632-45-5	AXT632-45-6	AXT632-45-7	AXT632-45-8	AXT632-45-9	AXT632-45-10	AXT632-45-11	AXT632-45-12	AXT632-45-13		
	Size	M5 x 35 with SW	M5 x 15 with SW	M5 x 45 with SW	M5 x 60 with SW	M5 x 65 with SW	M5 x 70 with SW	M5 x 75 with SW	M5 x 90 with SW	M5 x 95 with SW	M5 x 100 with SW	M5 x 105 with SW	M5 x 115 with SW		
Option mounting diagram															
		Valve	Blanking plate	Main exhaust back pressure check plate	Throttle valve spacer	Spacer (1)	Throttle valve spacer	Spacer (2)	Throttle valve spacer	Spacer (1)	Interface regulator	Throttle valve spacer	Spacer (2)	Spacer (1)	
												Note 2)	Note 3)		

Number of options		Triple stack				
Mounting bolt	No.	AXT632-45-14	AXT632-45-16	AXT632-45-17	AXT632-45-18	AXT632-45-19
	Size	M5 x 120 with SW	M5 x 130 with SW	M5 x 135 with SW	M5 x 140 with SW	M5 x 145 with SW
Option mounting diagram						
		Throttle valve spacer	Throttle valve spacer	Throttle valve spacer	Throttle valve spacer	Throttle valve spacer

The installation position of spacer (1) in the option mounting diagrams is limited only by the precautions given below.

Spacers

- Main EXH back pressure check plate
- Throttle valve spacer
- Release valve spacer
- Spacer (1)
 - Individual SUP spacer
 - Individual EXH spacer
 - R1, R2 individual EXH spacer
 - Reverse pressure spacer
 - Residual pressure release valve spacer
 - Individual SUP spacer with residual pressure release valve
- Spacer (2)
 - Interface regulator (P port regulation)
 - Interface regulator (A port regulation)
 - Interface regulator (B port regulation)
 - Double check spacer
 - Double check spacer with residual pressure release valve

- Note 1) A throttle valve spacer and double check spacer (including those with residual pressure release valve) cannot be combined.
- Note 2) When a double check spacer (Top) (including those with residual pressure release valve) and individual EXH spacer (Bottom) are combined with a R1, R2 individual EXH spacer (Bottom), be careful regarding the installation position.
- Note 3) When an interface regulator (Top) and double check spacer (Bottom) (including those with residual pressure release valve) (Bottom) are combined, be careful regarding the installation position.

VQ7-8 Mounting Bolt Part No.

Number of options		0		Single stack				Double stack			
Mounting bolt	No.	AXT632-54-1	AXT632-54-2	AXT632-54-3	AXT632-54-5	AXT632-54-6	AXT632-54-7	AXT632-54-8	AXT632-54-9	AXT632-54-10	AXT632-54-11
	Size	M6 x 45 with SW	M6 x 18 with SW	M6 x 55 with SW	M6 x 85 with SW	M6 x 100 with SW	M6 x 105 with SW	M6 x 125 with SW	M6 x 140 with SW	M6 x 145 with SW	M6 x 160 with SW
Option mounting diagram											
		Valve	Blanking plate	Main exhaust back pressure check plate	Spacer (1)	Interface regulator	Double check spacer	Spacer (1)	Interface regulator	Double check spacer	Interface regulator

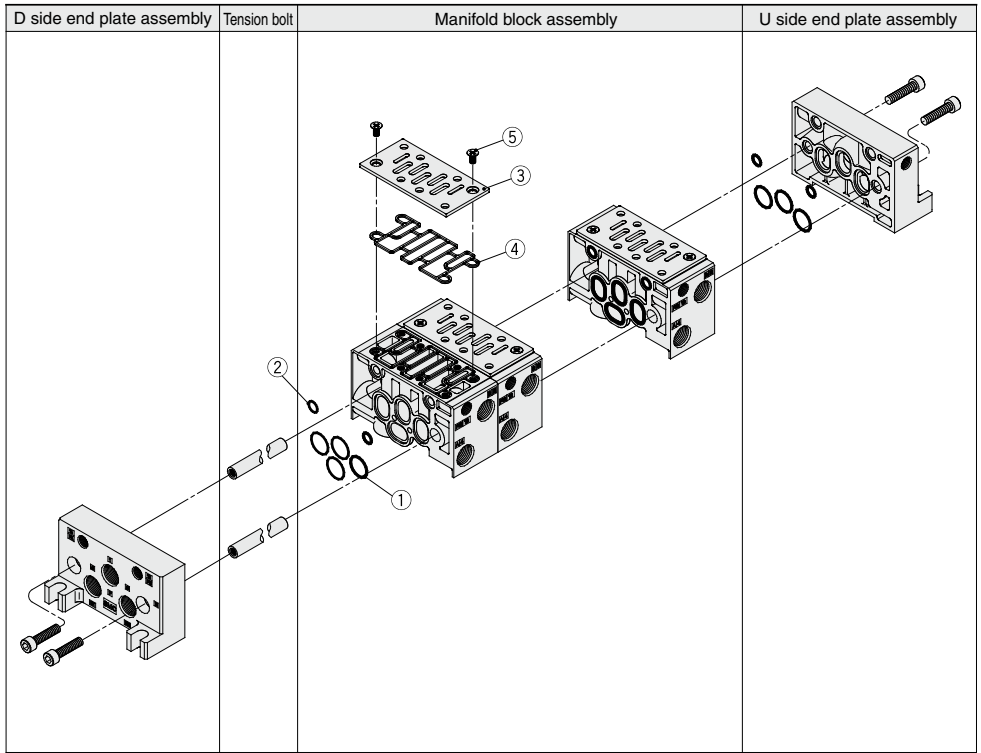
Number of options		Triple stack			
Mounting bolt	No.	AXT632-54-12	AXT632-54-13	AXT632-54-14	AXT632-54-15
	Size	M6 x 165 with SW	M6 x 180 with SW	M6 x 185 with SW	M6 x 200 with SW
Option mounting diagram					
		Throttle valve spacer	Interface regulator	Double check spacer	Interface regulator

Spacers

- Main EXH back pressure check plate
- Interface regulator (P port regulation)
- Interface regulator (A port regulation)
- Interface regulator (B port regulation)
- Double check spacer
- Spacer (1)
 - Individual SUP spacer
 - Individual EXH spacer
 - R1, R2 individual EXH spacer
 - Reverse pressure spacer
 - Residual pressure release valve spacer
- Throttle valve spacer
- Release valve spacer

- Note 1) A throttle valve spacer and double check spacer cannot be combined.
- Note 2) There is no limitation on the mounting position for spacer (1).
- Note 3) When a double check spacer (Top) (including those with residual pressure release valve) and individual EXH spacer (Bottom) are combined with a R1, R2 individual EXH spacer (Bottom), be careful regarding the installation position.
- Note 4) When an interface regulator (Top) and double check spacer (Bottom) (including those with residual pressure release valve) (Bottom) are combined, be careful regarding the installation position.

Exploded View of Manifold/VQ7-6



SV
SYJ
SZ
VF
VP4
VQ
1/2
VQ
4/5
VQC
1/2
VQC
4/5
VQZ
SQ
VFS
VFR
VQ7

<End Plate Assembly>

AXT502 - ☐ **A** - ☐ ☐

End plate position

L	U side
R	D side

P, R port size

02	1/4
03	3/8
C12	One-touch fitting for ø12

Thread type

Nil	Rc
F	G
T	NPTF

Note) It is not applicable to One-touch fittings.

<Tension Bolt Part No.>

AXT502 - 34 - ☐

Stations

2	For 2 stations
3	For 3 stations
:	:
10	For 10 stations

Note) These tie-rods are solid pieces for each number of stations.

<Manifold Block Assembly>

AXT502 - 1A - ☐ ☐ ☐ - ☐

Porting specifications

A	Side
B	Bottom

Cylinder port size

02	1/4
03	3/8
C6	One-touch fitting for ø6
C8	One-touch fitting for ø8
C10	One-touch fitting for ø10

Note 1) Side piping only

Note 2) In this manifold block assembly, the tension bolt for increasing station (1 station) is included.

Cylinder port location

L	L side
R	R side

Thread type

Nil	Rc
F	G
T	NPTF

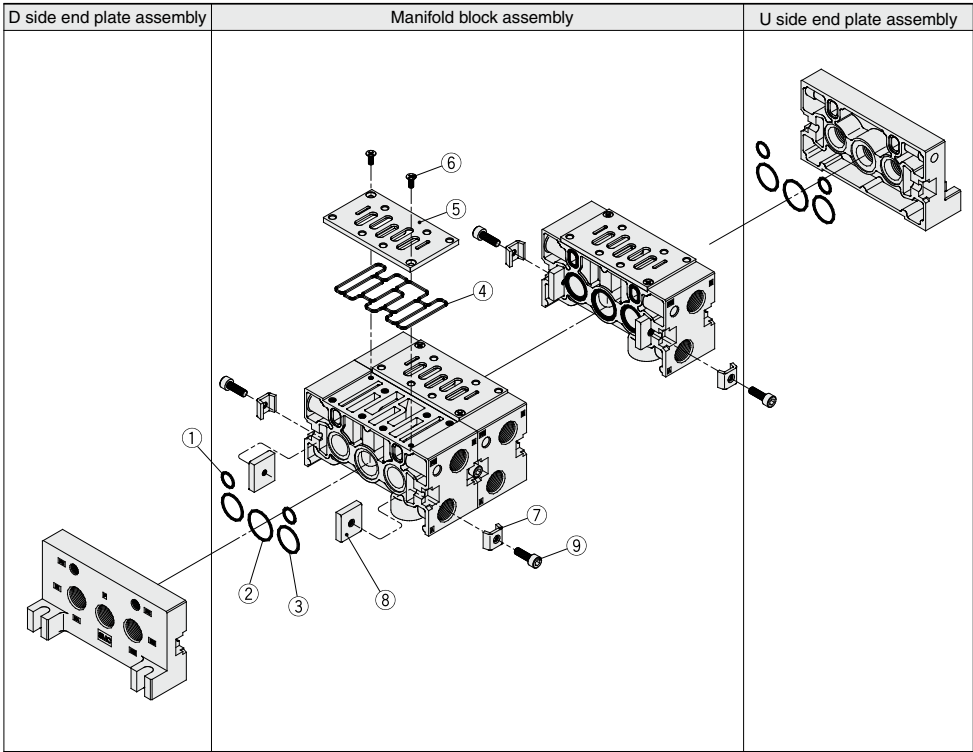
Note) It is not applicable to One-touch fittings.

Replacement Parts (For manifold block)

	Part no.	Description	Qty.	Material
1	AXT502-19	O-ring	4	NBR
2	AXT502-20	O-ring	2	NBR
3	AXT502-22-2	Plate	1	SPCC
4	AXT502-31	Gasket	1	NBR
5	M4 x 8	Oval countersunk head screw	2	SWRH

VQ7-6/VQ7-8 Series

Exploded View of Manifold/VQ7-8



<End Plate Assembly>

AXT512-A-

End plate position

L	U side
R	D side

P, R port size

04	1/2
06	3/4
C12	One-touch fitting for ø12

Thread type

Nil	Rc
F	G
T	NPTF

Note) It is not applicable to One-touch fittings.

Replacement Parts (For manifold block)

Part no.	Description	Qty.	Material
1	AXT512-13	O-ring	2 NBR
2	AS568-022	O-ring	1 NBR
3	AS568-020	O-ring	2 NBR
4	AXT512-5	Gasket	1 NBR
5	AXT512-4	Plate	1 SPCC
6	M4 x 10	Oval countersunk head screw	2 SWRH
7	AXT512-6-1	Connection fitting A	2 SPCC
8	AXT512-6-4	Connection fitting B	2 SS
9	AXT512-6-3	Hexagon socket head screw	2 SCM

<Manifold Block Assembly>

AXT512-1A--

Porting specifications

A	Side
B	Bottom

Cylinder port size

03	3/8
04	1/2

Cylinder port location

L	L side
R	R side

Thread type

Nil	Rc
F	G
T	NPTF