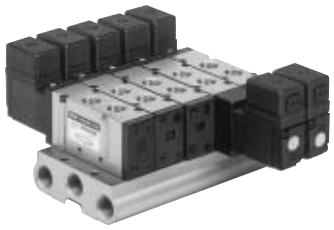
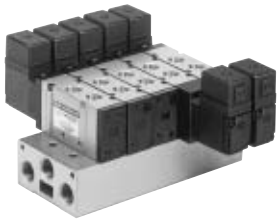
Series *VFS2000*
Manifold Specifications
Single Base Type

Keeps environmental air clean from pilot exhaust

Use of the VV5FS2-30 manifold can exhaust side, and can prevent environmental aggravation due to noise and oil mist.



VV5FS2-20



VV5FS2-30

Part no. for mounting bolt and gasket
BG-VFS2030

Specifications

Manifold base type	Bar manifold, Body ported
Stations	Max. 15 stations

Port Specifications

Symbol	Passage		Porting specifications: Rc		
			Base	Valve	Base
	1(P)	5(R1), 3(R2)	1(P)	2(B), 4(A)	3(R2), 5(R1)
1	Common	Common	Side: 3/8	Top: 1/8, 1/4	Side: 3/8

Option

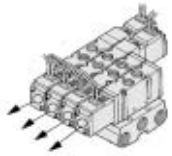
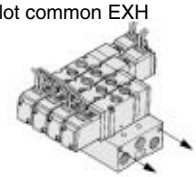
Blanking plate	VVFS2000-10A-1	With gasket, screw

How to Order Manifold Base

VV5FS2 – 20 – 05 – 1 – 03 □

Series VFS2000 Manifold

Base model

Model	Pilot exhaust	Applicable valve model
20	Pilot individual EXH 	VFS2□20-□□-$^{01}_{02}$
30	Pilot common EXH 	VFS2□30-□□-$^{01}_{02}$ ∗VFS2□20-□□-$^{01}_{02}$ mountable

Stations

02	2 stations
⋮	⋮
15	15 stations

Symbol

	Passage		Porting specifications
	1(P)	3(R2), 5(R1)	2(B), 4(A)
1	Common Rc 3/8	Common Rc 3/8	Top Rc 1/8, 1/4

P, EA, EB port size
03–Rc 3/8

Thread type

Nil	Rc
N∗	NPT
T∗	NPTF
F∗	G

∗ Option

How to Order Manifold Assembly

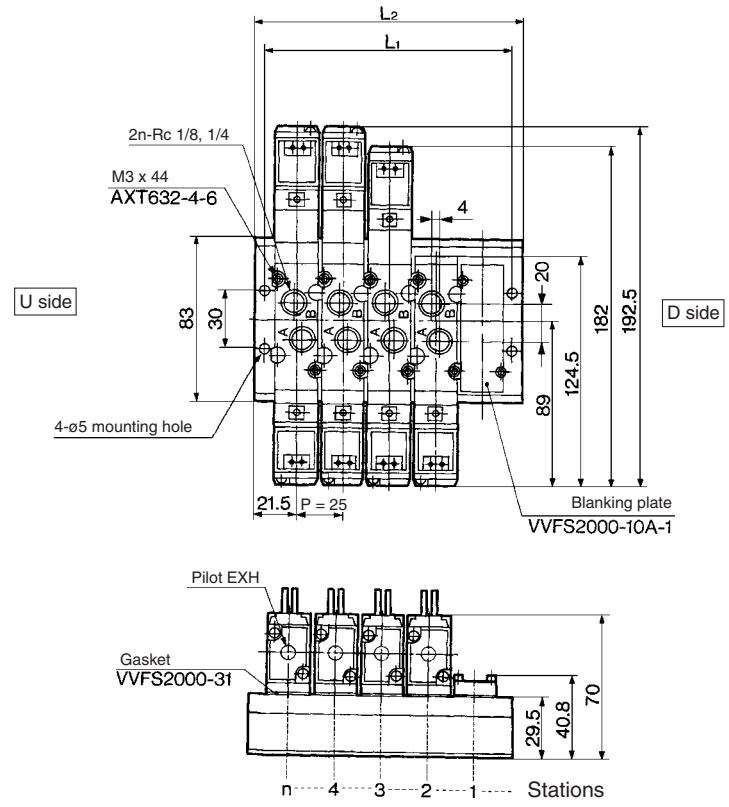
Instruct by specifying the valves and blanking plate to be mounted on the manifold along with the manifold base model no.

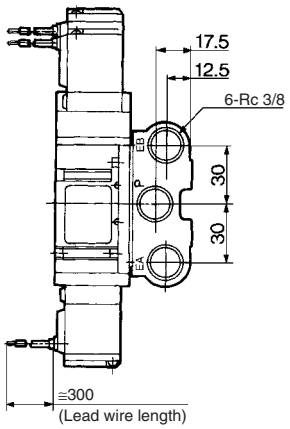
<Examble>

(Manifold base)	VV5FS2-20-061-03 ····· 1
(2 position single)	VFS2120-1D-02 ····· 3
(2 position double)	VFS2220-1D-02 ····· 2
(Blanking plate)	VVFS2000-10A-1 ····· 1

Type 20 Manifold Pilot individual exhaust: VV5FS2-20-Station 1-03

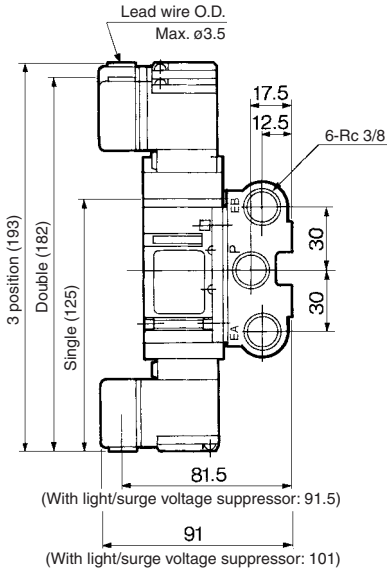
Grommet: G



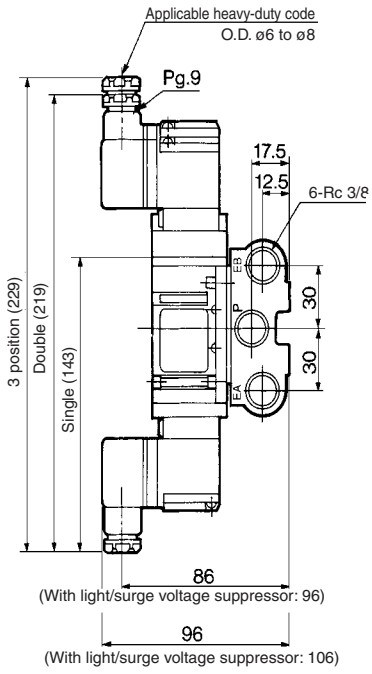


Formula for manifold weight M = 0.108n + 0.068 (kg) n: Station

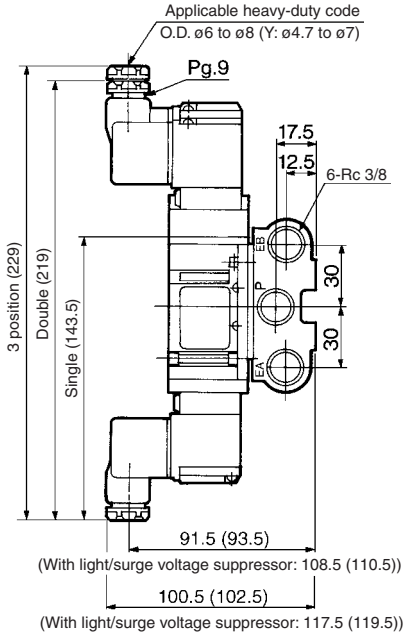
Grommet terminal: E/EZ



Conduit terminal: T/TZ



DIN terminal: D/DZ



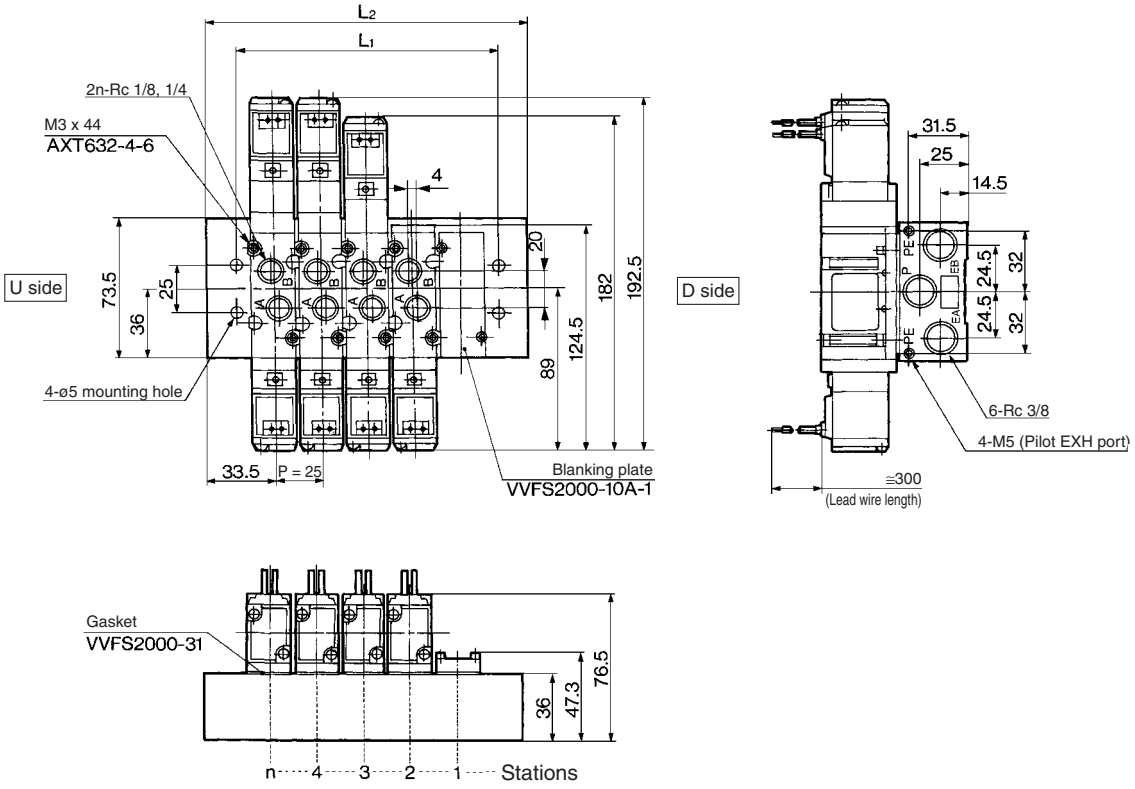
( ): Y, YZ

n: Station

L \ Stations	2	3	4	5	6	7	8	9	10	Formula
L_1	58	83	108	133	158	183	208	233	258	$L_1 = 25 \times n + 8$
L_2	68	93	118	143	168	193	218	243	268	$L_2 = 25 \times n + 18$

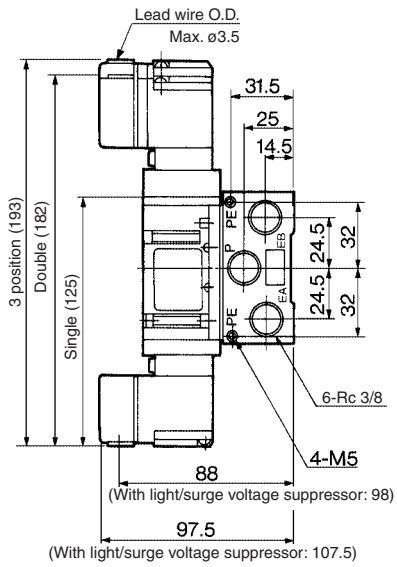
Type 30 Manifold Pilot common exhaust: VV5FS2-30-Station 1-03

Grommet: G

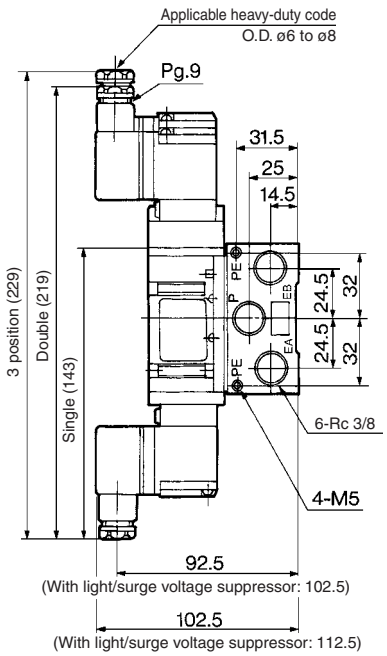


Formula for manifold weight M = 0.12n + 0.21 (kg) n: Station

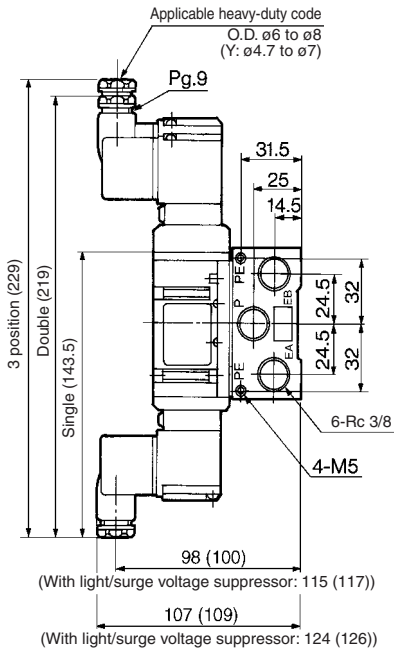
Grommet terminal: E/EZ



Conduit terminal: T/TZ



DIN terminal: D/DZ/Y/YZ



( ): Y, YZ

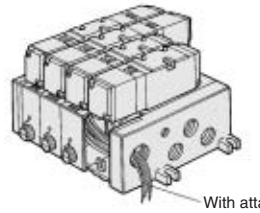
n: Station

L \ Stations	2	3	4	5	6	7	8	9	10	Formula
L_1	62	87	112	137	162	187	212	237	262	$L_1 = 25 \times n + 12$
L_2	92	117	142	167	192	217	242	267	292	$L_2 = 25 \times n + 42$

Manifold Specifications

Plug-in Type: With Attachment Plug Lead Wire

The insert plug is attached to the manifold block and lead wire is plugged into the valve side. Please connect with corresponding power side.



VV5FS2 − 01 − 06 | 1 | 01 |

- **VV5FS2**: Series VFS2000 Manifold
- **01**: Plug-in type — With attachment plug lead wire
- **Stations**

02	2 stations
⋮	⋮
15	15 stations

- **Symbol**

Symbol	Passage P	Passage EA, EB	Porting specifications A, B
1	Common	Common	Side
2*			Bottom
3*	Common	Individual	Side
4*			Bottom
5*	Individual	Common	Side
6*			Bottom
7*	Individual	Individual	Side
8*			Bottom

* Option

- **Thread type**

Nil	Rc
N*	NPT
T*	NPTF
F*	G

* Option

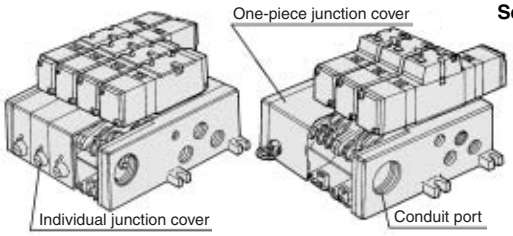
- **Port size**

Symbol	P, EA, EB	A, B
01	Rc 1/4	Rc 1/8
02		Rc 1/4
M		Mixed

* For bottom ported, Rc 1/8 is only available.

Plug-in Type: With Terminal Block

Since lead wires of solenoid valve are connected with the terminals on upper surface of terminal block, corresponding lead wires from power source can be wired at the bottom of terminal block.



VV5FS2 −01T 1 − 08 | 1 | 02 |

- **VV5FS2**: Series VFS2000 Manifold
- **01T**: Plug-in type — With terminal block
- **Junction cover**

Nil	Separate junction cover
1	One-piece junction cover

- **Stations**

02	2 stations
⋮	⋮
15	15 stations

- **Symbol**

Symbol	Passage P	Passage EA, EB	Porting specifications A, B
1	Common	Common	Side
2*			Bottom
3*	Common	Individual	Side
4*			Bottom
5*	Individual	Common	Side
6*			Bottom
7*	Individual	Individual	Side
8*			Bottom

* Option

- **Thread type**

Nil	Rc
N*	NPT
T*	NPTF
F*	G

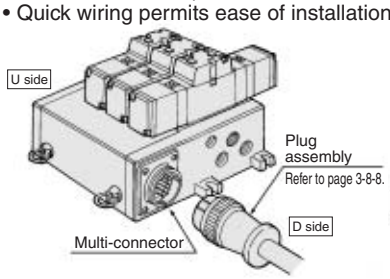
* Option

- **Port size**

Symbol	P, EA, EB	A, B
01	Rc 1/4	Rc 1/8
02		Rc 1/4
M		Mixed

* For bottom ported, Rc 1/8 is only available.

- Master connection of power and solenoid valves.
- Quick wiring permits ease of installation.



VV5FS2 −01C D 1 − 05 | 2 | 01 |

- **VV5FS2**: Series VFS2000 Manifold
- **01C**: Plug-in type — With multi-connector
- **D**: Connector mounting direction

D	D side mounting
U	U side mounting

- **Junction cover**

1	One-piece junction cover

- **Stations**

02	2 stations
⋮	⋮
08	8 stations

* Max. 8 stations

- **Symbol**

Symbol	Passage P	Passage EA, EB	Porting specifications A, B
1	Common	Common	Side
2*			Bottom
3*	Common	Individual	Side
4*			Bottom
5*	Individual	Common	Side
6*			Bottom
7*	Individual	Individual	Side
8*			Bottom

* Option

- **Thread type**

Nil	Rc
N*	NPT
T*	NPTF
F*	G

* Option

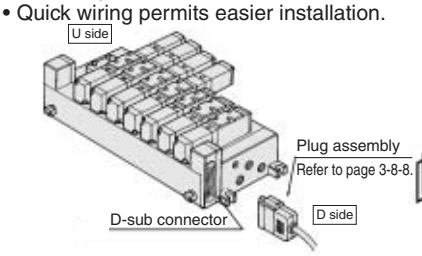
- **Port size**

Symbol	P, EA, EB	A, B
01	Rc 1/4	Rc 1/8
02		Rc 1/4
M		Mixed

* For bottom ported, Rc 1/8 is only available.

Plug-in Type: With D-sub Connector (Wiring specifications: Refer to page 3-8-8.)

- Wide range of interchangeability (D-sub connector (25P) conforming to MIL standard)
- Quick wiring permits easier installation.



VV5FS2 −01F U 1 − 06 | 1 | 01 |

- **VV5FS2**: Series VFS2000 Manifold
- **01F**: Plug-in type — With D-sub connector
- **U**: Connector mounting direction

D	D side mounting
U	U side mounting

- **Junction cover**

1	One-piece junction cover

- **Stations**

02	2 stations
⋮	⋮
08	8 stations

* Max. 8 stations

- **Symbol**

Symbol	Passage P	Passage EA, EB	Porting specifications A, B
1	Common	Common	Side
2*			Bottom
3*	Common	Individual	Side
4*			Bottom
5*	Individual	Common	Side
6*			Bottom
7*	Individual	Individual	Side
8*			Bottom

* Option

- **Thread type**

Nil	Rc
N*	NPT
T*	NPTF
F*	G

* Option

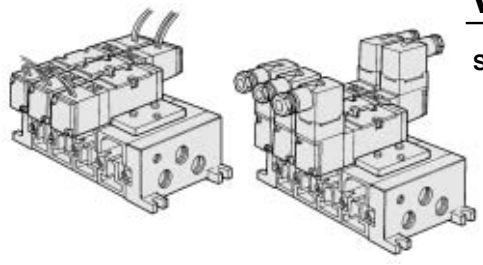
- **Port size**

Symbol	P, EA, EB	A, B
01	Rc 1/4	Rc 1/8
02		Rc 1/4
M		Mixed

* For bottom ported, Rc 1/8 is only available.

Non Plug-in Type: Grommet, Grommet Terminal, Conduit Terminal, DIN Terminal

- Wiring for every valve



VV5FS2 − 10 − 05 | 2 | 01 |

- **VV5FS2**: Series VFS2000 Manifold
- **10**: Non plug-in type
- **Stations**

02	2 stations
⋮	⋮
15	15 stations

- **Symbol**

Symbol	Passage P	Passage EA, EB	Porting specifications A, B
1	Common	Common	Side
2*			Bottom
3*	Common	Individual	Side
4*			Bottom
5*	Individual	Common	Side
6*			Bottom
7*	Individual	Individual	Side
8*			Bottom

* Option

- **Thread type**

Nil	Rc
N*	NPT
T*	NPTF
F*	G

* Option

- **Port size**

Symbol	P, EA, EB	A, B
01	Rc 1/4	Rc 1/8
02		Rc 1/4
M		Mixed

* For bottom ported, Rc 1/8 is only available.

Note) The individual specification of the P port at the composition symbol 3 to 8 or the EA, EB, ports should be taken as individual port using a block plate. Therefore, if an individual port is using a single SUP spacer of option or a single EXH spacer, the composition symbol mark is "1".

How to Order Manifold Assembly

Please indicate manifold base type, corresponding valve, and option parts.

<Example>

- Plug-in type with terminal block
  (6 stations, one-piece style junction cover)
  (Manifold base) VV5FS2-01T1-061-02····· 1
  (2 position single) VFS2100-5FZ····· 3
  (2 position double) VFS2200-5FZ····· 2
  (Blanking plate) VVFS2000-10A····· 1
- Non plug-in type (6 stations)
  (Manifold base) VV5FS2-10-061-01····· 1
  (2 position single) VFS2110-5D ····· 3
  (3 position exhaust center) VFS2410-5D····· 1
  (Individual EXH spacer) VVFS2000-R-01-2···· 1

Manifold Specifications

Base model	Wiring	Porting specifications	Port size Rc		Stations	Applicable valve model
		A, B port	P, EA, EB	A, B		
Plug-in type VV5FS2-01□	• With attachment plug lead wire • With terminal block • With multi-connector • With D-sub connector	Side/Bottom	1/4	1/8, 1/4	2 to 15* stations	VFS2□00-□F
Non plug-in type VV5FS2-10	• Grommet • Grommet terminal • Conduit terminal • DIN terminal					VFS2□10-□G VFS2□10-□E VFS2□10-□T VFS2□10-□D

* With circular connector, with D-sub connector: 8 stations at the maximum.

Flow Characteristics at the Number of Manifold Stations (Operated individually)

Model	Passage/Stations		Station 1	Station 5	Station 10
VVFS2	1 → 4/2 (P → A/B)	C [dm³/(s·bar)]	2.4	2.4	2.4
		b	0.14	0.14	0.14
		Cv	0.50	0.50	0.50
	4/2 → 5/3 (A/B → R1/R2)	C [dm³/(s·bar)]	2.5	2.5	2.5
		b	0.18	0.18	0.18
		Cv	0.60	0.60	0.60

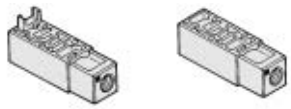
* Port size Rc 1/4

Manifold Option Parts Assembly

Individual SUP spacer

An individual SUP spacer set on manifold block can form SUP port for every valve.

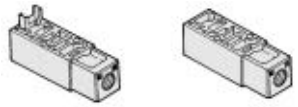
Body type		Plug-in type	Non plug-in type
Part no.	Rc 1/8	VVFS2000-P-01-1	VVFS2000-P-01-2
	Rc 1/4	VVFS2000-P-02-1	VVFS2000-P-02-2



Individual EXH spacer

An individual EXH spacer set on manifold block can form EXH port for every valve. (Common EXH type)

Body type		Plug-in type	Non plug-in type
Part no.	Rc 1/8	VVFS2000-R-01-1	VVFS2000-R-01-2
	Rc 1/4	VVFS2000-R-02-1	VVFS2000-R-02-2



SUP block disk

When supplying manifold with more than two different pressures, high and low, insert a block disk in between stations subjected to different pressures.

Body type	Plug-in type	Non plug-in type
Part no.	AXT625-12A	

EXH block disk

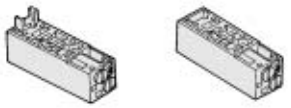
When valve exhaust affects the other stations on the circuit or when the reverse pressure valve is used to standard manifold valve, insert EXH block disk in between stations to separate valve exhaust.

Body type	Plug-in type	Non plug-in type
Part no.	AXT625-12A	

Throttle valve spacer

Needle valve set on the manifold block can control cylinder speed by throttling exhaust.

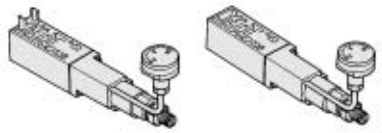
Body type	Plug-in type	Non plug-in type
Part no.	VVFS2000-20A-1	VVFS2000-20A-2



Interface regulator (P port regulation)

Interface regulator set on manifold block can regulate the pressure to each valve. Refer to "Flow Characteristics" on page 3-8-6.

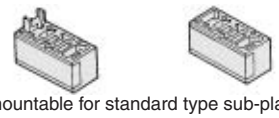
Body type	Plug-in type	Non plug-in type
P port regulation	ARBF2000-00-P-1	ARBF2000-00-P-2



Air shutoff valve spacer

When stopping supply air and releasing residual pressure after completion of work, actuators may move from original position. Air shut off valve spacer makes it possible to stop actuators in original position for extended periods.

Body type	Plug-in type	Non plug-in type
Part no.	VVFS2000-21A-1	VVFS2000-21A-2



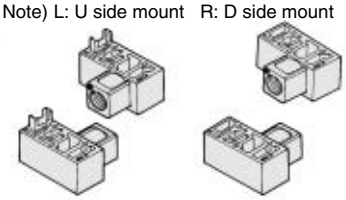
* Not mountable for standard type sub-plate.

Air release valve spacer

The concurrent use of air release valve spacer with VFS21□0 can release air.

Body type	Plug-in type	Non plug-in type
Part no.	VVFS2000-24A-1 L/R	VVFS2000-24A-2 L/R

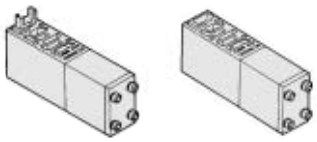
Note) L: U side mount R: D side mount



Double check spacer

If the double check spacer with a built-in double check valve is combined, it will enable the cylinder to stop in the intermediate stroke and maintain its position for a long time without being affected by the leakage between the spools.

Body type	Plug-in type	Non plug-in type
Part no.	VVFS2000-22A-1	VVFS2000-22A-2



Blanking plate

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.

Body type	Plug-in type	Non plug-in type
Part no.	VVFS2000-10A	

Accessory

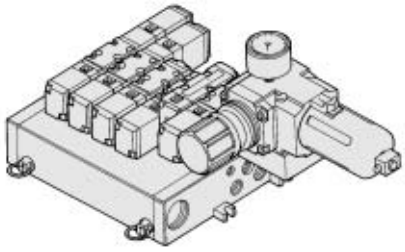
One pair of gasket and mounting thread is attached to every option parts assembly.

Manifold Option

With control unit

Plug-in type/Non plug-in type

- **Filter, regulation valve, pressure switch and air release valve are all combined to form one unit.**
- **Piping processes are eliminated.**

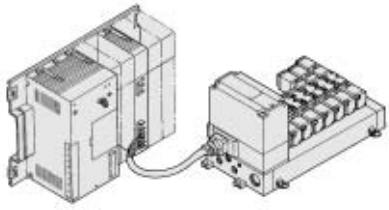


For details, refer to page 3-8-47.

With serial interface unit for serial transmission

Plug-in type

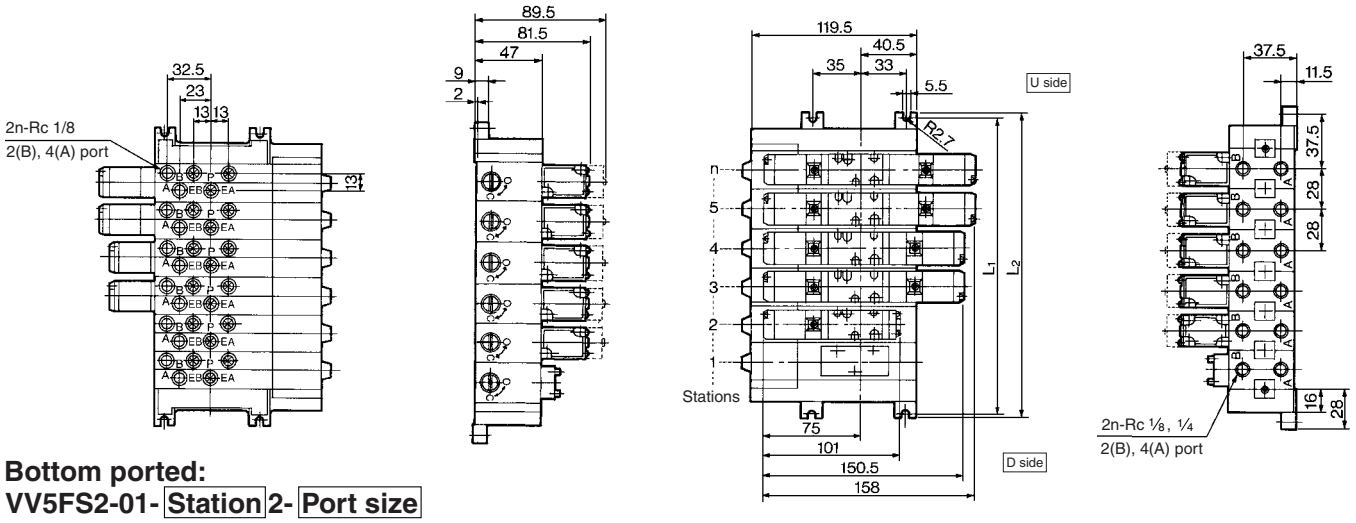
- **Solenoid valve wiring process reduced considerably.**
- **Disperse installation possible. Manifold solenoid valve: 8 stations max. 32 positions (512 solenoids).**
- **Maintenance and inspection are easy.**



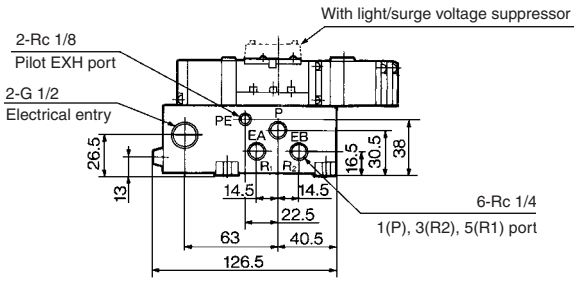
For details, refer to "Serial Transmission" catalog separately.

Manifold Plug-in type, Non plug-in type

Plug-in type (Insert plug with lead wire): VV5FS2-01- Station 1- Port size

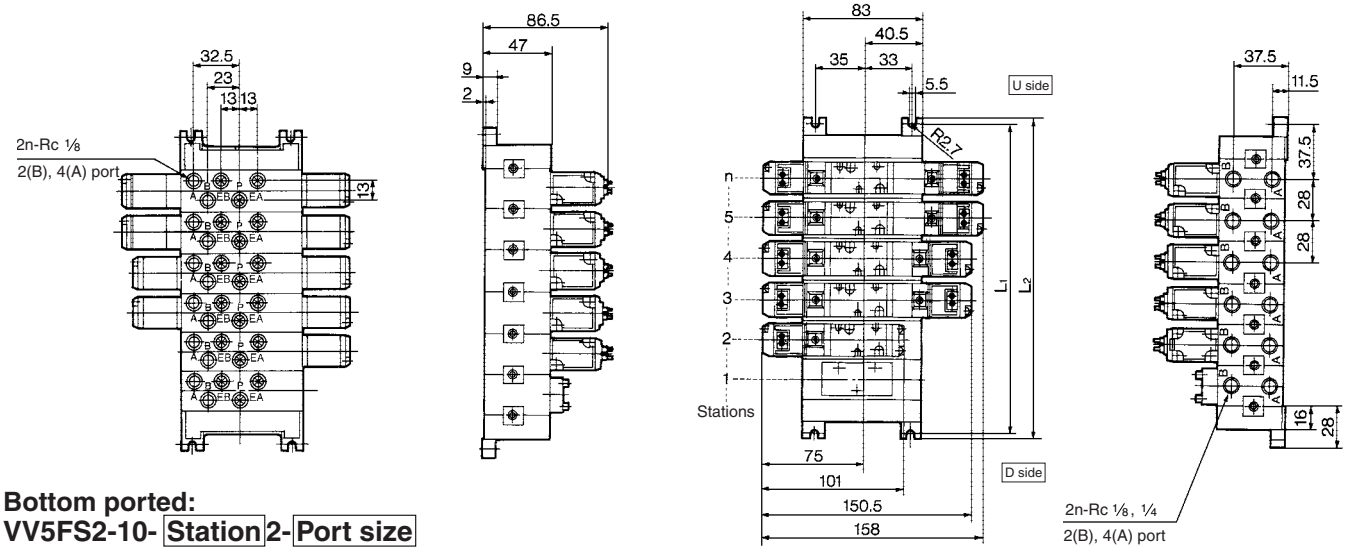


Bottom ported: VV5FS2-01- Station 2- Port size

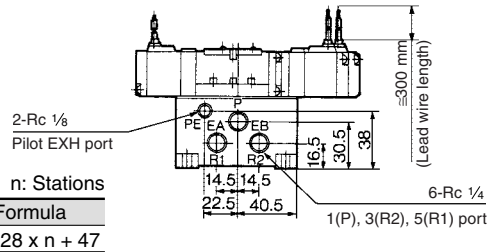


Formula for manifold weight M = 0.201n + 0.299 (kg) n: Station

Non plug-in type: VV5FS2-10- Station 1- Port size



Bottom ported: VV5FS2-10- Station 2- Port size



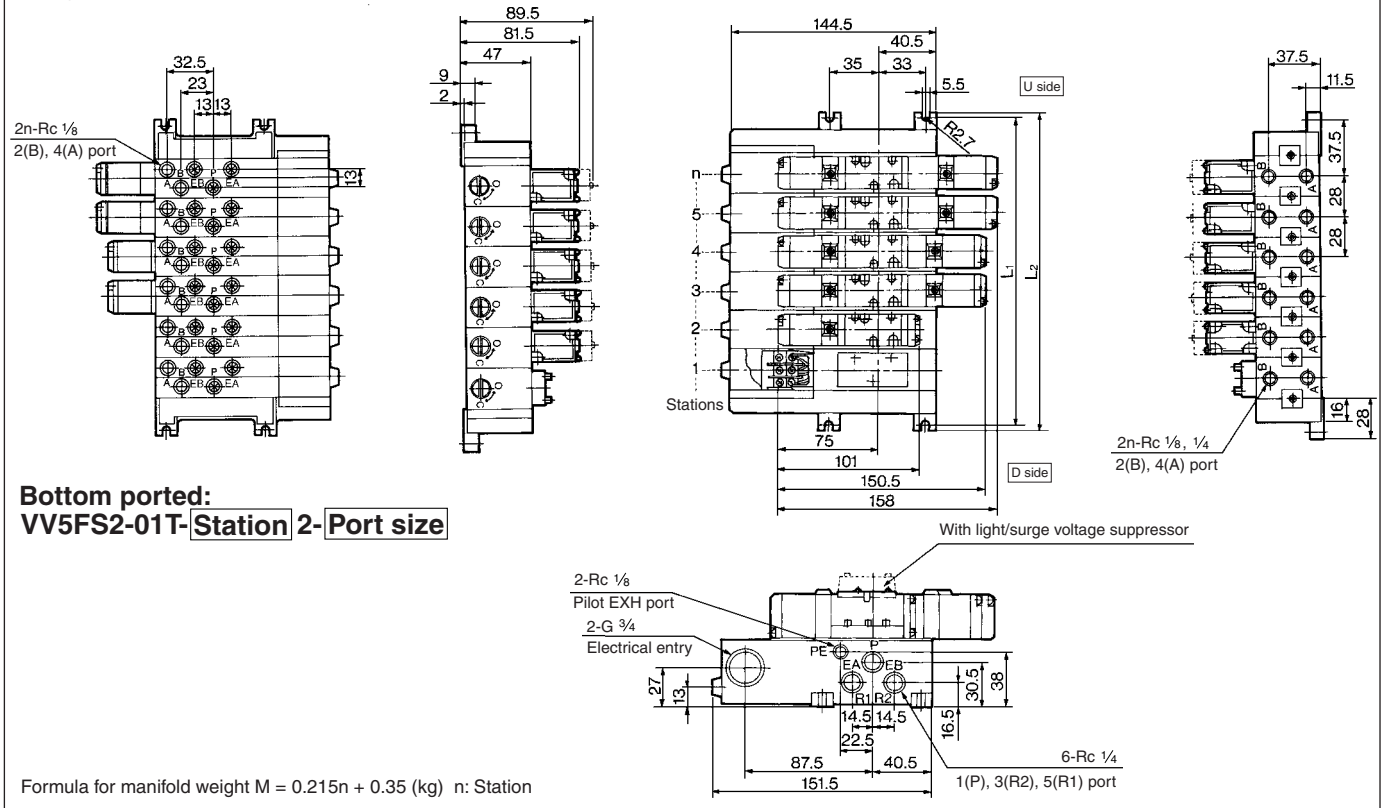
Formula for manifold weight M = 0.174n + 0.218 (kg)

n: Stations

L \ Stations	1	2	3	4	5	6	7	8	9	10	Formula
L_1	75	103	131	159	187	215	243	271	299	327	$L_1 = 28 \times n + 47$
L_2	84	112	140	168	196	224	252	280	308	336	$L_2 = 28 \times n + 56$

Manifold Plug-in type: Individual/One-piece junction cover

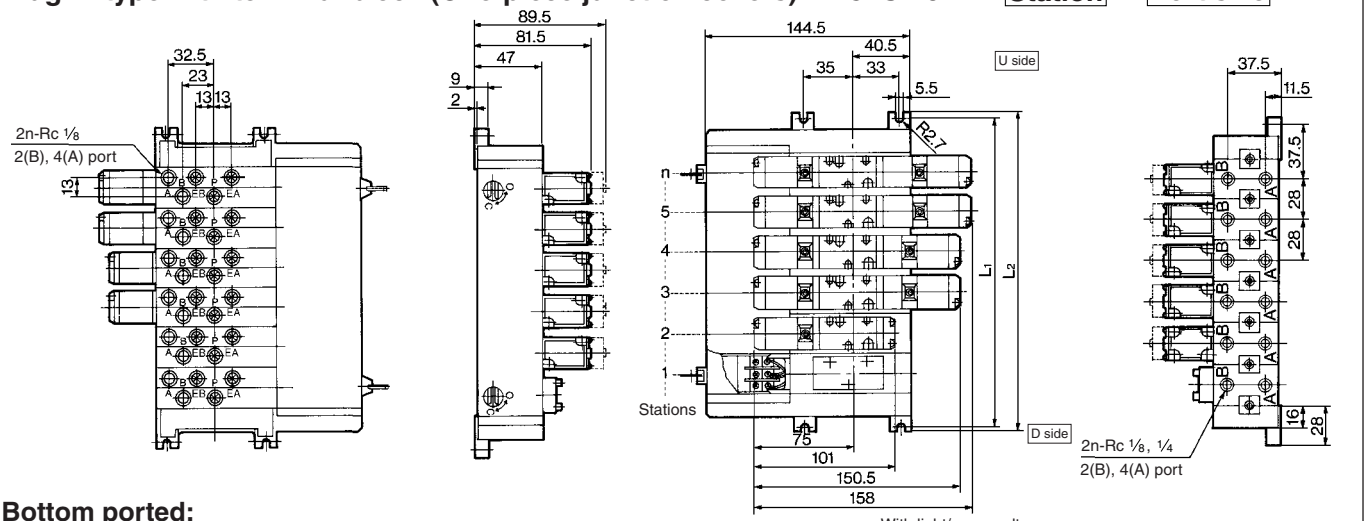
Plug-in type with terminal block (Individual junction covers): VV5FS2-01T- Station 1- Port size



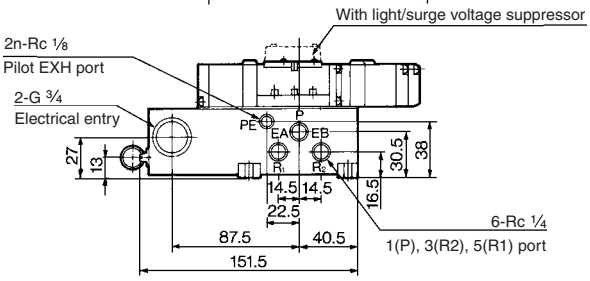
Bottom ported:
VV5FS2-01T- Station 2- Port size

Formula for manifold weight M = 0.215n + 0.35 (kg) n: Station

Plug-in type with terminal block (One-piece junction covers): VV5FS2-01T1- Station 1- Port size



Bottom ported:
VV5FS2-01T1- Station 2- Port size

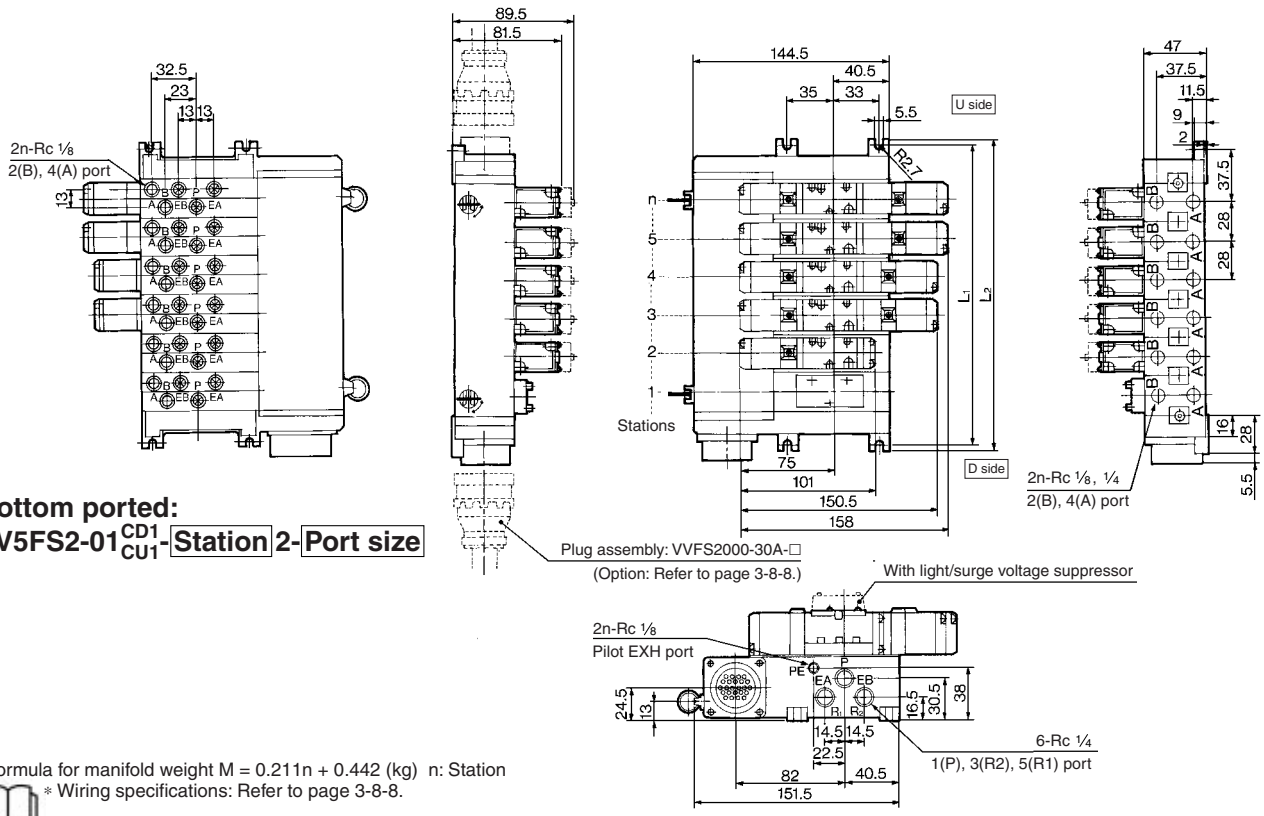


Formula for manifold weight M = 0.236n + 0.354 (kg) n: Station

L / Stations	1	2	3	4	5	6	7	8	9	10	Formula
L1	75	103	131	159	187	215	243	271	299	327	L1 = 28 x n + 47
L2	84	112	140	168	196	224	252	280	308	336	L2 = 28 x n + 56

Manifold Plug-in with multi-connector/with D-sub connector

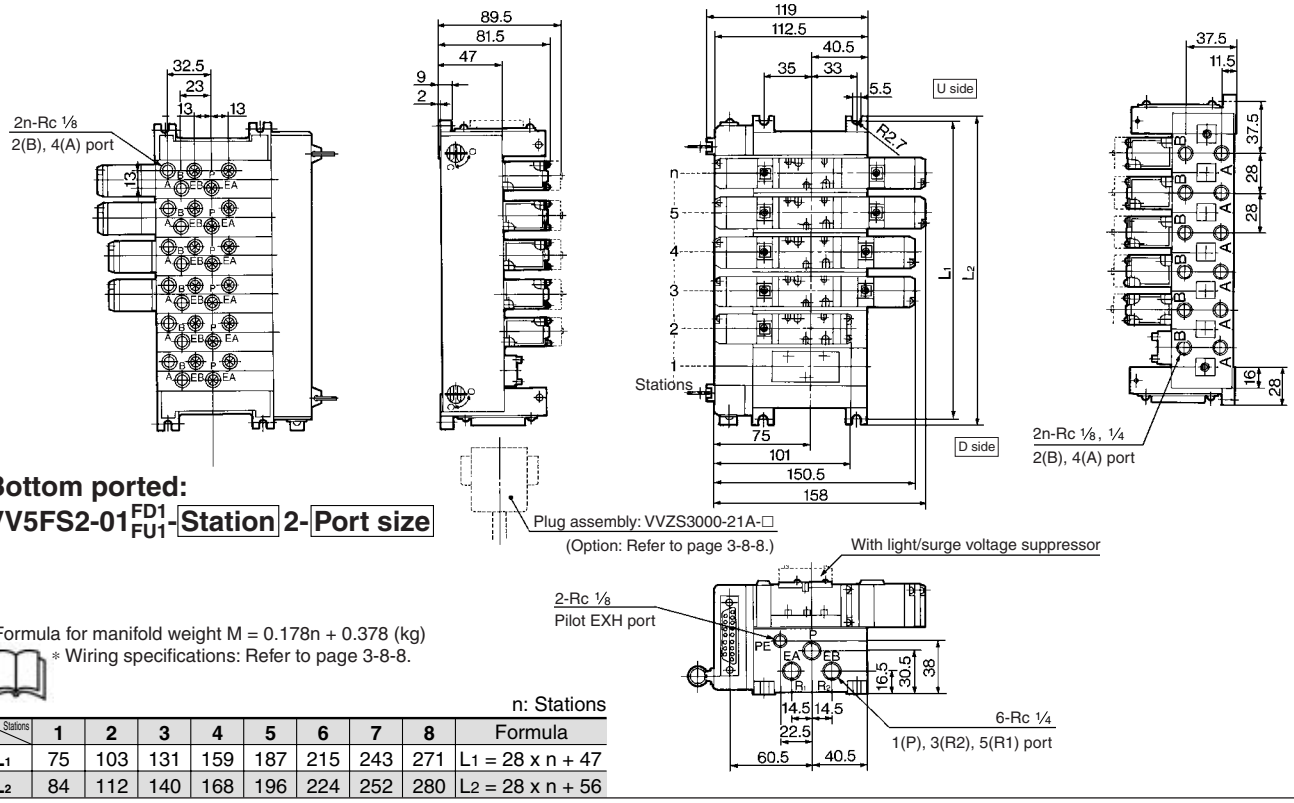
Plug-in with multi-connector: VV5FS2-01CD1-Station 1-Port size, VV5FS2-01CU1-Station 1-Port size



Bottom ported:
VV5FS2-01$^{CD1}_{CU1}$-Station 2-Port size

Formula for manifold weight M = 0.211n + 0.442 (kg) n: Station
∗ Wiring specifications: Refer to page 3-8-8.

Plug-in type with D-sub connector: VV5FS2-01FD1-Station 1-Port size, VV5FS2-01FU1-Station 1-Port size



Bottom ported:
VV5FS2-01$^{FD1}_{FU1}$-Station 2-Port size

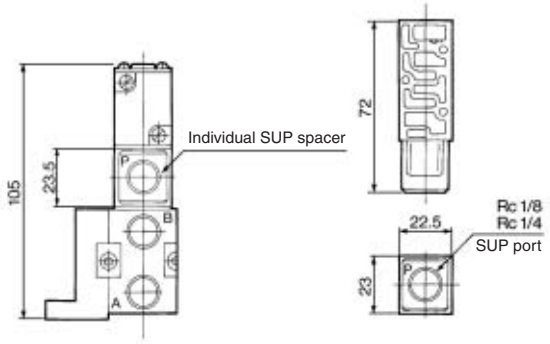
Formula for manifold weight M = 0.178n + 0.378 (kg)
∗ Wiring specifications: Refer to page 3-8-8.

n: Stations

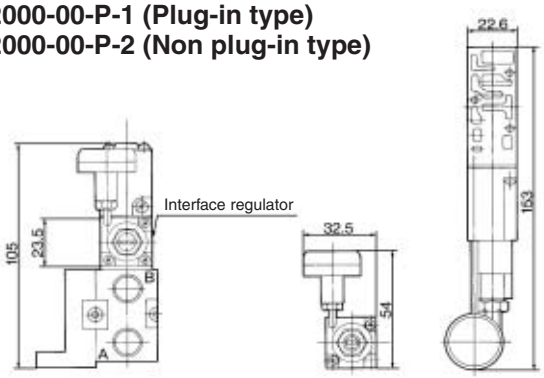
L \ Stations	1	2	3	4	5	6	7	8	Formula
L_1	75	103	131	159	187	215	243	271	$L_1 = 28 \times n + 47$
L_2	84	112	140	168	196	224	252	280	$L_2 = 28 \times n + 56$

Manifold Option Parts Plug-in type, Non plug-in type

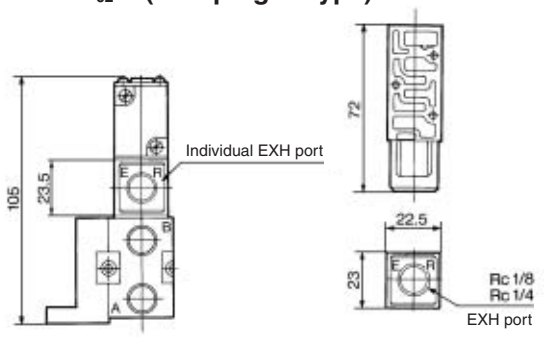
Individual SUP spacer:
VVFS2000-P-$^{01}_{02}$-1 (Plug-in type)
VVFS2000-P-$^{01}_{02}$-2 (Non plug-in type)



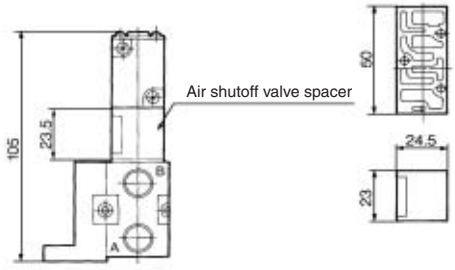
Interface regulator:
ARBF2000-00-P-1 (Plug-in type)
ARBF2000-00-P-2 (Non plug-in type)



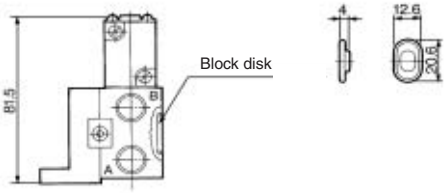
Individual EXH spacer:
VVFS2000-R-$^{01}_{02}$-1 (Plug-in type)
VVFS2000-R-$^{01}_{02}$-2 (Non plug-in type)



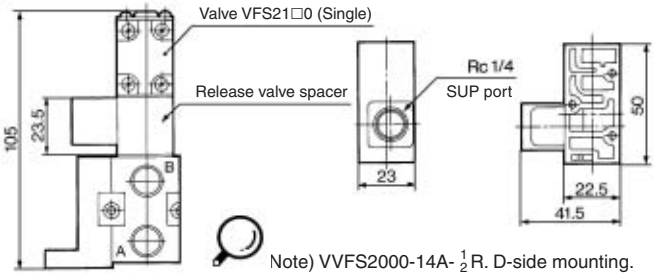
Air shutoff valve spacer:
VVFS2000-21A-1 (Plug-in type)
VVFS2000-21A-2 (Non plug-in type)



SUP block disk: AXT625-12A
EXH block disk: AXT625-12A

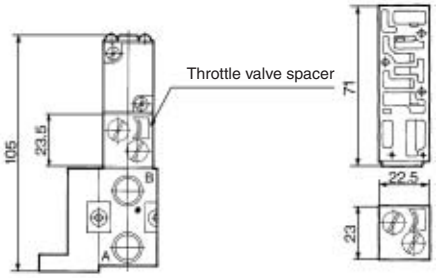


Release valve spacer:
VVFS2000-24A-1$^{R}_{L}$ (Plug-in type)
VVFS2000-24A-2$^{R}_{L}$ (Non plug-in type)

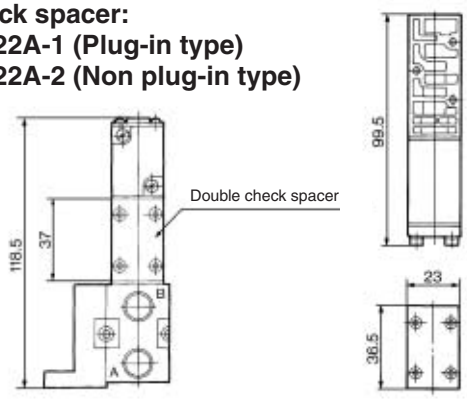


Note) VVFS2000-14A- $\frac{1}{2}$R. D-side mounting.

Throttle valve spacer:
VVFS2000-20A-1 (Plug-in type)
VVFS2000-20A-2 (Non plug-in type)



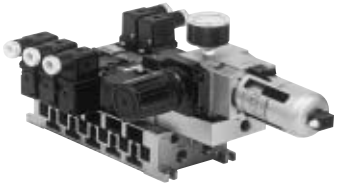
Double check spacer:
VVFS2000-22A-1 (Plug-in type)
VVFS2000-22A-2 (Non plug-in type)



Manifold with Control Unit

- **Control unit (Filter, Regulator, Pressure switch, Air release valve) are all standardized to the one unit, and can be mounted on the manifold base without any attachments.**
- **Piping processes are eliminated.**

Plug-in type



Non plug-in type

⚠Caution

When using an air filter with auto-drain or manual drain, mount the filter vertically.

Manifold Specifications

Manifold	Plug-in type: VV5FS2-01□	Non plug-in type: VV5FS2-10
Wiring	Plug-in with attachment plug lead wire With terminal block With multi-connector With D-sub connector	Grommet Grommet terminal Conduit terminal DIN terminal
Applicable valve model	VFS2□00-□F	VFS2□10-□G, VFS2□10-□E VFS2□10-□T, VFS2□10-□D
Porting specifications Rc	Common SUP, Common EXH	
	2(B), 4(A) port: Side: Rc 1/8, 1/4, Bottom: Rc 1/8 (Option)	
	1 (P), 3(R2), 5(R1) port: Side: Rc 1/4, 1/8, Bottom: Rc 1/8 (Option)	
Stations	2 to 15 stations*	

* With multi-connector, or D-sub connector: 8 stations max.

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 (1)	
Set pressure range: OFF	0.1 to 0.6 MPa
Differential	0.08 MPa or less
Contact	1a
Indicator light	LED (RED)
Max. switch capacity	2 VA AC, 2 W DC
Max. operating current	24 VAC/DC or less: 50 mA 100 VAC/DC: 20 mA
Air release valve (Single only)	
Operating pressure range	0.1 to 1.0 MPa

Control Unit/Option

Air release valve spacer (2)	<Plug-in type> VVFS2000-24A-1R (D side mounting) VVFS2000-24A-1L (U side mounting)	
	<Non plug-in type> VVFS2000-24A-2R (D side mounting) VVFS2000-24A-2L (U side mounting)	
Pressure switch (3)	IS1000P-2-1	
Blanking plate	With control unit/Filter regulator	MP2-2
	Pressure switch	MP3-2
	Release valve	AXT625-18A
Filter element	111511-5B	

Note 1) Voltage: 24 VDC to 100 VAC
Inner voltage drop: 4 V
Note 2) Refer to manifold option parts on page 3-8-42.
Note 3) The non plug-in type cannot be mounted afterwards.

How to Order

Note) The manifold of plug-in type with attachment plug lead wire is applied to individual type only. Non plug-in type has no junction

VV5FS2 – 10 □ □ – 08 1 – 01 □ – AP □

Series VFS2000 Manifold

Base type/Electrical entry

01	Plug-in type with attachment plug lead wire
01T	Plug-in type with terminal block
01C	Plug-in type with multi-connector
01F	Plug-in type with D-sub connector
10	Non plug-in type

Connector mounting direction

Symbol	With connector	Applicable base
Nil	None	01, 01T, 10
D	D side mounting	01C, 01F
U	U side mounting	

Junction cover

Nil	Stacking type
1	Integrated type

Note) Stacking type:
Base type 01, 01T
Integrated type:
Base type 01T, 01C, 01F

Stations

02	2 stations
⋮	⋮
15*	15 stations

* Base type
01, 01T, 10: — 2 to 15 stations
01C, 01F: — 2 to 8 stations

Symbol

Symbol	Passage P	Passage EA, EB	Porting specifications B, A
1	Common	Common	Side
2*			Bottom
3*	Common	Individual	Side
4*			Bottom
5*	Individual	Common	Side
6*			Bottom
7*	Individual	Individual	Side
8*			Bottom

* Option
The individual specification of the P port in the composition symbol marks 3 to 8 or EA, EB ports should be taken as individual port using a block plate. Therefore, if an individual port is taken using a single SUP spacer of option or a single EXH spacer, the composition symbol mark is "1".

Thread type

Nil	Rc
N*	NPT
T*	NPTF
F*	G

* Option

Port size

Symbol	P, EA, EB	B, A
01	Rc 1/4	Rc 1/8
02		Rc 1/4
M		Mixed

Air release valve coil rating

Nil	None (F, G type only)
1	100 VAC, 50/60 Hz
5	24 VDC
9	Other

Control unit type

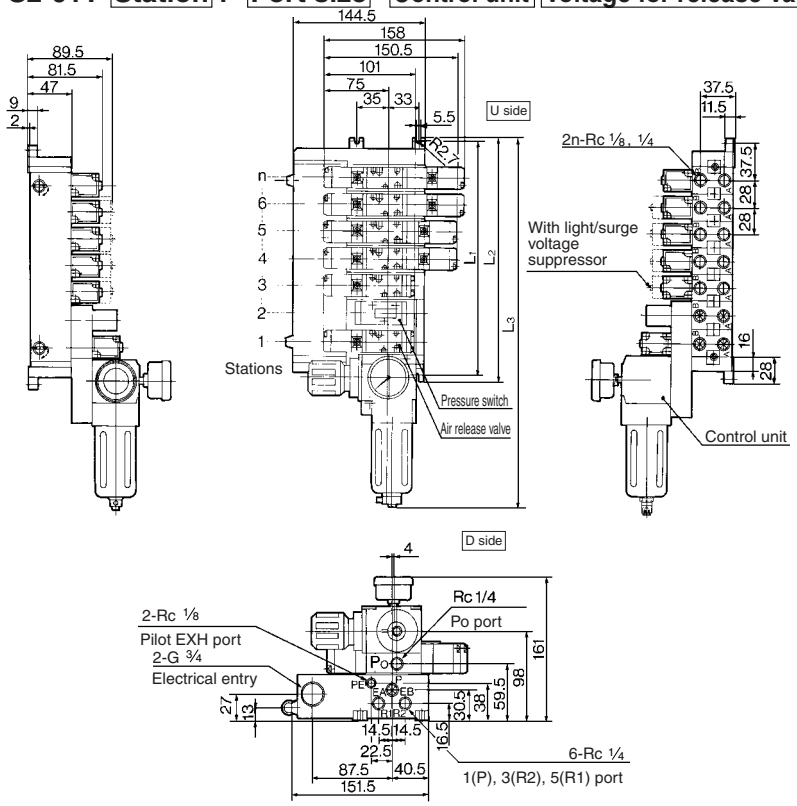
Control equipment \ Symbol	Nil	A	AP	M	MP	F	G	C	E
Air filter with auto-drain		●	●			●			
Air filter with manual drain				●	●		●		
Regulator		●	●	●	●	●	●		
Air release valve		●	●	●	●			●	●
Pressure switch			●		●				
Blanking plate (Air release valve)						●	●		
Blanking plate (Filter, Regulator)						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

Please indicate manifold base type, corresponding valve, and option parts.

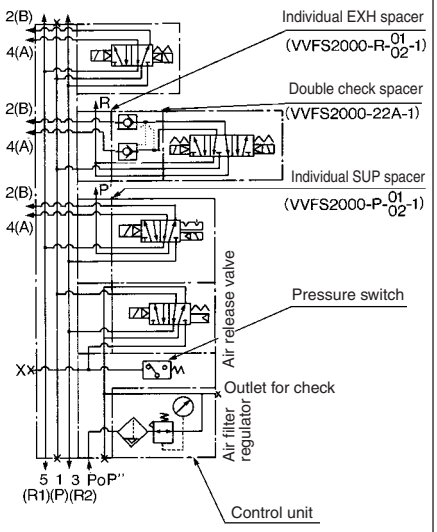
<Example>
- Plug-in type with terminal block
  (Manifold base) VV5FS2-01T1-091-02-MP5 ···· 1
  (2 position single) VFS2100-5FZ ····· 5
  (2 position double) VFS2200-5FZ ····· 2
  * 2 stations are needed to mount control unit.
- Non plug-in type
  (Manifold base) VV5FS2-10-071-01-M····· 1
  (2 position single) VFS2110-5D ····· 5
  * 2 stations are needed to mount control unit.

Manifold with Control Unit Plug-in type, Non plug-in type

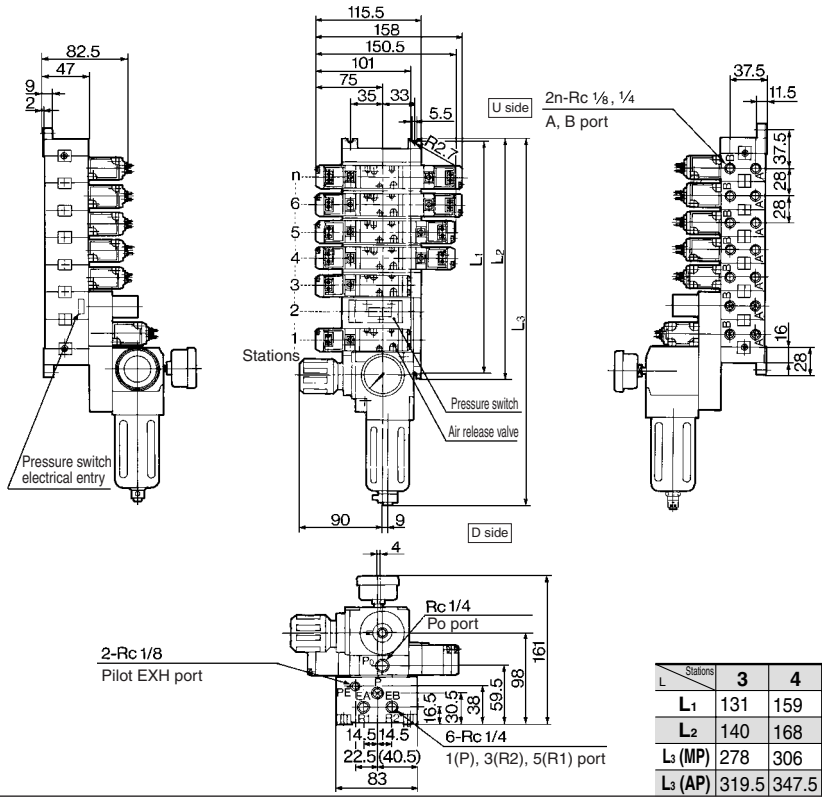
Plug-in type:
VV5FS2-01T- Station 1- Port size - Control unit Voltage for release valve



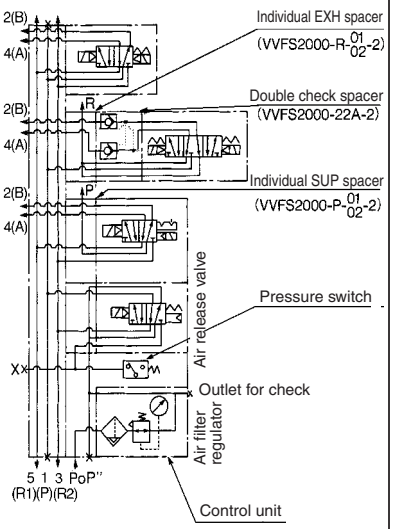
Example for manifold



Non plug-in type:
VV5FS2-10- Station 1- Port size - Control unit Voltage for release valve



Example for manifold



n: Stations

L / Stations	3	4	5	6	7	8	9	10	Formula
L1	131	159	187	215	243	271	299	327	L1 = 28 x n + 47
L2	140	168	196	224	252	280	308	336	L2 = 28 x n + 56
L3 (MP)	278	306	334	362	390	418	446	474	L3 = 28 x n + 194
L3 (AP)	319.5	347.5	375.5	403.5	431.5	459.5	487.5	515.5	L3 = 28 x n + 235.5

Dripproof Manifold (Equivalent to IP65)

Manifold Specifications

Manifold	VV5FS2-01WTB$^{U}_{D}$		VV5FS2-01W
Wiring	Common terminal box		Attachment plug lead wire
Applicable value model	VFS2□00-□F-X54		
Porting specifications Rc	Common SUP, Common EXH		
	2(B), 4(A) port	Side: Rc 1/8, 1/4, Bottom: Rc 1/8 (Option)	
	1(P), 3(R2), 5(R1) port	Side: Rc 1/4	
Stations	2 to 10 stations		2 to 15 stations

How to Order

How to order manifold

VV5FS2 – 01WTBU – 08 – 1 – 02

Plug-in dripproof manifold (Equivalent to IP65)

01WTBU	Common terminal box (U side mounting)
01WTBD	Common terminal box (D side mounting)
01W	Attachment plug lead wire

Stations

02	2 stations
⋮	⋮
15	15 stations

Port size

Symbol	P, R1, R2	A, B
01	Rc 1/4	Rc 1/8
02		Rc 1/4
M		Mixed

∗ For bottom ported, A/B port is available only with Rc 1/8.

Symbol

Symbol	Passage	Porting specifications
	P, R1, R2	A, B
1	Common	Side
2∗		Bottom

∗ Option

How to order valves

VFS2 – 1 – 00 – □ – 5 – F – □ – □ – X54

Dripproof

Symbol

1	2 position single
2	2 position double
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center
6	3 position double check

Pilot valve manual override

Nil	Non-locking push type (Flush)
A∗	Non-locking push type (Extended)
B∗	Locking type (Tool required)
C∗	Locking type (Lever)

∗ Option

Pilot type

Nil	Internal pilot
R∗	External pilot

∗ Option

Option

Nil	None
Z	With light/surge voltage suppressor

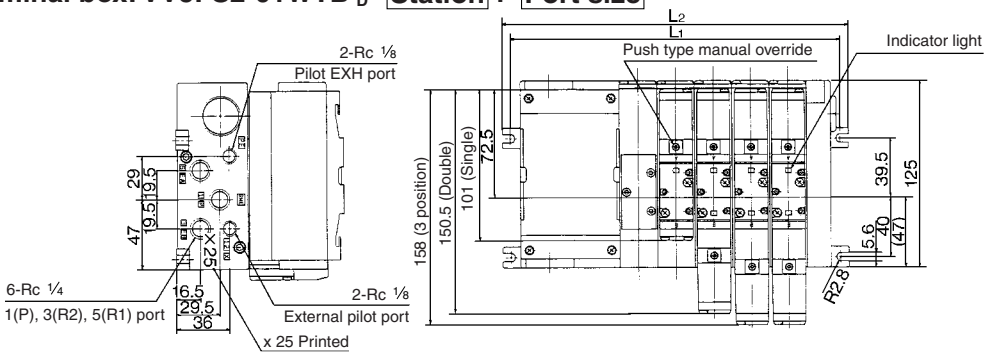
Coil rated voltage

1	100 VAC, 50/60 Hz
2	200 VAC, 50/60 Hz
3∗	110 to 120 VAC, 50/60 Hz
4∗	220 VAC, 50/60 Hz
5	24 VDC
6∗	12 VDC
7∗	240 VAC, 50/60 Hz
9∗	Other

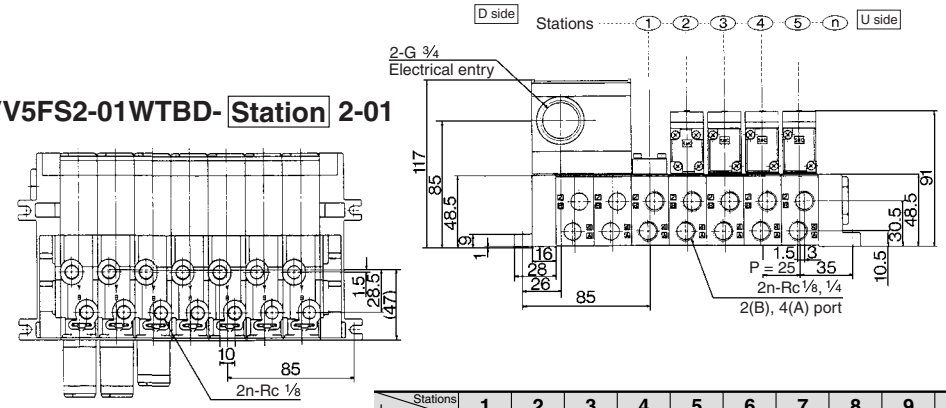
∗ Option

Dripproof Manifold

With common terminal box: VV5FS2-01WTB $^{U}_{D}$- Station 1- Port size



Bottom ported: VV5FS2-01WTBD- Station 2-01

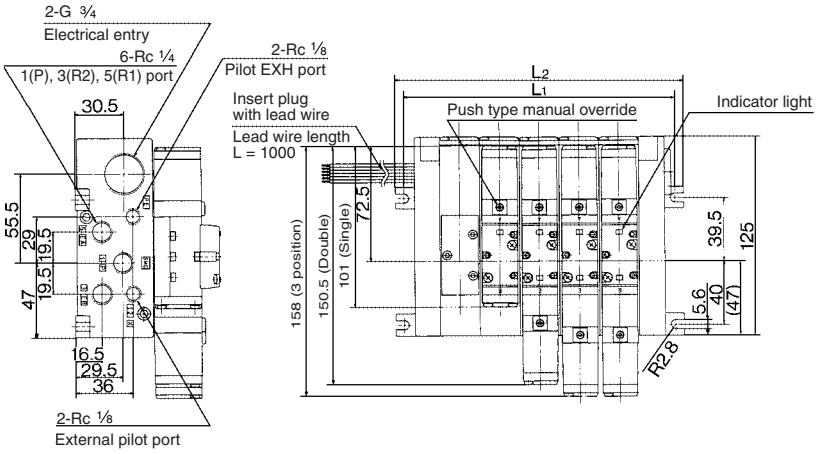


n: Stations

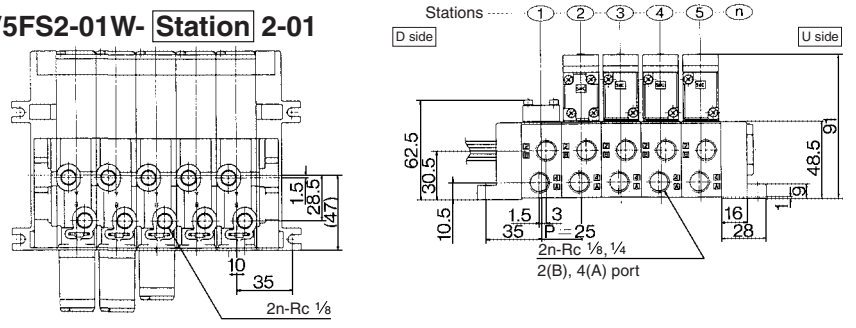
L \ Stations	1	2	3	4	5	6	7	8	9	10	Formula
L_1	120	145	170	195	220	245	270	295	320	345	$L_1 = 25 \times n + 95$
L_2	131	156	181	206	231	256	281	306	331	356	$L_2 = 25 \times n + 106$

* Terminal mounting stations are not included. Indicates Solenoid valve mounting stations.

With attachment plug lead wire: VV5FS2-01W- Station 1- Port size



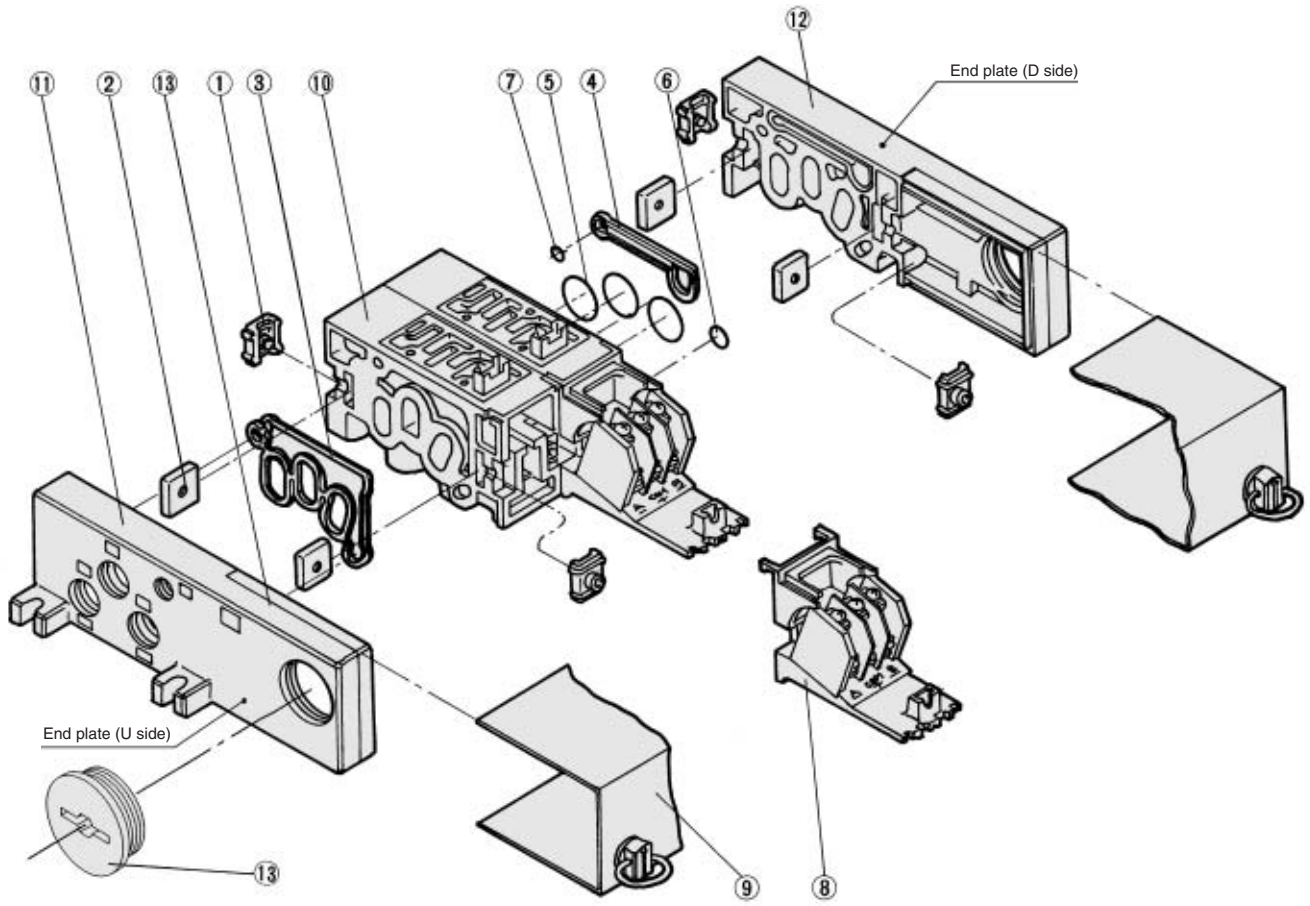
Bottom ported: VV5FS2-01W- Station 2-01



n: Stations

L \ Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Formula
L_1	70	95	120	145	170	195	220	245	270	295	320	345	370	395	420	$L_1 = 25n + 45$
L_2	81	106	131	156	181	206	231	256	281	306	331	356	381	406	431	$L_2 = 25n + 56$

Manifold Base Construction Plug-in type, Non plug-in type



Replacement Parts

No.	Description	Material		Part no.
①	Connection fitting A	Steel plate		AXT625-4-1
②	Connection fitting B	Steel plate		AXT625-5
③	Gasket A	NBR		AXT625-17
④	Gasket B	NBR		AXT625-16
⑤	O-ring	NBR		18 x 15 x 1.5
⑥	O-ring	NBR		10.5 x 7.5 x 1.5
⑦	O-ring	NBR		8 x 5 x 1.5
⑧	Adapter plate	Resin	For 01	AXT625-6
	Adapter plate assembly	—	For 01T	AXT625-28-1A (Terminal section with adapter plate)
			For 01T1	
	Adapter plate	Resin	For 01C	AXT625-28-1
			For 01F	VVF2000-26-6
			For 01SU	AXT625-6

No.	Description	Material		Part no.
⑨	Junction cover assembly	—	For 01	AXT625-7A
			For 01T	AXT625-28-3A
			For 01T1	AXT625-28-7A- Stations
			For 01C	
			For 01F	VVF2000-26-5A- Stations
			For 01SU	AZ738-10A- Stations
⑬	Rubber plug	NBR	For 01	AXT333-12
			For 01T, 01SU	AXT625-22
	Plug	—	For 01 W	EXP22S

- For increasing the manifold bases, please order the manifold block assembly number of the principle number assembly ⑩.
  For plug-in type: The manifold base with terminal stand (integrated with a junction cover) is required with the ⑨ junction cover assembly.

Note) Manifold Base/Construction: Plug-in type with terminal block.

Replacement Parts: Sub Assembly

No.	Description	Assembly part no.	Component parts	Applicable manifold base
⑩	Manifold block assembly	AXT625-01A-$\frac{1}{2}$ Note)	Manifold block ⑩, Metal joint ①, ②. O-ring ⑤, ⑥, ⑦ Junction cover, Adapter plate, Pin housing, Guide, Insert plug lead wire	Plug-in type With attachment plug lead wire
		AXT625-20A-$\frac{1}{2}$ Note)	Manifold block ⑩, Metal joint ①, ②, O-ring ⑤, ⑥, ⑦ Terminal ⑧, Junction cover ⑨, Adaptor plate, Pin housing, Guide	Plug-in type With terminal block
		AXT625-10A-$\frac{1}{2}$ Note)	Manifold block ⑩, Metal joint ①, ②, O-ring ⑤, ⑥, ⑦	Non plug-in type
⑪	End plate (U side) assembly	AXT625-2A	End plate (U) ⑪, Metal joint ①, ②, Gasket A ③, Guard ⑬	Plug-in type With attachment plug lead wire
		AXT625-2A-20	End plate (U) ⑪, Metal joint ①, ②, Gasket A ③, Guard ⑬	Plug-in type With terminal block
		AXT625-2A-10	End plate (U) ⑪, Metal joint ①, ②, Gasket A ③, Guard ⑬	Non plug-in type
⑫	End plate (D side) assembly	AXT625-3A	End plate (D) ⑫, Metal joint ①, ②, Gasket B ④, Guard ⑬, Steel ball	Plug-in type With attachment plug lead wire
		AXT625-3A-20	End plate (D) ⑫, Metal joint ①, ②, Gasket B ④, Guard ⑬, Steel ball	Plug-in type With terminal block
		AXT625-3A-10	End plate (D) ⑫, Metal joint ①, ②, Gasket B ④, Guard ⑬, Steel ball	Non plug-in type

Note) A, B ports: 1/8, 1/4