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5 Port Pilot Operated Solenoid Valve Rubber Seal, Plug-in/Non Plug-in Series VFR3000





Non plug-in type

JIS Symbol 2 position 3 position Single Closed center (A)(B) 4 2 (A)(B) 4 2 (EAVP)(EB) (EA)PYER Double Exhaust center (A)(B) (A)(B) 4 2 72 (EA)(P)(EE) (EAVIPIER Pressure center (A)(B) ZB (EA)(P))

| Stand | dard Specifi | cations | | | | VK |
|--|----------------------------|-------------------------------|------------------|---|--------------------------------|-----|
| | Fluid | | | | Air | |
| SU | Operating | 2 position si | ingle/3 position | 0. | VZ | |
| Valve specifications | pressure range | 2 positi | on double | 0. | 1 to 0.9 MPa | V 2 |
| fice | Ambient and flui | Ambient and fluid temperature | | | eezing. Refer to page 3-13-4.) | VF |
| eci | Lubrication | | | | Non-lube (1) | VF |
| ds a | Manual override | | | Non-I | ocking push type | VFR |
| Mounting orientation | | | | Unrestricted | | |
| Š | Shock/Vibration resistance | | | 3 | | |
| | Enclosure | | | | VP4 | |
| SU | Coil rated voltag | je | | 100, 200 V/ | | |
| atio | Allowable voltag | e fluctuation | า | -15 to - | VZS | |
| ific | Apparent power | | Inrush | 5.6 VA/5 | 50 Hz, 5.0 VA/60 Hz | VZ3 |
|) ec | Apparent power | | Holding | 3.4 VA (2.1 W)/5 | 50 Hz, 2.3 VA (1.5 W)/60 Hz | VEO |
| ∧ st | Power consump | tion (DC) ⁽³⁾ | | | 1.8 W | VFS |
| icit | | | | Plug-in type | Conduit terminal | |
| Coil rated voltage Allowable voltage fluctuation Apparent power (AC) ⁽³⁾ Power consumption (DC) ⁽³⁾ Electrical entry | | | Non plug-in type | Grommet, Grommet terminal Conduit terminal, DIN terminal | VS4 | |
| | Note 1) Use turbine | | · // | | te 3) At rated voltage | VQ7 |

No malfunction occurred when it is tested with a drop tester in the axial direction and at the right angles to the main valve and armature in both energized and de-energized states every once for each condition. (Values at the initial period) Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000 Hz.

Test was performed at both energized and de-energized states in the axial direction and at the right angles to the main valve and armature. (Values at the initial period)

Option Specifications

| Pilot type | | External pilot Note) | | |
|--------------------|---------------|--|--|--|
| Manual | Main valve | Direct manual override | | |
| override | Pilot valve | Non-locking push type A (Extended), Locking type B (Tool required), Locking type C (Lever) | | |
| Coil rated voltage | | 110 to 120, 220, 240 VAC 50/60 Hz | | |
| Contated | voltage | 12, 100 VDC | | |
| Porting sp | ecifications | Bottom ported | | |
| Option | | With light/surge voltage suppressor | | |
| Note) | Operating pre | essure: 0 to 0.9 MPa | | |



Pilot pressure: 2 position single/3 position 0.2 to 0.9 MPa

2 position double 0.1 to 0.9 MPa

Model

| | | Мо | del | | | Flow characteristics ⁽¹⁾ | | | | | Max. (2) | (2) | |
|------------|----------------|---------|-------------|-----------|---------------|---|------------|---------------|---|------------|------------|-----------------|---------------|
| Type of | | | | | 1 – | $1 \rightarrow 4/2 \ (P \rightarrow A/B)$ | | | $4/2 \rightarrow 5/3 (A/B \rightarrow EA/EB)$ | | | (3) Response | (4) Weight |
| act | uation | Plug-in | Non plug-in | | С | h | Cv | С | b | Cv | cycle | cycle time | weight |
| | | | | | [dm³/(s·bar)] | b | 00 | [dm³/(s·bar)] | d | 00 | (Hz) | (ms) | (kg) |
| E | Cingle | | VFR311 | 1/4 | 7.5 | 0.38 | 1.9 | 7.5 | 0.34 | 1.9 | 5 | 30 or less | 0.61 (0.64) |
| 2 position | Single VFR310□ | VFR310 | VFR314 | 3⁄8 | 8.4 | 0.39 | 2.2 | 8.7 | 0.38 | 2.2 | 5 | SU OF less | <0.58> |
| Double | | VFR321 | 1/4 | 7.1 | 0.41 | 1.9 | 7.4 | 0.40 | 1.9 | 5 | 20 or loss | 0.71 (0.74) | |
| N | Double | VFR320□ | VFR324□ | 3⁄8 | 7.9 | 0.36 | 2.0 | 8.6 | 0.37 | 2.2 | 5 | 30 or less | <0.69> |
| | Closed | | VFR331 | 1/4 | 6.8 | 0.40 | 1.8 | 6.3 | 0.38 | 1.6 | 3 | EQ or loss | 0.72 (0.75) |
| ы | center | VFR330 | VFR334 | 3⁄8 | 7.2 | 0.39 | 1.9 | 6.5 | 0.40 | 1.7 | 3 | 50 of less | <0.75) |
| position | Exhaust | | VFR341 | 1/4 | 6.5 | 0.42 | 1.7 | 7.9 [3.4] | 0.41 [0.47] | 2.0 [0.96] | | 50 av lass | 0.72 (0.75) |
| | VFR340□ | VFR344 | 3⁄8 | 6.9 | 0.42 | 1.8 | 9.5 [3.4] | 0.39 [0.46] | 2.4 [0.96] | 3 | 50 or less | <0.75) | |
| c | ຕ Pressure | | VFR351 | 1⁄4 | 7.6 [2.4] | 0.33 [0.48] | 1.9 [0.69] | 6.1 | 0.36 | 1.5 | | 50 | 0.72 (0.75) |
| center | VFR350□ | VFR354□ | 3/8 | 9.3 [2.4] | 0.34 [0.47] | 2.2 [0.69] | 6.5 | 0.41 | 1.7 | 3 | 50 or less | <0.75) | |

Note 1) []: Denotes the normal position.

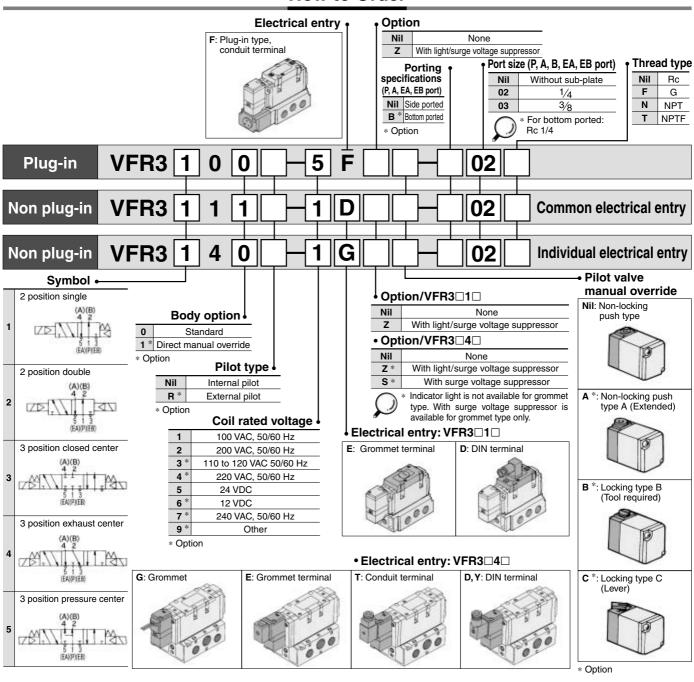
Note 2) Min. operating frequency is once in 30 days. (As per JIS B 8375)

Note 3) Based on dynamic performance test, JIS B 8375-1981. (0.5 MPa, Coil temperature: 20°C, at rated voltage, without surge voltage suppressor) Note 4) For VFR3 00- FZ-⁰²/₀₃, (): VFR3 10- DZ - ⁰²/₀₃, < >: VFR3 40- G- ⁰²/₀₃



EVS

VFN



How to Order

How to Order Pilot Valve Assembly

| | ├ 7 (| ן דר נ | | | | | | | |
|--|--------------|----------------------------------|--------------------|-----------|--------------------|------------|-----------------------------------|------------|---------------------------|
| | Ele | ectrical entry, Lig | ht/Suro | e voltage | e suppressor | • Ma | nual override | Syı | mbol |
| Symbol Rated voltage | Symbol | Electrical entry | Indicator light | | <u> </u> | Nil | Non-locking push type | Symbol | Applicable valve model |
| 1 100 VAC, 50/60 Hz 2 200 VAC, 50/60 Hz | F * | Plug-in | _ | _ | VFR3⊡0⊡ VFR3⊡1⊡ | A * | Non-locking push type A | Nil | VFR3⊡0⊡ VFR3⊡1⊡ |
| 3* 110 to 120 VAC, 50/60 Hz 4* 220 VAC, 50/60 Hz | G GS | Grommet | | | | в* | (Extended) Locking type B | 1 | VFR3□4□ |
| 5 24 VDC 6* 12 VDC | E EZ | Grommet terminal | • | • | | | (Tool required) Locking type C | | |
| 7 * 240 VAC, 50/60 Hz 9 * Other | T TZ | Conduit terminal | • | | VFR3□4□ | * Opt | (Lever) | | |
| Option | D DZ | DIN terminal | | | | | | | |
| | Y YZ | DIN terminal (DIN43650B type) | • | | | ע ∗ "VFR3⊑ | 0⊡", "VFR3⊡1⊡": Pilot v | alve assem | bly is all plug-in (|



Use as a guide for selection. Please confirm the actual conditions with SMC

| Cylinder Sp | eed Cha | rt | | | | | | g Program | | conditions | with Owe |
|--------------|--|---|-------------------|--------------|--------------|--------------|--|-------------------|------|--|----------|
| System | Average speed (mm/s) | Series ME Pressure Load facto Stroke 50 ø40 | 0.5 MPa or 50% | ø63 | ø80 | Bore ø100 | e size Series CS Pressure Load facto Stroke 10 ø125 | 0.5 MPa or 50% | ø160 | ø180 | ø200 |
| A | 1000 900 800 700 600 500 400 300 200 100 0 | | | | | | | | | Perpendicu upward act Horizontal a | uation |
| В | 1000 900 800 700 600 500 400 300 200 100 0 | | | | | | | | | | |
| * It is when | n the cylinder | is extendin | a that is me | eter-out con | trolled by s | peed contr | oller which | | | | |

VF VFR VP4 VZS VFS VS4 VQ7 EVS VFN

VK

VZ

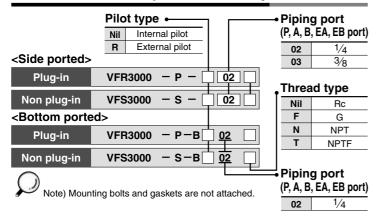
is directly connected with cylinder, and its needle valve with being fully open. * The average velocity of the cylinder is what the stroke is divided by the total stroke time.

* Load factor: ((Load weight x 9.8)/Theoretical force) x 100%

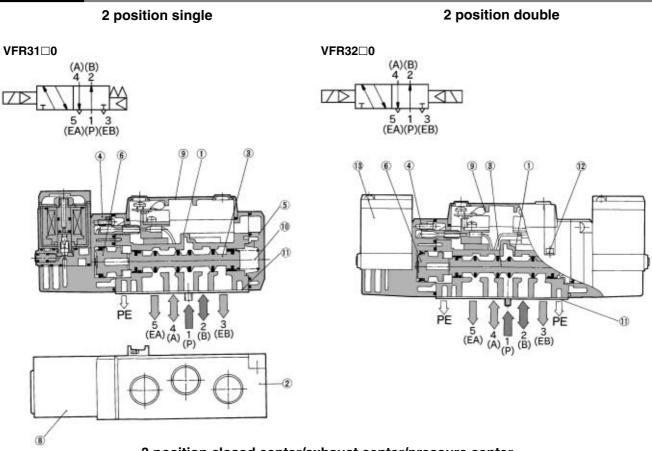
System Components

| System | Solenoid valve | Speed controller | Silencer | SPG (Steel pipe) dia. x Length |
|--------|--------------------------------------|--|---------------------------------------|--------------------------------|
| А | Series VFR3000 Rc ¹ /4 | AS4000-02 (S = 24 mm ²) | AN200-02 (S = 35 mm ²) | 6A x 1 m |
| В | Series VFR3000 Rc ³ ⁄8 | AS420-03 (S = 73 mm²) | AN300-03 (S = 60 mm ²) | 10A x 1 m |

How to Order Sub-plate Assembly

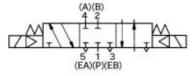


Construction

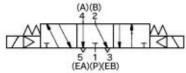


3 position closed center/exhaust center/pressure center

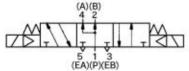
Closed center: VFR3300

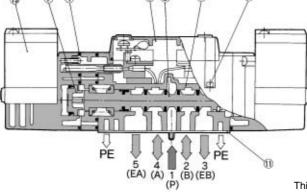


Exhaust center: VFR34 0



Pressure center: VFR35□0





(8

This figure shows a closed center type.

Component Parts

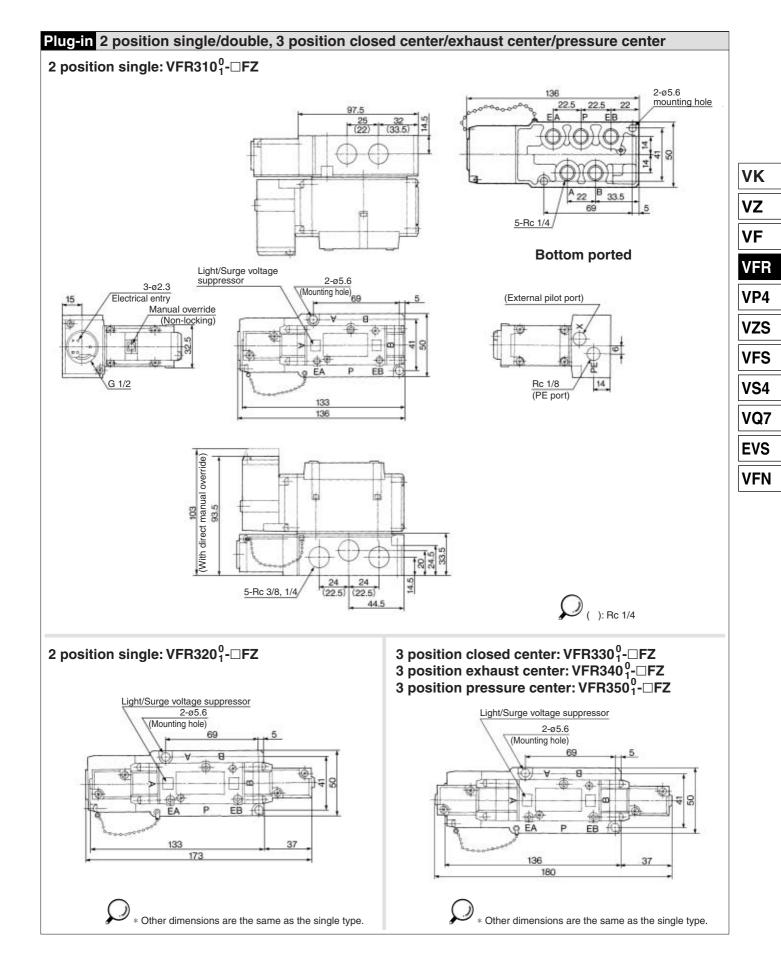
| No. | Description | Material | Note |
|-----|---------------|---------------------|-----------------|
| 1 | Body | Aluminum die-casted | Platinum silver |
| 2 | Sub-plate | Aluminum die-casted | Platinum silver |
| 3 | Spool valve | Aluminum, NBR | |
| 4 | Adapter plate | Resin | Black |
| 5 | End plate | Resin | Black |

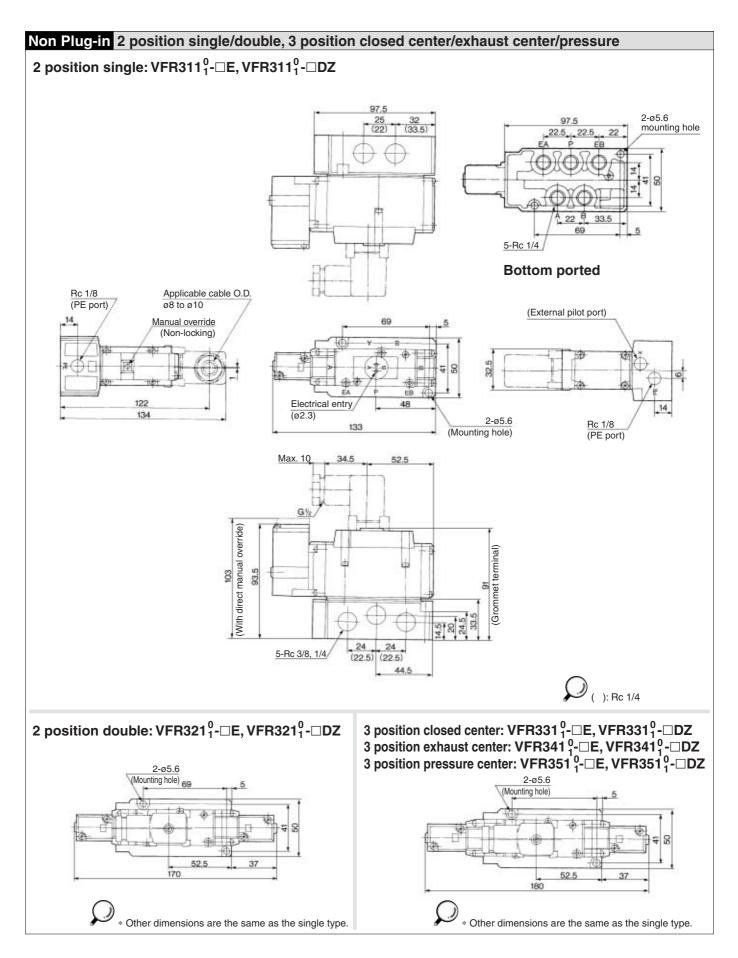
| No. | Description | Material | Note |
|--------------------------|----------------|-----------------|------|
| 6 | Piston | Resin | |
| $\overline{\mathcal{O}}$ | Piston | Resin | |
| (8) | Junction cover | Resin | |
| 9 | Light cover | Resin | |
| 10 | Return spring | Stainless steel | |

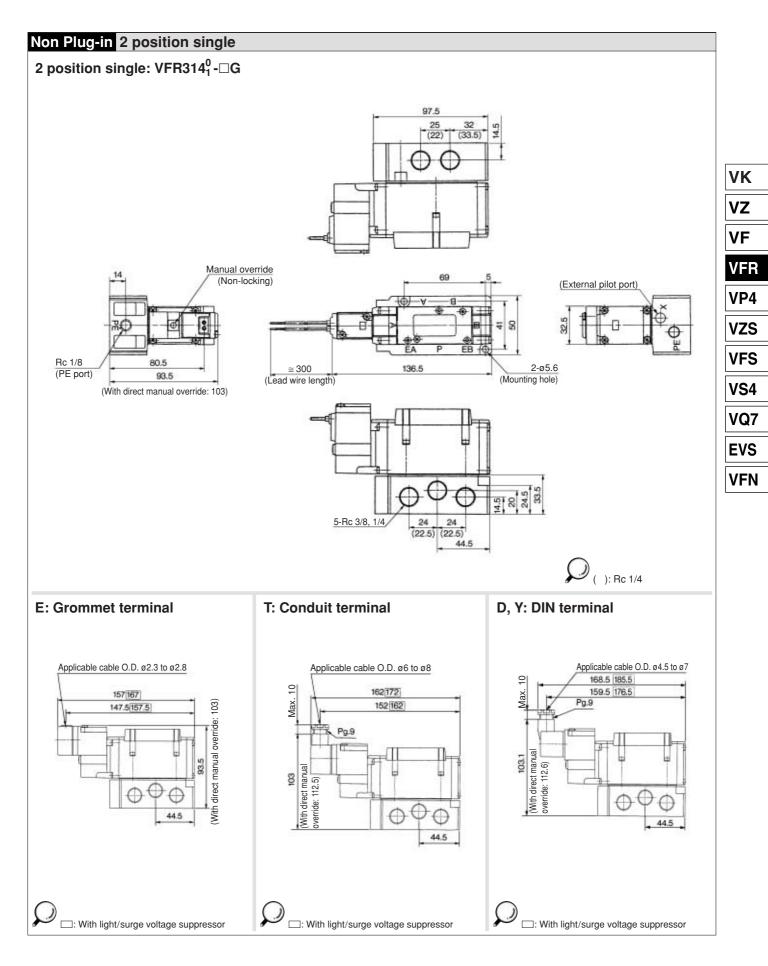
Replacement Parts

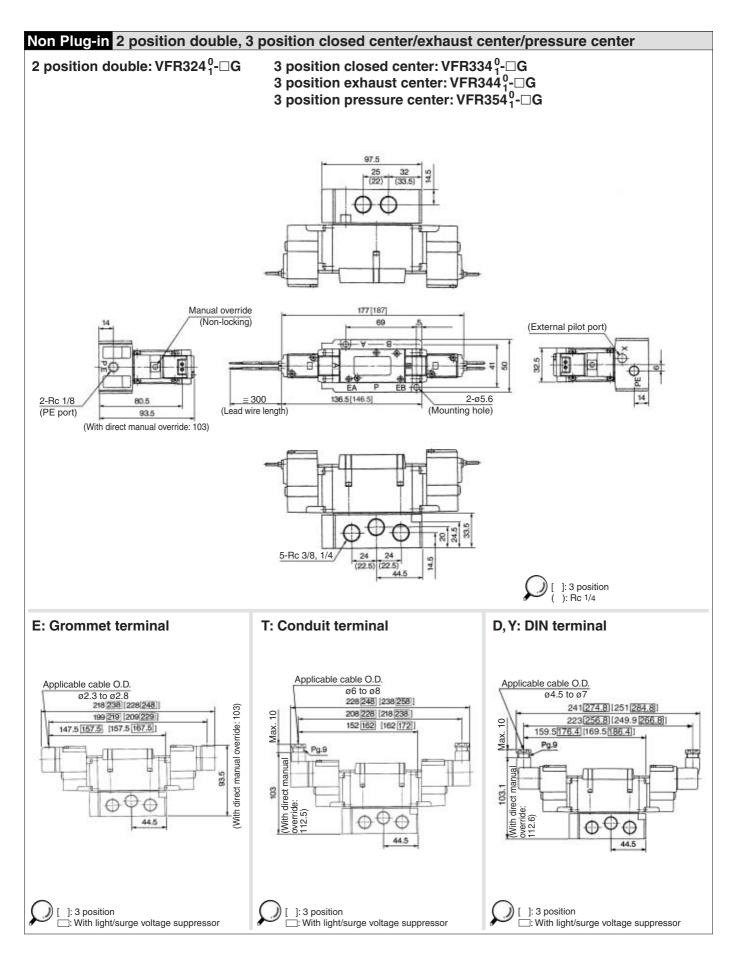
| Nia | Description | Material | Part no. | | | | |
|------|---------------------------|----------|--|-------------------|-------------------|--|--|
| No. | Description | Material | VFR31 | VFR32 | VFR3300/3400/3500 | | |
| 11 | Gasket | NBR | VFR3000-26-4 | VFR3000-26-4 | VFR3000-26-4 | | |
| 12 | Hexagon socket head screw | Steel | AXT632-3(M3 x 32) | AXT632-3(M3 x 32) | AXT632-3(M3 x 32) | | |
| (13) | Pilot valve assembly | — | Refer to "How to Order Pilot Valve Assembly" on page 3-5-30. | | | | |
| — | Sub-plate assembly | _ | Refer to "How to Order Sub-plate Assembly" on page 3-5-31. | | | | |











Series VFR3000 Manifold Specifications

Manifold Specifications

| Base mounted | Wiring | Porting specifications | Port | size | Stations | Applicable | |
|-------------------------------|---|------------------------|--------------|----------|----------|---|--|
| Dase mounted | winng | A, B port | P, EA, EB | A, B | Stations | valve model VFR3=00-=F VFR3=1=-=E VFR3=1=-=D | |
| | With terminal block | | Note) 1/2 | 1/4, 3/8 | 2 to 10 | | |
| Plug-in type VV5FR3-01□ | With multi-connectorWith D-sub connector | | | | 2 to 8 | VFR3□00-□F | |
| Non plug-in type VV5FR3-10 | Grommet terminalDIN terminal | Side/Bottom | | | | - | |
| Non plug-in type VV5FR3-40 | Grommet Grommet terminal Conduit terminal DIN terminal | | | C8, C10 | 2 to 10 | VFR3□4□-□G VFR3□4□-□E VFR3□4□-□T VFR3□4□-□D | |

Note) If silencer is mounted to EA/EB port, use silencer "AN403-04" (O.D. ø27).

How to Order Manifold Assembly

<Example> Plug-in type with terminal block: 6 stations

VV5FR3-01T-061-02.....1 set (Manifold base part no.)

*VFR3100-5FZ...... 3 sets (2 position single part no.)

*VFR3200-5FZ······ 2 sets (2 position double part no.)

*VVFS3000-10A······· 1 set (Blanking plate)

The asterisk denotes the symbol for assembly. Prefix it to the part nos. of the solenoid valve, etc.

Valve arrangement is counted from the D side.

When ordering, specify the part nos. in order from the 1st. station in the D side. When entry of part numbers becomes complicated, indicate on the manifold specification sheet.

Plug-in Type: With Terminal Block

| Plug-in Type: With Terminal B | OCK | | | |
|--|--|--|---|--|
| 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. U side U side Terminal block (Internal) | Series VFR3000 Manifold Plug-in type with terminal block Stations • | Symbol Passage Porting ppecifications P EA, EB (A, B) Common Common Side | Port size Symbol P, EA, EB A, B* 02 1/ 4 03 3/8 One-touch fitting for ø8 One-touch fitting for ø10 M Mixed Prototom ported: Rc 1/4, 3/8 only. | → Thread type Nil Rc F G N NPT T NPTF |
| Plug-in Type: With Multi-conn | ector (For wiring specifications, refer to | o page 3-5-8.) | | |
| Master connection of power and solenoid valves. Quick wiring permits ease of installation. | VV5FR3 - 01C Series VFR3000 Manifold Plug-in type with multi-connector Connector Stations Superior Connector Stations Superior Mounting direction D side mounting U U side mounting Superior Superior Stations Superior Stations Superior Stations Superior Stations Superior Superior Stations Superior Superior Stations Superior Superior Superior Stations Superior Superior Superior Stations Superior Sup | Symbol P EA, EB (A, B) | 02 Port size Symbol P, EA, EB A, B * 02 1/4 03 3/8 C8 1/2 One-touch fitting for ø8 One-touch fitting for ø10 M * For bottom ported: Rc 1/4, 3/8 only. | Thread type Nil Rc F G N NPT T NPTF |

<Example> Non plug-in type: 6 stations

of the solenoid valve, etc.

specification sheet.

Valve arrangement is counted from the D side.

VV5FR3-10-061-03······1 set (Manifold base part no.)

*VFR3110-5D.....5 sets (2 position single part no.)

*VFR3410-5D.....1 set (3 position exhaust center part no.)

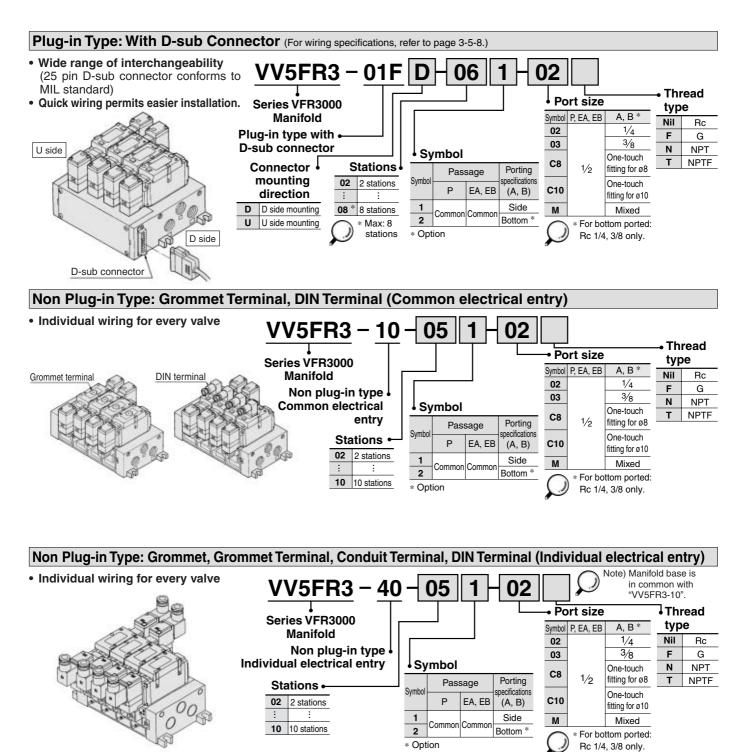
The asterisk denotes the symbol for assembly. Prefix it to the part nos.

When ordering, specify the part nos. in order from the 1st. station in the D side. When entry of part numbers becomes complicated, indicate on the manifold

VVF3000-R-03-2······1 set (Individual EXH spacer part no.)

VK VZ VF VP4 VZS VFS VS4 VQ7 EVS VFN

SMC



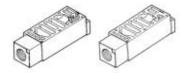
Note) Manifold base is in common with Series VFS3000.

Manifold/Option Parts Assembly

Individual SUP spacer

Setting individual SUP spacer on the manifold block enables individual SUP port for each valve.

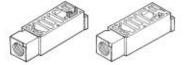
Body type Plug-in type Non plug-in type Part no. VVFS3000-P-03-1 VVFS3000-P-03-2



Individual EXH spacer

Setting individual EXH spacer on the manifold block enables individual EXH port for each valve.

| Body type | | Non plug-in type |
|-----------|-----------------|------------------|
| Part no. | VVFS3000-R-03-1 | VVFS3000-R-03-2 |
| | 1000-000 | |



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, insert EXH block disk in between stations to separate valve exhaust.

| | ре | | | |
|--------------------|-----------|--|--|--|
| Part no. AXT636-1A | AXT636-1A | | | |



Throttle valve spacer

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

Non plug-in type Body type Plug-in type Part no. VVFS3000-20A-1 VVFS3000-20A-2



Interface regulator

Interface regulator set on the manifold block can regulate pressure for each valve. (Refer to "Flow Characteristics" on page 3-5-6 before operation.)

| 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 |

SUP stop valve spacer

If SUP stop valve spacer is set, valve can be removed for maintenance without stopping air pressure supply for other valves.

| Body type | Plug-in type | Non plug-in type | |
|--------------------------------|----------------|------------------|--|
| Part no. | VVFS3000-37A-1 | VVFS3000-37A-2 | |
| (Usinktwill be 07.5 mm binken) | | | |

(Height will be 27.5 mm higher.)

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 VVFS3000-10A Part no. * Mounting screws: 4 positions



Manifold Option

With exhaust cleaner

Plug-in type/Non plug-in type

- Valve exhaust noise dampening: 35 dB or more.
- · Collects oil mist: collecting rate 99.9% or more
- Piping process reduced.



For details, refer to page 3-5-44.

With control unit

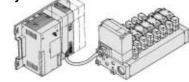
- Plug-in type/Non plug-in type • Filter, regulation valve, pressure switch and air release valve are
- all combined to form one unit. • Piping processes are eliminated.



For details, refer to page 3-5-44.

With serial interface unit for serial transmission Plug-in type

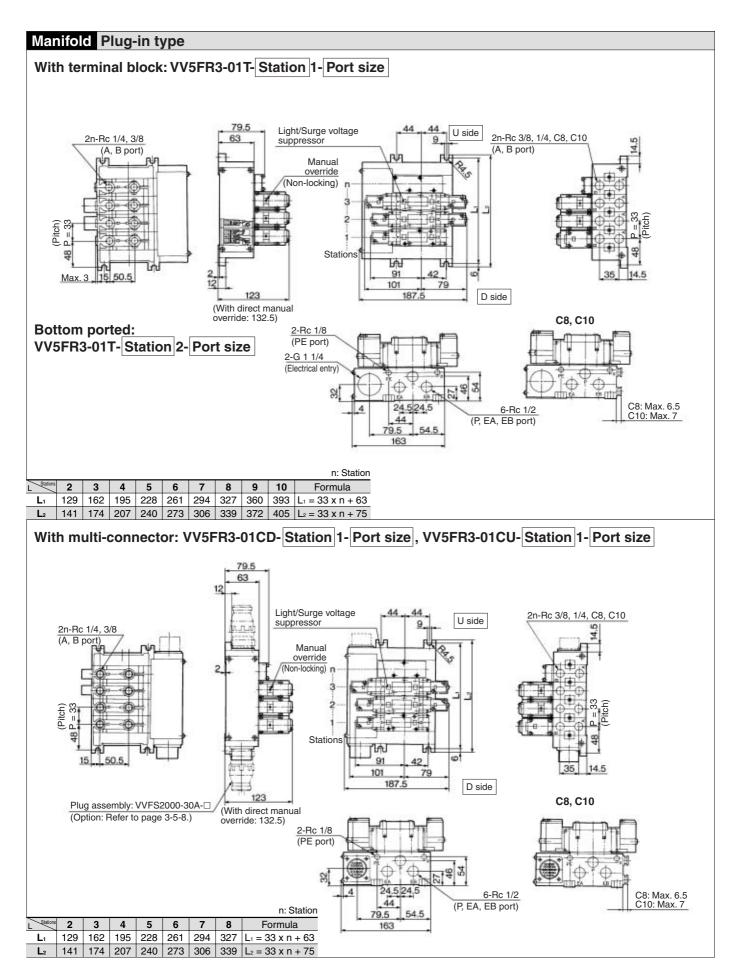
- Solenoid valve wiring process reduced considerably.
- Disperse installation possible. Manifold solenoid valve: 8 stations max. 32 positions (512 solenoids).
- Maintenance and inspection are easy.

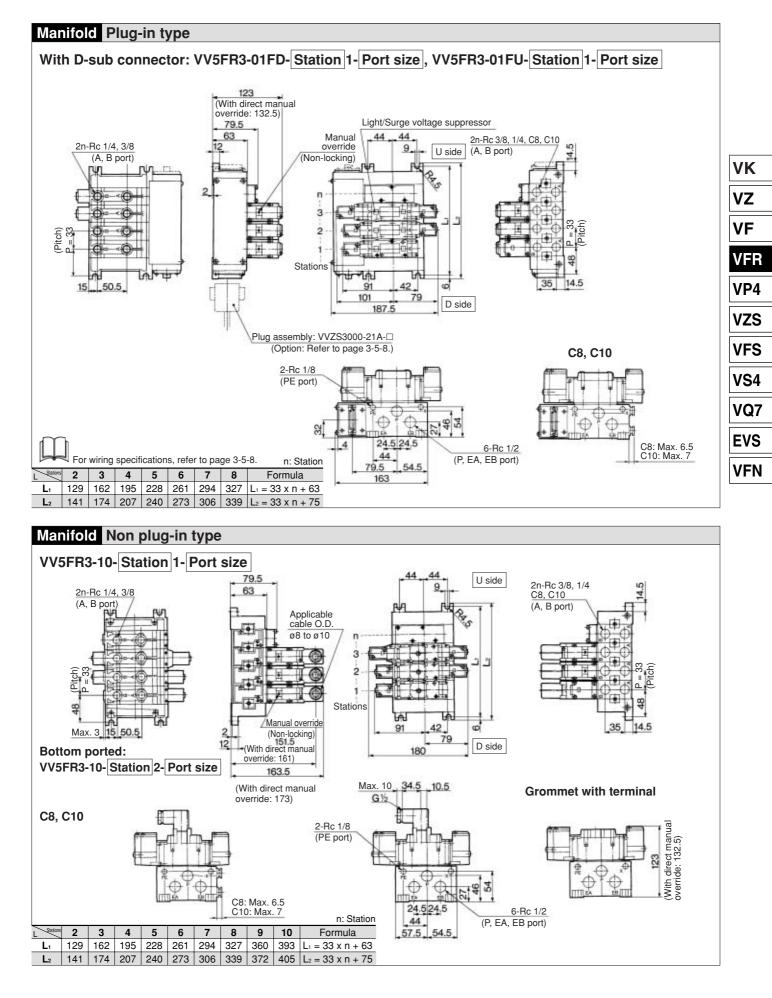


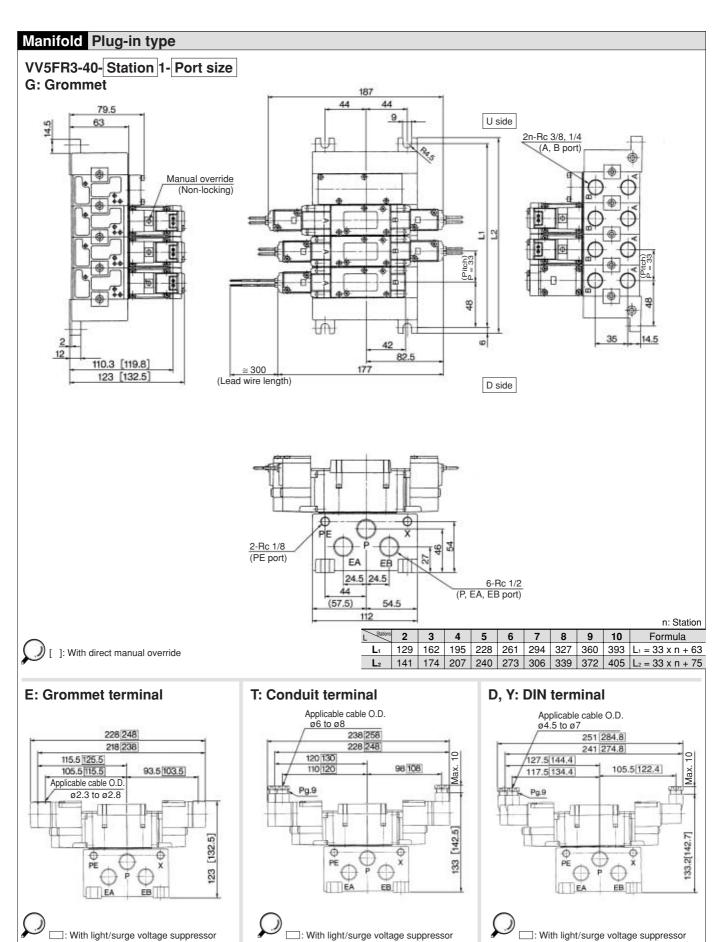
For details, refer to "Serial Transmission" catalog separately.

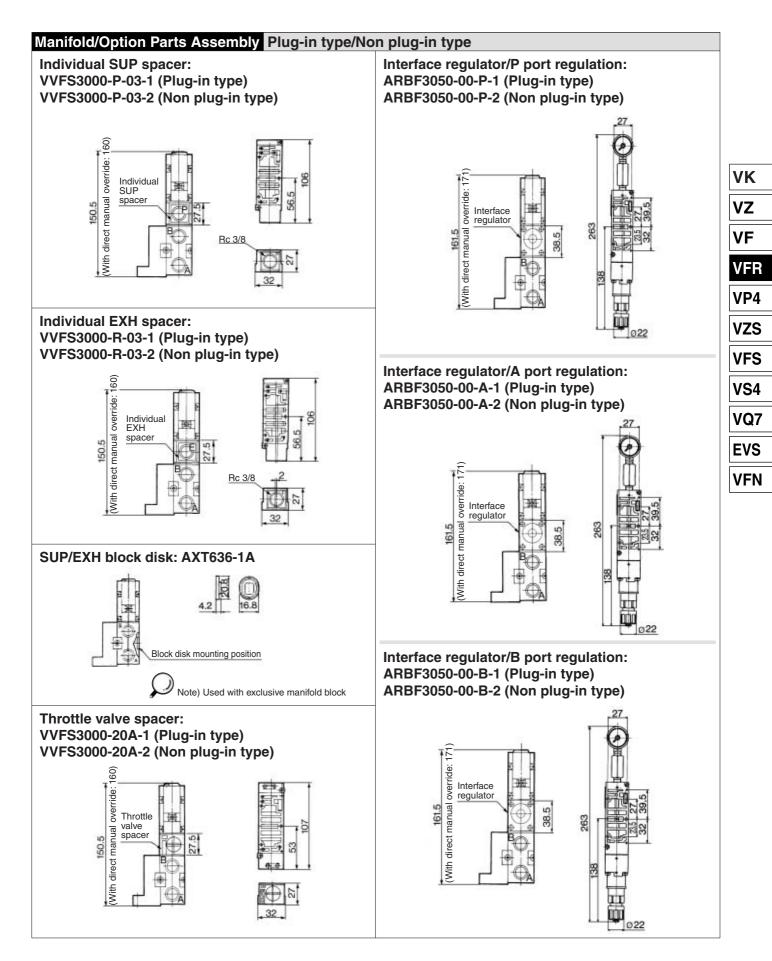
VZ VF VFR VP4 VZS VFS VS4 VQ7 EVS VFN

VK



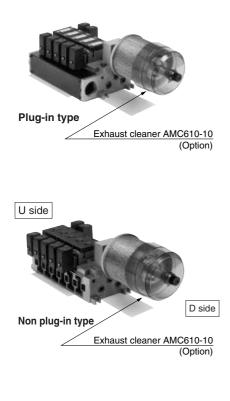




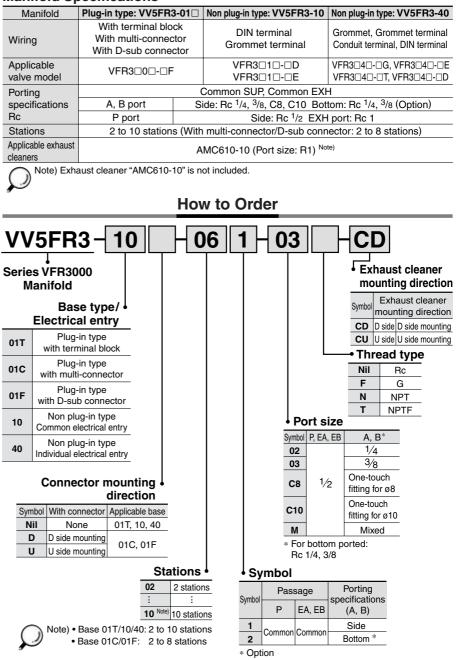


Manifold with Exhaust Cleaner

- Serves to protect working environment.
- Valve exhaust noise dampening: 35 dB or more.
- Collection rate of drainage and oil mist: 99.9% or more
- Piping work is reduced.



Manifold Specifications



How to Order Manifold Assembly

| <example> Plug-in type with terminal block (6 stations)</example> |
|--|
| VV5FR3-01T-061-03-CD 1 set (Manifold base part no.) |
| *VFR3100-5FZ |
| *VFR3200-5FZ 2 sets (2 position double part no.) |
| *VVFS3000-10A 1 set (Blanking plate assembly part no.) |
| *AMC610-10 1 set (Exhaust cleaner part no.) |
| → The asterisk denotes the symbol for assembly. Prefix it to the part nos. of the solenoid valve, etc. |

Valve arrangement is counted from the D side.

When ordering, specify the part nos. in order from the 1st. station in the D side. When entry of part numbers becomes complicated, indicate on the manifold specification sheet.

ACaution

When using an exhaust cleaner, mount it downwards.

<Example> Non plug-in type: 6 stations

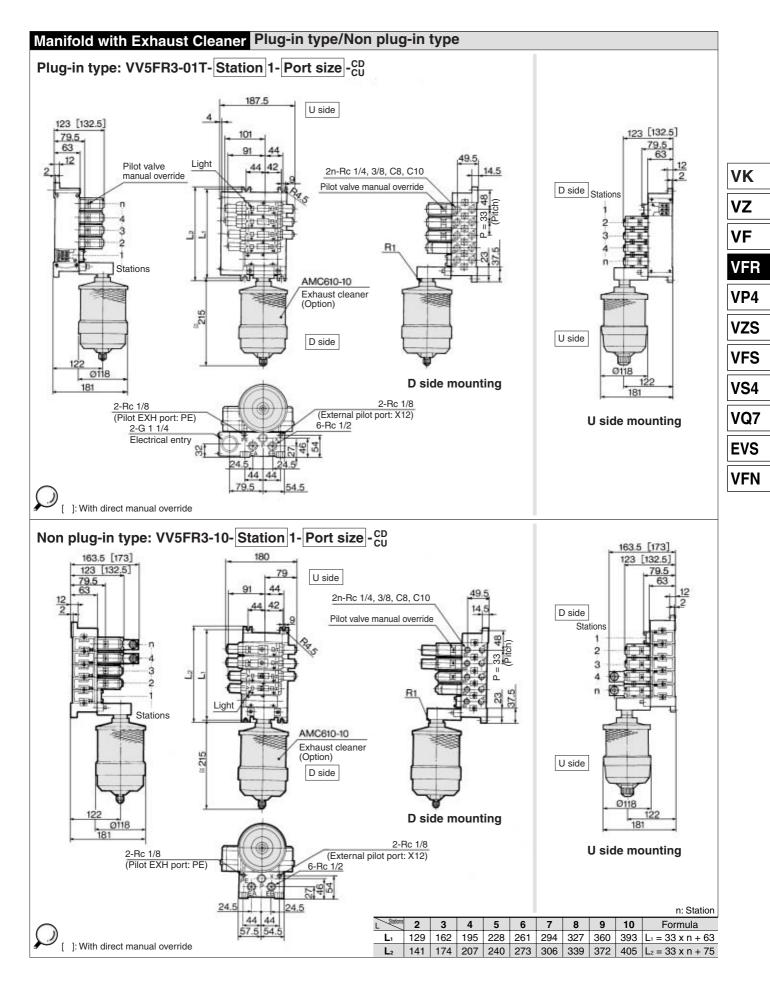
| VV5FR3-10-061-03-CU 1 set (Manifold base part no.) |
|--|
| *VFR3110-5E 3 sets (2 position single part no.) |
| *VFR3210-5E 2 sets (2 position double part no.) |
| *VVFS3000-10A 1 set (Blanking plate assembly part no.) |
| *AMC610-10 ··········· 1 set (Exhaust cleaner part no.) |
| The asterisk denotes the symbol for assembly. Prefix it to the part nos. of the solenoid valve, etc. |

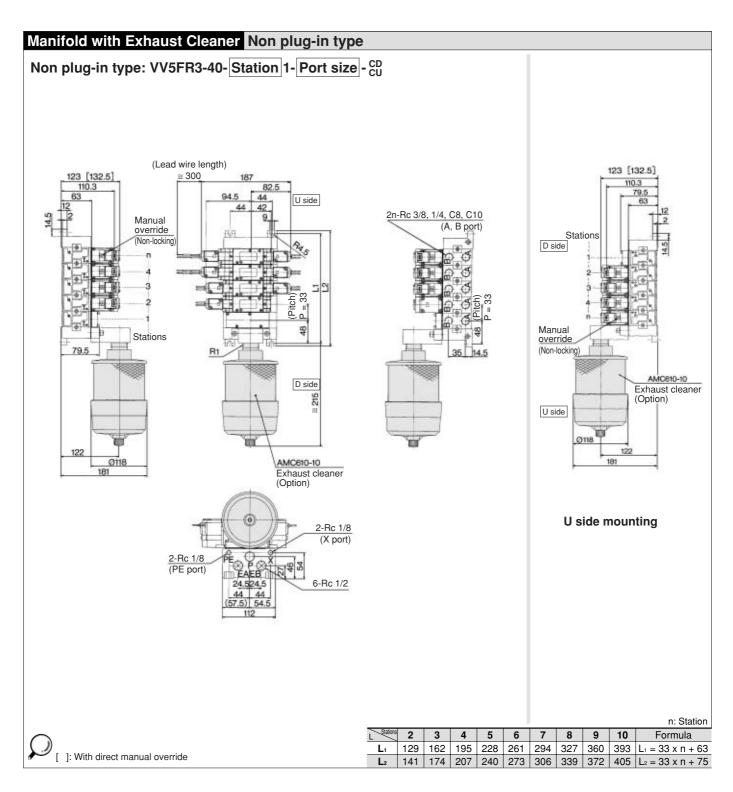
Valve arrangement is counted from the D side.

When ordering, specify the part nos. in order from the 1st. station in the D side. When entry of part numbers becomes complicated, indicate on the manifold specification sheet.

Refer to Best Pneumatics Vol. 5 for Exhaust Cleaner details.

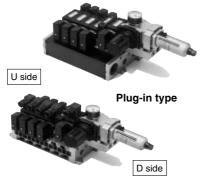






Manifold with Control Unit -

- 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.



Non plug-in type

A Caution

Air filter with auto-drain or manual drain must be mounted with the air filter at the bottom.

Manifold Specifications

| Manifold | Plug-in type: VV5FR | 3-01□ | Non plug-in type: VV5FR3-10 | Non plug-in type: VV5FR3-40 |
|-------------------------------------|--|--|----------------------------------|--|
| Wiring | With terminal blo With multi-connec With D-sub conne | ctor | DIN terminal Grommet terminal | Grommet, Grommet terminal Conduit terminal, DIN terminal |
| Applicable valve model | VFR3□0□-□F | : | VFR3□1□-□D VFR3□1□-□E | VFR3□4□-□G, VFR3□4□-□E VFR3□4□-□T, VFR3□4□-□ ^D |
| Porting | Common SUP, Common EXH | | | |
| specifications | A, B port | rt Side: Rc ¹ /4, ³ /8, C8, C10 Botton | | tom: Rc ¹ /4, ³ /8 (Option) |
| Rc | P, EA, EB port | | Side: Rc | 1/2 |
| Stations | 2 to 10 (With multi-connector/D-sub connector: 2 to 8) * | | | |
| * Including station of control unit | | | | |

2

Control Unit Specifications

| Air filter (With auto-drain/With manual drain) | | |
|--|---------------------------|--|
| Filtration degree | 5 µm | |
| Regulator | | |
| Set pressure | 0.05 to 0.85 MPa | |
| (Outlet pressure) | 0.05 10 0.85 101 2 | |
| Pressure switch | | |
| Set pressure range: OFF | 0.1 to 0.6 MPa | |
| Differential | 0.08 MPa | |
| Contact | 1a | |
| Indicator light | LED (RED) | |
| Max. switch capacity | 2 VA AC, 2 W DC | |
| Max. operating | 24 VAC, DC or less: 50 mA | |
| current | 100 VAC, DC: 20 mA | |
| Inside voltage drop | 4 V or less | |
| Air release valve (Single only) | | |
| Operating | 0.2 to 0.9 MPa | |
| pressure range | 0.2 10 0.9 MFa | |

Control Unit/Option

| Air release | <plug-in type=""> VVFS3000-24A-1R (D side mounting)</plug-in> | | | |
|---|--|-----------------|--|--|
| valve spacer | <non plug-in="" type=""> VVFS3000-24A-2R (D side mounting)</non> | | | |
| Pressure (2) switch | IS1000P-2-1 | | | |
| Displane | For filter regulator | MP2-3 | | |
| Blanking plate | For pressure switch | MP3-2 | | |
| plate | For air release valve | VVFS3000-24A-10 | | |
| Filter element | INA-13-854-12-5B | | | |
| Note 1) Combining valve "VFR31□□" (single) and release valve spacer makes it possible to use this as an air release valve. | | | | |
| Note 2) Pressure switch cannot be mounted later on non plug-in type. | | | | |

VK

VZ

VF

VFR

VP4

VZS

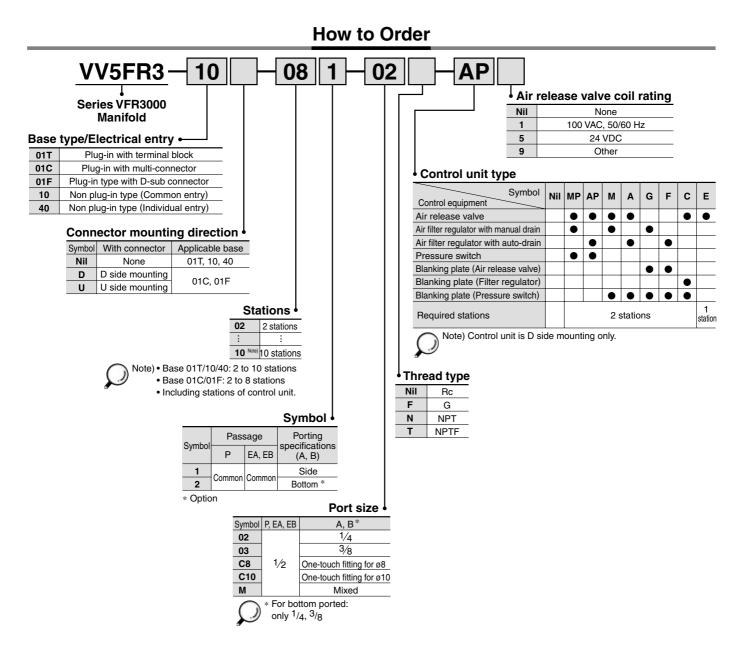
VFS

VS4

VQ7

EVS

VFN



SMC

How to Order Manifold Assembly

<Example> Plug-in type with terminal block

the solenoid valve, etc.

| VV5FR3-01T-081-03-AP5 1 set (Manifold base part no.) |
|---|
| *VFR3100-5FZ 4 sets (2 position single part no.) |
| *VFR3200-5FZ 2 sets (2 position double part no.) T |
| The asterisk denotes the symbol for assembly. Prefix it to the part nos. of |

The 1st and 2nd station are used for control unit mounting.

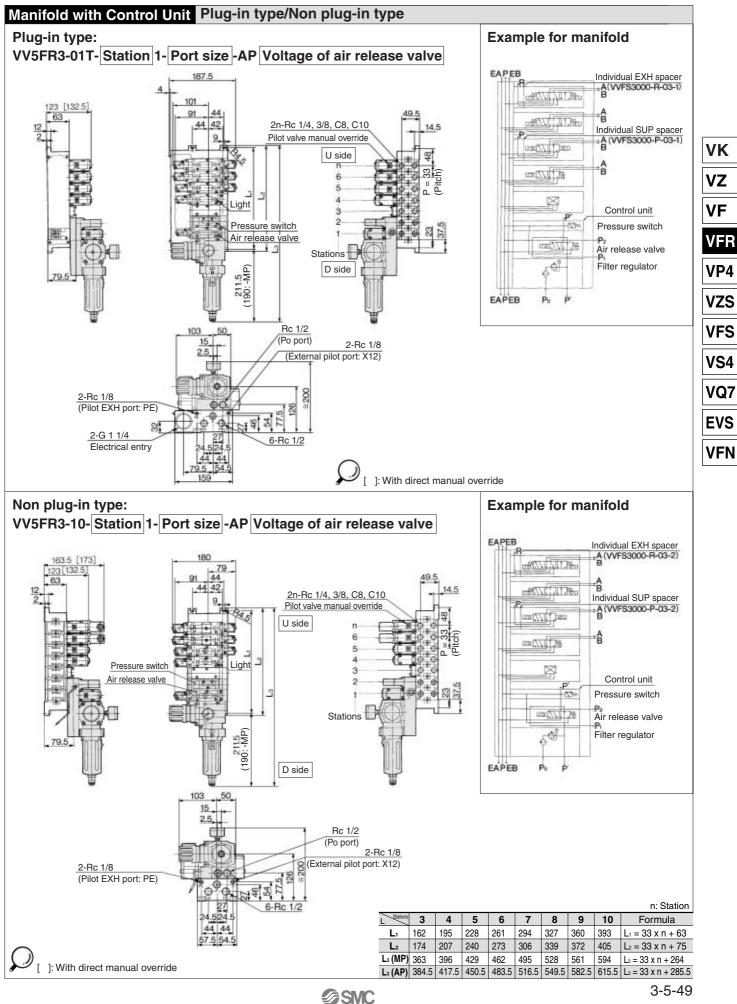
When ordering, specify the part nos. in order from the 3rd. station in the D side. When entry of part numbers becomes complicated, indicate on the manifold specification sheet. <Example> Non plug-in type

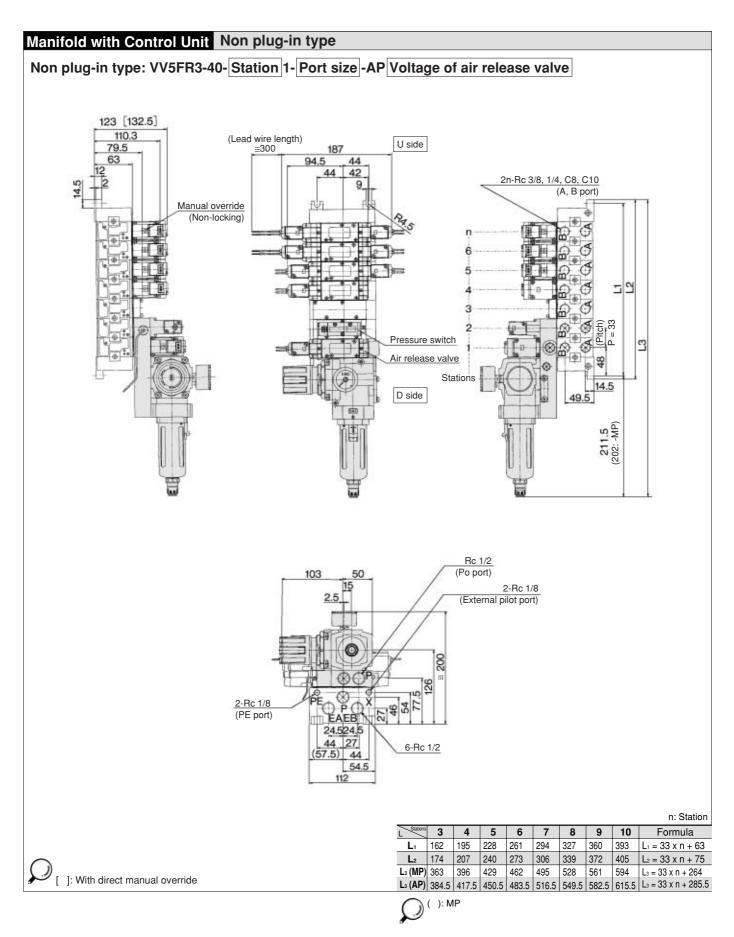
VV5FR3-10-061-03-A5 1 set (Manifold base part no.) *VFR3110-5D 4 sets (2 position single part no.)

The asterisk denotes the symbol for assembly. Prefix it to the part nos. of the solenoid valve. etc.

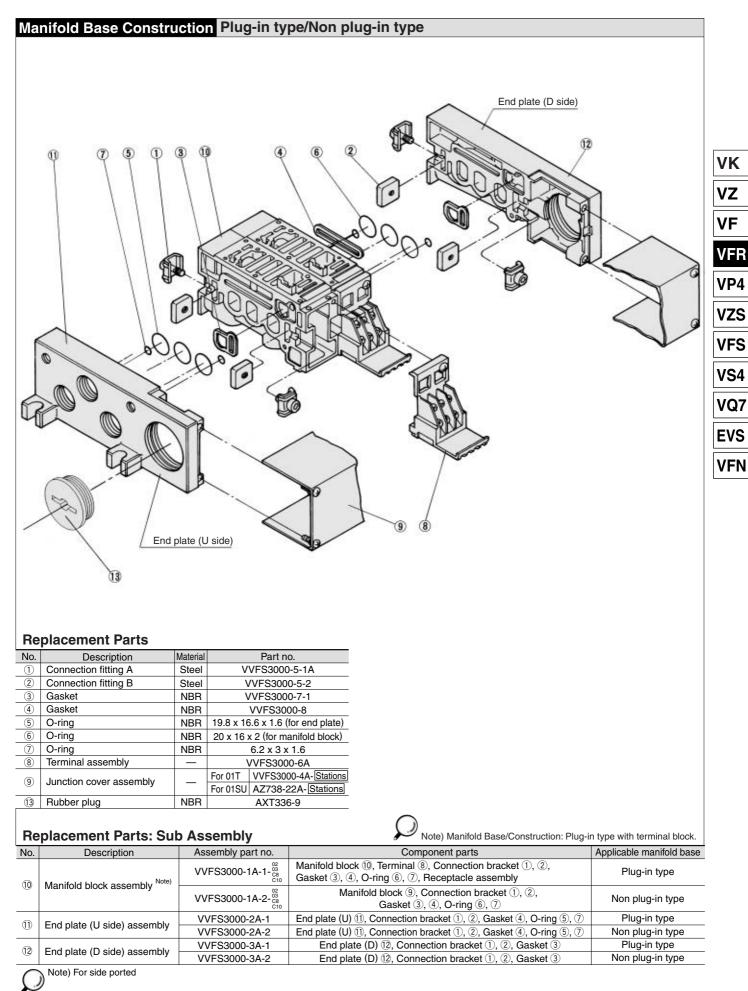
The 1st and 2nd station are used for control unit mounting.

When ordering, specify the part nos. in order from the 3rd. station in the D side. When entry of part numbers becomes complicated, indicate on the manifold specification sheet.





SMC



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