Series VFS3000 **Manifold Specifications Stacking Type**

Keeps environmental air clean from pilot exhaust

Use of the VV5FS3-31 manifold can exhaust intensively the pilot exhaust gas to the base side, and can prevent environmental aggravation due to noise and oil mist.



Part no. for mounting bolt and gasket BG-VFS3030

Specifications

Manifold base type	Stacking type
Stations	Max. 15 stations

Port Specifications

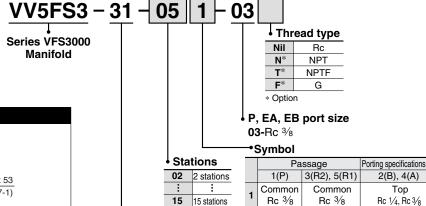
	Passage		Porting specifications: Rc		
Symbol	ras	saye	Base	Valve	Base
, , , ,	1(P)	3(R2), 5(R1)	1(P)	2(B), 4(A)	3(R2), 5(R1)
1	Common	Common	Side: 3/8	Top: 1/4, 3/8	Side: 3/8

Option

Blanking plate	VVFS3000-10A-1	With gasket, screw
SUP block disk	AXT636-10A	_
EXH block disk	AXT636-11A	_

Note) Individual SUP or EXH is possible with bottom porting of SUP or EXH. For your order, please indicate it in the manifold specification sheet.

How to Order Manifold Base



• base	modei	
Model	Pilot exhaust	Applicable valve model
31	Pilot common EXH Type 20 Type 30	VFS3□20-□□- ²² VFS3□30-□□- ²²

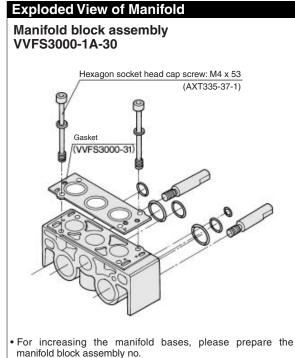
Note) Also VFS3□20 is possible to manifold. In this case, it uses an individual pilot exhaust.

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

<Example>

(Manifold base)	VV5FS3-31-061-03 ······ 1
(2 position single)	VFS3130-1D-02······ 3
(2 position double)	VFS3230-1D-02 2
(Blanking plate)	VVFS3000-10A-1 · · · · · · · · · 1



٧K

٧Z

VFR

VP4

VZS

VFS

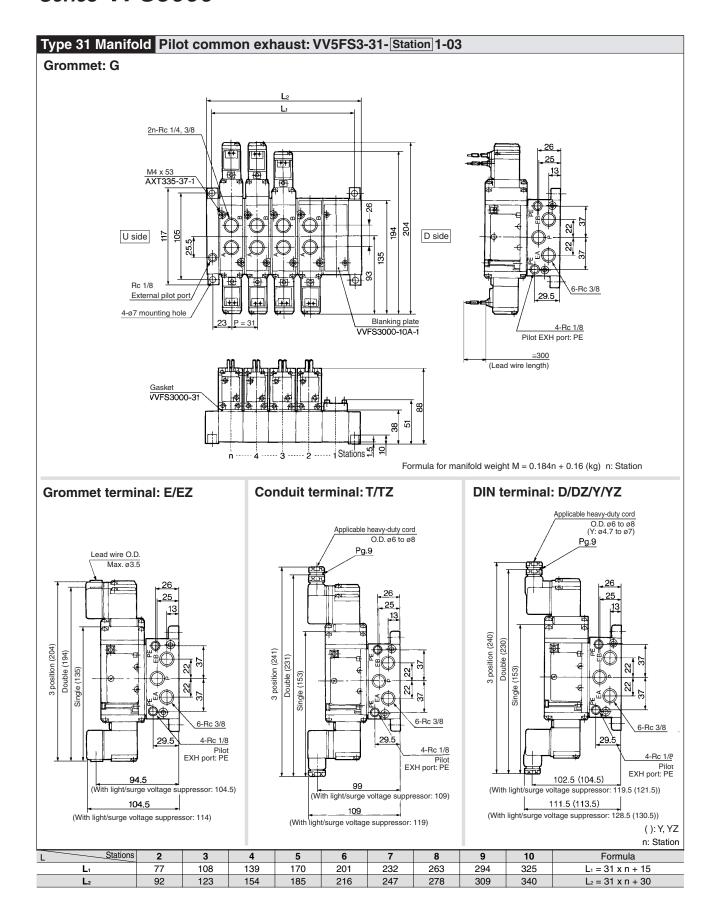
VS4

VQ7

EVS

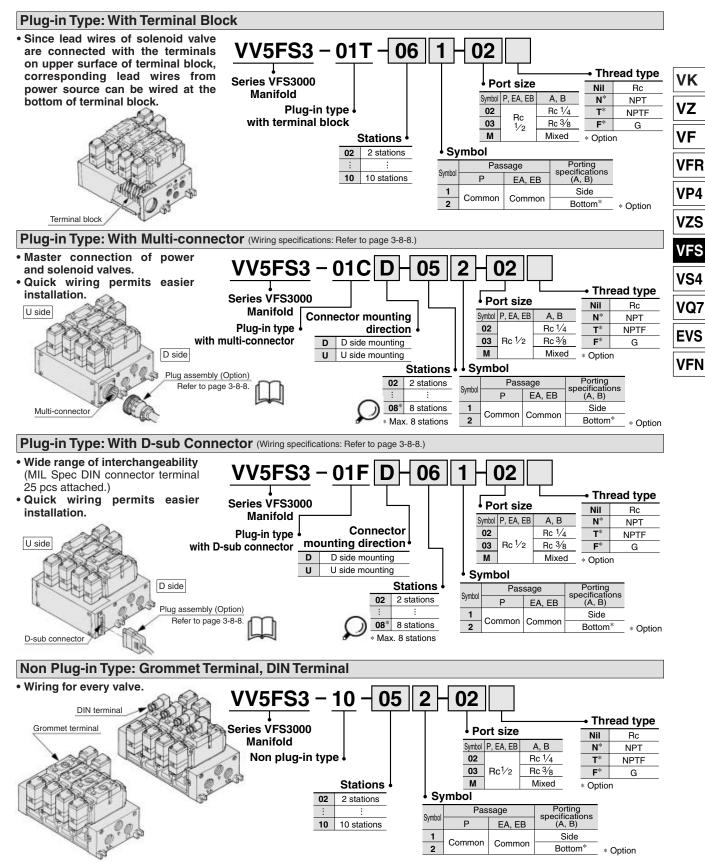
VFN

Series VFS3000



Series VFS3000

Manifold Specifications



How to Order Manifold Assembly

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

- <Example:
- Plug-in type with terminal block: 6 stations (Manifold base) VV5FS3-01T-061-02 ····· 1 (2 position single) VFS3100-5FZ ······· 3 (2 position double) VFS3200-5FZ ····· 2 (Blanking plate) VVFS3000-10A ····· 1 <Example>
- Example>
 Non plug-in type: 6 stations
 (Manifold base) VV5FS3-10-061-03 ········ 1
 (2 position single) VFS3110-5D ······· 5
 (3 position exhaust center) VFS3410-5D ····· 1
 (Individual EXH spacer) VVFS3000-R-03-2 ··· 1

Manifold Specifications

Base model	Wiring	Porting specifications A, B port	Port siz P, EA, EB		Stations	Applicable valve model
Plug-in type VV5FS3-01□	With terminal blockWith multi-connectorWith D-sub connector	Side/ Bottom	1/2	(1) 1/4, 3/8	2 to 10	VFS3□00-□F
Non plug-in type VV5FS3-10	DIN terminal Grommet terminal		, -			VFS3□10-□D VFS3□10-□E

D

Note 1) Appropriate silencer for EA, EB port: "AN403-04" (O.D. ø27). Note 2) With multi-connector, or with D-sub connector: 8 stations max.

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

Model	Passage	/Stations	Station 1	Station 5	Station 10
	$\begin{array}{c c} 1 \rightarrow 4/2 \\ (P \rightarrow A/B) & b \\ \hline CV \end{array}$	C [dm³/(s·bar)]	6.0	6.0	6.0
		b	0.20	0.20	0.20
\/\/EE92		Cv	1.4	1.4	1.4
V V 31 33		C [dm³/(s·bar)]	7.0	7.0	7.0
		b	0.20	0.20	0.20
	$(A/D \rightarrow H1/H2)$	Cv	1.8	1.8	1.8

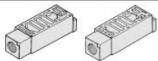
^{*} Port size: Rc 3/8

Manifold Option Parts Assembly

Individual SUP spacer

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

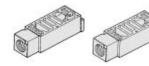
Body type	Plug-in type	Non plug-in type
Part no.	VVFS3000-P-03-1	VVFS3000-P-03-2



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.	VVFS3000-R-03-1	VVFS3000-R-03-2



* 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.	AXT6	36-1A

* 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 between stations to separate valve exhaust.

Body type	Plug-in type	Non plug-in type
Part no.	AXT6	36-1A



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.	VVFS3000-20A-1	VVFS3000-20A-2



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.	VVFS3000-22A-1	VVFS3000-22A-2

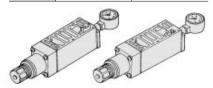




Interface regulator

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

Body type	Plug-in type	Non plug-in type
P port regulation	ARBF3050-00-P-1	ARBF3050-00-P-2
A port regulation	ARBF3050-00-A-1	ARBF3050-00-A-2
B port regulation	ARBF3050-00-B-1	ARBF3050-00-B-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.

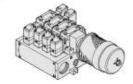
Body type	Plug-in type	Non plug-in type
Part no.	VVFS3000-10A	

Manifold Option

With exhaust cleaner

Plug-in type/Non Plug-in type

- Valve exhaust noise dampening: 35 dB or more.
- Oil mist collection: Rate of collection 99.9% or more.
- · Piping process reduced.



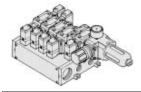


For details, refer to page 3-8-63.

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.



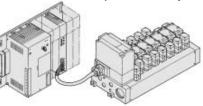


For details, refer to page 3-8-65.

With serial interface unit for serial transmission

Plug-in type

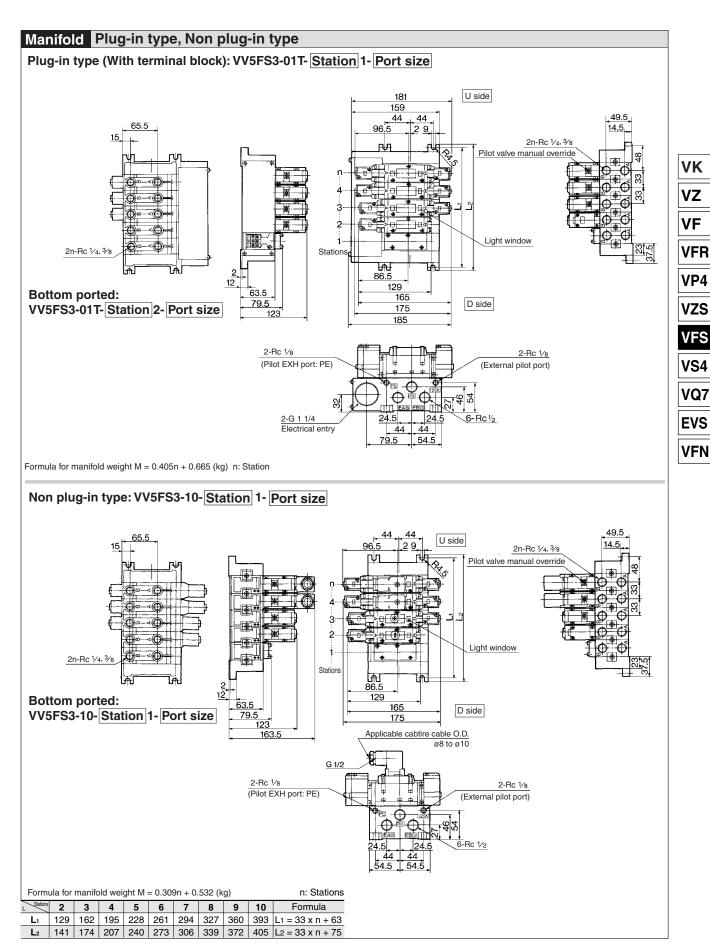
- Solenoid valve wiring process reduced considerably.
- Disperse installation possible.
 Manifold solenoid valve: 8 stations max.
 32 positions (512 solenoids).
- · Maintenance and inspection are easy.



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



5 Port Pilot Operated Solenoid Valve Metal Seal, Plug-in/Non Plug-in Series VFS3000



Series VFS3000

