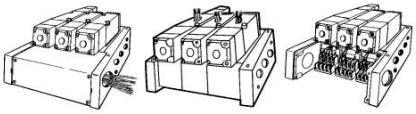
Series VVS410
Manifold Specifications

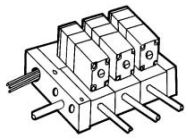
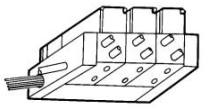


Specifications

Applicable valve	VS4110/4210/4310/4410
Valve stations	Max. 10 stations (Standard)
Accessory	With terminal ∗ With interface regulator ∗ With stop valve/With flow controls

∗ Option

Standard Piping Specifications

Type	Configuration	Port size Rc			Conduit ∗ port size G
		P	A, B	EA, EB	
Common EXH		1/4 , 3/8 (Side)	1/8 , 1/4 (Side)	1/4 , 3/8 (Side)	1, 1 1/4
Individual EXH		1/4 , 3/8 (Side)	1/8 , 1/4 (Side)	1/8 , 1/4 (Bottom)	

∗ Optional piping: Individual SUP and different pressure SUP. But it will be the bottom porting specifications.
Note) Each port size will be a big size for standard. When the small size is desired, indicate separately.

How to Order

VV S 4 1 0 – 05 SC 1 T – ☐

Valve
Manifold base

Applicable valve series

S	VS4□10

Applicable valve
4 way

Applicable valve
Base size: 1/8

Porting specifications

Symbol	P	A, B	EA, EB
0	Side	Side	Side
1	Side	Bottom	Side
9	Other		

Valve stations

02	2 stations
⋮	⋮
05	5 stations
⋮	⋮
10	10 stations

Electrical entry

Symbol	Electrical entry position
SC	Manifold block
SU	Valve body

Manifold specifications

Symbol	SUP	EXH
1	Common	Common
2	Common	Individual
3	Individual	Common
4	Individual	Individual
5	Dissimilar pressure	Common
6	Dissimilar pressure	Individual

Accessory

T ∗	With terminal
S	With stop valve
R	With throttle valve

∗ Type SC only.

Thread type

Nil	Rc
N ∗	NPT
T ∗	NPTF
F ∗	—

∗ Option

⚠ Precautions

Be sure to read before handling. For Safety Instructions and Splenoid Valve Precautions, refer to page 3-13-2.

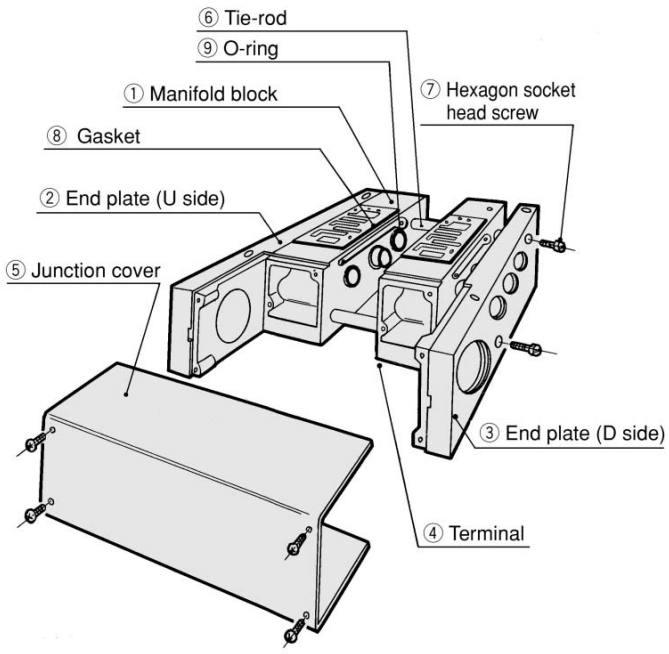
Mounting

⚠ Caution

1. SUP port and EXH port are positioned on both sides of manifold block. Air can be supplied from either side; however, the unused port must be plugged in this case. When operating 6 or more valve stations within a manifold at the same time, take SUP air pressure from both sides and open EXH port to the atmosphere.

2. When manifolding an exhaust center 3 position valve, use the individual EXH style manifold. (Back pressure may cause actuator to malfunction.)

Construction



• Replacement Parts: Sub-assembly

No.	Description	Assembly part no.	Electrical entry
①	Manifold block assembly	AXT336-1A-1 $^{01}_{02}$	SC (T only)
		AXT336-1A-2 $^{01}_{02}$	Type SU
		AXT336-1A-3 $^{01}_{02}$	Type SC
②	End plate (U side) assembly	AXT336-2A-1- $^{02}_{03}$	Type SC
		AXT336-2A-2- $^{02}_{03}$	Type SU
③	End plate (D side) assembly	AXT336-3A-1- $^{02}_{03}$	Type SC
		AXT336-3A-2- $^{02}_{03}$	Type SU
④	Terminal assembly	AXT622-5A	
⑤	Junction cover assembly	AXT336-4A- Stations	
⑥	Tie-rod	AXT336-5- Stations	

• Replacement Parts

No.	Description	Material	Part no.
⑦	Hexagon socket head screw	Carbon steel	M6 x 25
⑧	Gasket	NBR	AXT335-12-3
⑨	O-ring	NBR	AS568-015

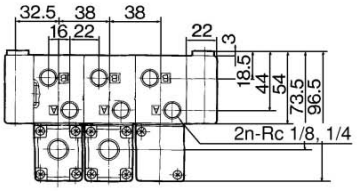
• Manifold Optional Parts Assembly

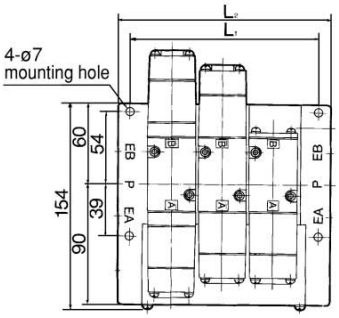
Option	Part no.
Blanking plate	AXT336-7A
Throttle valve spacer	AXT392A
Stop valve spacer	AXT395A
Interface regulator	ARB110-00- $^{1}_{2}$ $^{\text{(P port regulation)}}_{\text{(A/B port regulation)}}$
Block disk	AXT336-6
Rubber plug	AXT336-9

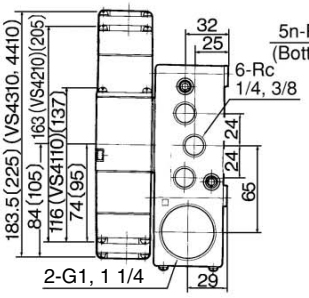
Dimensions

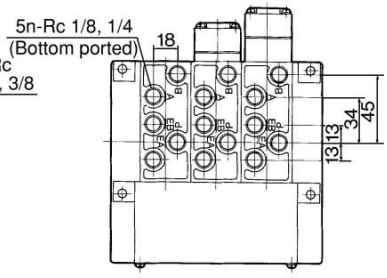
Type SC

(Electrical entry position: Manifold block)







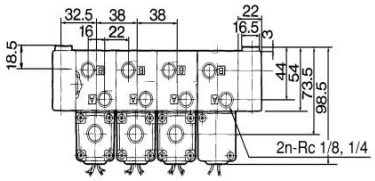


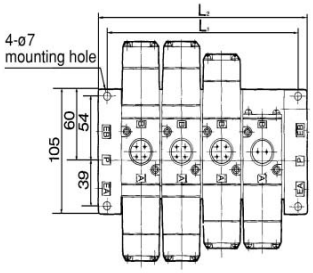
Formula/Stations	2	3	4	5	6	7
L_1 = 38n + 27	103	141	179	217	255	293
L_2 = 38n + 44	120	158	196	234	272	310

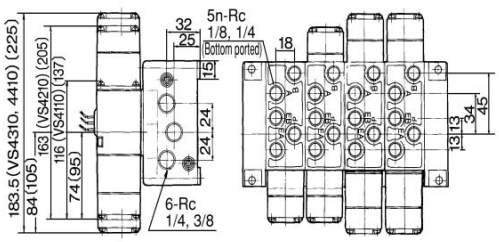
Formula for manifold weight M = 0.405n + 0.49 (kg)

Type SU

(Electrical entry position: Valve body)







Formula/Stations	2	3	4	5	6	7
L_1 = 38n + 27	103	141	179	217	255	293
L_2 = 38n + 44	120	158	196	234	272	310

Formula for manifold weight M = 0.325n + 0.39 (kg)

( ): DC