3 Port Solenoid Valve
Series VQ100

Unprecedented high speed, stable response, and extra-long service life.

ON: 3.5ms, OFF: 2ms, Dispersion accuracy ±1ms
(With indicator light and surge voltage suppressor; supply pressure 0.5MPa)
200 million cycles or more (clean and dry air)
(Factors determined in a life test by SMC)

Compact with large flow capacity.
Body width: 9.8mm,
Cv: 0.02 (Standard, high pressure style)
Cv: 0.04 (Option, large flow style)

Options
External non-leak
Latching style
Negative COM specifications
AC voltage
Normally open
Vacuum (1)

Copper-free specifications
The fluid contacting section is copper-free and the standard style can be used as it is.

A wide variations of wiring

- Manifold
  - Plug-in unit manifold
  - Plug load unit manifold
- Single unit
  - L plug connector
  - M plug connector
  - Grommet

Note 1) Consult SMC for vacuum specifications.
**Precautions**

Be sure to read before handling. Refer to p.0-33 to 0-36 for Safety Instructions and common precautions.

### Warning

**Manual Override**
The connected equipment will be operated when manual override is used. Check carefully before handling to make sure that there is no danger.

- **Non-locking push flush style**
  - It is turned ON by pushing the button in the direction indicated by the arrow until it hits the end and turned OFF by releasing the button.

- **Locking slotted style (Option)**
  - It can be locked in the ON state by turning the manual override to the right, setting the ▶ mark to 1 and pushing it.
  - It can be unlocked by turning the manual override to the left, setting the ▶ mark to 0 and pushing it, and the manual returns.

- **Push locking slotted style (Latching style)**
  - It can be locked in the set state (flow: P → A) by turning the manual override to the right, setting the ▶ mark to 1 and pushing it.
  - It can be turned back to the reset state (flow: A → P) by turning the manual override to the left, setting the ▶ mark to 0 and pushing it. (It is set in reset state when shipped.)

### Caution

**How to Use a Plug Connector**

#### Connection/Disconnection of connector
- Push the connector straight onto the pins of the solenoid, making sure the lip of the lever is securely positioned in the groove on the solenoid cover.
- Press the lever against the connector and pull the connector away from the solenoid.

*Note* GENTLY pull the lead wire, otherwise it may cause contact failure or disconnection.

#### Crimping connection of lead wire and socket
Remove the insulation on the lead wire at the end from 3.2 to 3.7mm and insert the wires into the socket crimping area. Crimp the socket onto the wire using a crimping tool. Be careful not to let the insulation of the lead wire get into the wire crimping part.

(Crimping tool: Part No. DXT170-71-1)

#### Connection/Disconnection of socket with lead wire
- **Installation**
  - Insert socket into the square hole (indicated as A, C and B) on the connector, hold the lead wire and push until it locks in place.
  - Ensure that it is locked by pulling the lead wire a little.

- **Removal**
  - Pull and detach the lead wire, pressing in on the end of the hook of the socket through the side hole using a stick with thin end (about 1mm). To reuse the socket, extend the hook outward.

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<table>
<thead>
<tr>
<th>SY</th>
<th>SYJ</th>
<th>VK</th>
<th>VZ</th>
<th>VT</th>
<th>VP</th>
<th>VG</th>
<th>VS</th>
</tr>
</thead>
<tbody>
<tr>
<td>VQ</td>
<td>VQZ</td>
<td>VS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.9-3
## Series VQ100

### Precautions

Be sure to read before handling. Refer to p.0-33 to 0-36 for Safety Instructions and common precautions.

### Caution

#### How to Use Plug Connector

**Wiring**

- Lead wires are connected as follows. Connect them to the power supply side.

**DC Positive COM**

- Lead wire color: Black (+) Red (-)
- Single style: SOL. A COM. C Set (-) White Reset (+) Black
- Latching style: SOL. A Set COM. C Reset (-) White (+) Black

**DC Negative COM**

- Note) Single style: No polarity
- Lead wire color: Black (+) Red (-)
- Single style: SOL. A COM. C Set (+) Red Reset (-) Black
- Latching style: SOL. A Set COM. C Reset (+) Red (-) Black

**AC**

- Lead wire color: Blue (+) Red (-)
- Single style: SOL. A COM. C Set (+) Red Reset (-) White
- Latching style: SOL. A Set COM. C Reset (-) White (+) Red

#### How to Order Connector Assembly

**DC Positive COM**

- Single: AXT661-14A-
- Latching: AXT661-13A-

**DC Negative COM**

- Latching: AXT661-13AN-

**100V AC**

- Single: AXT661-31A-
- Latching: AXT661-32A-

**200V AC**

- Single: AXT661-34A-
- Latching: AXT661-35A-

#### Plug connector lead wire length

The lead wire length of the valve with lead wire is 300mm. When ordering a valve with lead wire of 600mm or more, order the valve without lead wire and order the lead wire separately.

### Caution

#### Light and Surge Voltage Suppressor

For latching style, set energizing side and reset the energizing side are indicated with orange and green respectively.

- ON (Set): Orange
- (Reset: Green)

#### Latching Style

The latching solenoid is equipped with a self-holding mechanism, which permits a movable iron core in the solenoid to hold the “set” position. Therefore there is no need to energize continuously.

- **<Special Cautions for Latching Solenoid>**
  1. Make sure ON and OFF signals are not energized simultaneously.
  2. 10ms energizing time is necessary for self-holding.
  3. Consult SMC if using in a place with high vibrations (10G or more) or high magnetic fields.
  4. This valve is shipped in the “reset” position (passage: A → R). However, it may move to the “set” position during transportation or due to impacts during mounting. Therefore, check the initial position before use by means of a power supply or manual override.

#### Single solenoid (DC) Latching solenoid (DC)

- A (+) Set
- C (+) COM
- B (-) Reset

#### Single solenoid (AC) Latching solenoid (AC)

- A set (+) C
- B reset (-)

#### Note 1) Single: No polarity

ON: Orange light lights.

#### Note 2) Setting side energizing:

Orange light lights.

Resetting side energizing: Green light lights.

With wrong wiring preventing ability (stop diode)

With surge voltage suppresser (ZNR/Surge absorbing diode)

#### Note 3) A (set) side energizing: P → A

#### Note 4) Negative COM specification is applicable.
**Caution**

How to Connect/Disconnect DIN Rail

**Connection/Disconnection of Plug**

- When mounting a connector: Align the positioning key grooves of the body to the key, and it is locked.
- When removing the connector: Pull the ring section straight back, and it is unlocked and then take it off.

**Wiring Specifications**

<table>
<thead>
<tr>
<th>Pin No.</th>
<th>Lead wire color</th>
<th>Dot marking</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White</td>
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</tr>
<tr>
<td>2</td>
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</tr>
<tr>
<td>3</td>
<td>Red</td>
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<td>19</td>
<td>Orange</td>
<td>19</td>
</tr>
<tr>
<td>20</td>
<td>Red</td>
<td>20</td>
</tr>
</tbody>
</table>

Electrical wiring specifications

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**Caution**

How to Connect/Disconnect DIN Rail

**Removing**

1) Loosen the clamp screw of the end plate on both sides.
2) Lift side \(A\) of the manifold base and slide the end plate in the direction of \(w\) shown in the figure to remove.

**Mounting**

1) Hook side \(B\) of the manifold base on the DIN rail.
2) Press down side \(A\) and mount the end plate on the DIN rail.
   - Tighten the clamp screw on the side.
   - Proper tightening torque of thread: 0.8 to 1.2Nm
# 3 Port Solenoid Valve

## Series VQ100

### How to Order Valve

**Series VQ**
- Compact 3 port valve

**Actuation**
1. Normally closed
2. Normally open

**Functions**
- L: Normally closed
- M: Normally open
- H: Latching style, Positive COM
- Y: Latching style, Negative COM
- L: Large flow capacity style

**Coil Rated Voltage**
- 1: 100V AC (50/60Hz)
- 2: 200V AC (50/60Hz)
- 3: 110V AC (50/60Hz)
- 4: 220V AC (50/60Hz)
- 5: 110V AC (50/60Hz)
- 6: 24V DC
- 7: 12V DC
- 8: Other

**Manual override**
- F: Standard style (1W)
- G: High pressure style (1.5W)
- H: Low wattage style (0.5W)

**Erectrical entry**
- L: L plug connector, With indicator light and surge voltage suppressor
- M: M plug connector, With lead wire and light and surge voltage suppressor
- G: Grommet

Note: Consult SMC for other voltages.

### L plug connector, With indicator light and surge voltage suppressor

### M plug connector, Without connector, With indicator light and surge voltage suppressor

### Grommet

Note: Grommet: No latching, AC and large flow capacity.
Series VQ100

Standard Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Style</th>
<th>Standard (1W)</th>
<th>High pressure (1.5W)</th>
<th>Low wattage (0.5W)</th>
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</thead>
<tbody>
<tr>
<td>Valve structure</td>
<td></td>
<td>3 port direct operated poppet (NC)</td>
<td></td>
<td></td>
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<tr>
<td>Fluid</td>
<td></td>
<td>Air, Inert gas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. operating pressure</td>
<td></td>
<td>0.7MPa</td>
<td>0.8MPa</td>
<td>0.7MPa</td>
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<tr>
<td>Min. operating pressure</td>
<td></td>
<td>0MPa</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Effective area</td>
<td>1→2</td>
<td>0.28mm² (Cv 0.016)</td>
<td>0.14mm² (Cv 0.008)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2→3</td>
<td>0.36mm² (Cv 0.02)</td>
<td>0.20mm² (Cv 0.011)</td>
<td></td>
</tr>
<tr>
<td>Response time (1)</td>
<td></td>
<td>ON: 3.5ms, OFF: 2ms</td>
<td>ON: 3.5ms, OFF: 2.5ms</td>
<td></td>
</tr>
<tr>
<td>Ambient and fluid temperature</td>
<td></td>
<td>–10 to 50°C (2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubrication</td>
<td></td>
<td>Not required</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manual override</td>
<td></td>
<td>Non-locking push/Locking slotted (3)</td>
<td></td>
<td></td>
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<tr>
<td>Mounting operation</td>
<td></td>
<td>Free</td>
<td></td>
<td></td>
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<tr>
<td>Shock/Vibration resistance (4)</td>
<td></td>
<td>150/30m/s²</td>
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<tr>
<td>Weight</td>
<td></td>
<td>12.6g (L/M connector, Without subplate)</td>
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<td></td>
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<tr>
<td>Power consumption (Current)</td>
<td>DC</td>
<td>1W (42mA)</td>
<td>1.5W (63mA)</td>
<td>0.5W (21mA)</td>
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<tr>
<td>Electrical entry</td>
<td></td>
<td>Grommet</td>
<td>Plug-in, L plug connector, M plug connector (With indicator light and surge voltage suppressor)</td>
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</table>

Option Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Type</th>
<th>Latching</th>
<th>AC</th>
<th>Large flow capacity</th>
<th>Normally open</th>
</tr>
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<tbody>
<tr>
<td>Value</td>
<td>VQ110L-□</td>
<td>VQ110-[□]</td>
<td>VQ110U-[□]</td>
<td>VQ120-[□]</td>
<td></td>
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<tr>
<td>Max. operating pressure</td>
<td>0.7MPa</td>
<td>0.6MPa</td>
<td>0.5MPa</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Effective area</td>
<td>1→2</td>
<td>0.14mm² (Cv 0.03)</td>
<td>0.68mm² (Cv 0.04)</td>
<td>2→3</td>
<td>0.20mm² (Cv 0.01)</td>
</tr>
<tr>
<td></td>
<td>2→3</td>
<td>0.20mm² (Cv 0.01)</td>
<td>0.68mm² (Cv 0.04)</td>
<td>2→3</td>
<td>0.14mm² (Cv 0.03)</td>
</tr>
<tr>
<td>Response time (2)</td>
<td>5ms or less</td>
<td>6.5 or less</td>
<td>5ms or less</td>
<td>5ms or less</td>
<td>5ms or less</td>
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<tr>
<td>Valve pressure</td>
<td>24V DC</td>
<td>1W (42mA)</td>
<td>—</td>
<td>0.7W (29mA) (3)</td>
<td>1W (42mA)</td>
</tr>
<tr>
<td></td>
<td>12V DC</td>
<td>1W (83mA)</td>
<td>—</td>
<td>0.7W (29mA) (3)</td>
<td>1W (83mA)</td>
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<tr>
<td>Power consumption (Current)</td>
<td>100V AC</td>
<td>0.66VA (6mA)</td>
<td>0.55VA (5mA)</td>
<td>—</td>
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<tr>
<td></td>
<td>110V AC</td>
<td>0.65VA (5.9mA)</td>
<td>0.55VA (5mA)</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td></td>
<td>200V AC</td>
<td>1.26VA (6mA)</td>
<td>1.05VA (5mA)</td>
<td>—</td>
<td></td>
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<tr>
<td></td>
<td>220V AC</td>
<td>1.3VA (5.9mA)</td>
<td>1.15VA (5mA)</td>
<td>—</td>
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<td>Electrical entry</td>
<td>Plug-in, L plug connector, M plug connector (With indicator light and surge voltage suppressor)</td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Clean Series

Clean series is available for both standard and option specifications.

How to Order Valve

10-VQ110-□

Clean series
Series VQ100

How to Order Valve

VQ1 1 0 5 L M5

- Dimensions
  - Grommet
    - VQ1□0□□□G□□M5 (M3)

- Coil rated voltage
  1. 100V AC (50/60Hz)
  2. 200V AC (50/60Hz)
  3. 110V AC (50/60Hz)
  4. 220V AC (50/60Hz)
  5. 24V DC
  6. 12V DC
  7. Other

- Actuation
  - Normally closed
  - Normally open

- Functions
  - Standard (1W)
  - High pressure (1.5W)
  - Energy saver (0.5W)
  - Latching
  - Positive COM
  - Latching
  - Negative COM
  - Large flow capacity

- Manual override
  - Non-locking push flush style
  - Latching style
  - Locking push tool style
  - Locking slotted style

- Electrical entry
  - L plug connector, With lead wire and light/surge voltage suppressor
  - L plug connector, Without connector, With indicator light and surge voltage suppressor
  - M plug connector, With lead wire and light/surge voltage suppressor
  - M plug connector Without connector, With indicator light and surge voltage suppressor.

- Grommet
  - No latching style, AC and large flow capacity style

- Port size
  - Without sub-plate
  - M3 With sub-plate
  - M5 With sub-plate

- Note
  - Latching style manual override: Looking-push slotted style only.

- Manual override
  - Option
  - Consult SMC for other voltages.

- G3 Series 2/19/99 9:31 AM  Page 8
**Series VQ100**

**How to Order Manifold**

**Plug-in Unit Manifold**

**Applicable Solenoid Valve**

Series VQ1 1 08 C U1 D

**Manifold base**

- **VQ3Q11-08CU1D**

**Stations**
- 02 2 stations
- 18 18 stations

**Electrical entry**

- **C** Multi-connector

**Connector location**

- **U** Top entry
- **S** Side entry

**Cable length**

- **0** Without cable
- **1** With cable (1.5m)
- **2** With cable (3m)
- **3** With cable (5m)

**Option**

- **None**
- **D** DIN rail mounted (With standard length of DIN rail)
- **D0** DIN rail mounted (Without DIN rail)

**Prefix with "∗" to mark parts for ass'y nos. of solenoid valves, etc.**

**How to Order Valve**

**Series VQ1 0 5 F**

**Actuation**

- 1 Normally closed
- 2 Normally open

**Functions**

- **H** High pressure (1.5W)
- **V** Low wattage (0.5W)
- **L** Large flow capacity

**Coil rated voltage**

- 1 100V AC (50/60Hz)
- 2 200V AC (50/60Hz)
- 3 110V AC (50/60Hz)
- 4 220V AC (50/60Hz)
- 5 24V DC
- 6 12V DC
- 9 Other

**Manual override**

- **F** Plug-in style

**Electrical entry**

- **B** Locking slotted style

**Note 1)** Except for large flow capacity style.

**Note 2) Normally closed and normally open style cannot be mounted on the same manifold.**

**How to Order Manifold Assembly**

Prefix valve and option nos. to the manifold base No.

- **Example**
  - Plug-in unit manifold with cable (3m)
  - VVQ3Q11-08CU1D

**Complete the following**

- **Manifold base part No.**
- **Valve part No.** (1 to 4th stations)
- **Blank plate** (5th station)

**Write sequentially from the 1st station on the D side.**

**Note 1) Order DIN rail separately. Refer to p.2.9-15 for “How to Order” for DIN rail.**

**2.9-10**
Series VQ100

Plug-in Unit (VV3Q11) Manifold with Multi-connector

The broken line indicates DIN rail mounted style (-D) and side entry connector (S).

Dimensions

<table>
<thead>
<tr>
<th>Station</th>
<th>L1</th>
<th>L2</th>
<th>(L3)</th>
<th>(L4)</th>
<th>(L5)</th>
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<tbody>
<tr>
<td>1</td>
<td>52</td>
<td>62</td>
<td>83</td>
<td>112.5</td>
<td>123</td>
</tr>
<tr>
<td>2</td>
<td>62</td>
<td>72</td>
<td>103</td>
<td>125</td>
<td>123</td>
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<td>3</td>
<td>82</td>
<td>92</td>
<td>113</td>
<td>137.5</td>
<td>135.5</td>
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<td>4</td>
<td>92</td>
<td>102</td>
<td>123</td>
<td>150</td>
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<td>15</td>
<td>202</td>
<td>202</td>
<td>233</td>
<td>262.5</td>
<td>273</td>
</tr>
</tbody>
</table>

Equation: \[ L_1 = 10n + 32 \]
\[ L_2 = 10n + 43 \]

n: Station (Max. 18)
Series VQ100

How to Order Manifold

**Plug Lead Unit**

Applicable Solenoid Valve (plug lead style)

<table>
<thead>
<tr>
<th>Series</th>
<th>VQ100</th>
</tr>
</thead>
</table>

**Coil rated voltage**

<table>
<thead>
<tr>
<th>Valve No.</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>110V AC (50/60Hz)</td>
</tr>
<tr>
<td>2</td>
<td>200V AC (50/60Hz)</td>
</tr>
<tr>
<td>3</td>
<td>110V DC (50/60Hz)</td>
</tr>
<tr>
<td>4</td>
<td>220V AC (50/60Hz)</td>
</tr>
<tr>
<td>5</td>
<td>24V DC</td>
</tr>
<tr>
<td>6</td>
<td>12V DC</td>
</tr>
<tr>
<td>9</td>
<td>Other</td>
</tr>
</tbody>
</table>

**Actuation**

- 1: Normally close
- 2: Normally open

**Manual override**

- Option: Latching push flush style
- Option: Locking slotted style

**Electrical entry**

- **L**: L plug connector. With lead wire and light/surge voltage suppresser
- **LO**: L plug connector. Without connector. With indicator light and surge voltage suppresser
- **M**: M plug connector. With lead wire and light/surge voltage suppresser
- **MO**: M plug connector. Without connector. With light/surge voltage suppresser
- **G**: Grommet

Note: Grommet: No AC and large flow capacity style.

**N Notes**

- Non-locking push flush style
- Latching type: Looking-push slotted style
- Locking slotted style

**Manifold base**

<table>
<thead>
<tr>
<th>Station</th>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>U</td>
<td>Plug lead unit U type (large flow capacity) mounting base</td>
</tr>
</tbody>
</table>

**Port size” and thread**

- M, Rc(PT)1/8
- NPT1/8
- NPTF1/8
- G(PF)1/8

* Only thread port size 1/8 style (2U type, P/E port) has choice of thread.

**Manifold base No.**

<table>
<thead>
<tr>
<th>Valve No. (1st to 4th stations)</th>
<th>Blank plate part No. (5th station)</th>
</tr>
</thead>
</table>

Suffix valve and option numbers for the manifold base No.

(Example)

- Plug lead unit manifold with cable (3m)
- Valve No. (1st to 4th stations)
- Blank plate part No. (5th station)

Place “∗” in front of the part No. of solenoid valve which is to be mounted.

**How to Order Valve**

Series VQ

**Compact 3 port valve**

**Actuation**

- 1: Normally close
- 2: Normally open

**Functions**

- H: High pressure (1.5W)
- Y: Low wattage (0.5W)
- L: Latching
- N: Negative COM
- U: Large flow capacity

**Coil rated voltage**

<table>
<thead>
<tr>
<th>Valve No.</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>100V AC (50/60Hz)</td>
</tr>
<tr>
<td>2</td>
<td>200V AC (50/60Hz)</td>
</tr>
<tr>
<td>3</td>
<td>110V AC (50/60Hz)</td>
</tr>
<tr>
<td>4</td>
<td>220V AC (50/60Hz)</td>
</tr>
<tr>
<td>5</td>
<td>24V DC</td>
</tr>
<tr>
<td>6</td>
<td>12V DC</td>
</tr>
<tr>
<td>9</td>
<td>Other</td>
</tr>
</tbody>
</table>

Consult SMC for other voltages.

**2.9-12**
**Series VQ100**

**Construction**

Component Parts

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Solenoid coil</td>
<td>—</td>
</tr>
<tr>
<td>2</td>
<td>Body</td>
<td>Resin</td>
</tr>
<tr>
<td>3</td>
<td>Fixed iron core assembly</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>4</td>
<td>Movable iron core assembly</td>
<td>Stainless steel, Resin</td>
</tr>
<tr>
<td>5</td>
<td>Return spring</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>6</td>
<td>Poppet</td>
<td>NBR</td>
</tr>
<tr>
<td>7</td>
<td>Phillips/ordinary round head screw</td>
<td>Cotton slice</td>
</tr>
<tr>
<td>8</td>
<td>Interface gasket</td>
<td>NBR</td>
</tr>
</tbody>
</table>

Replacement Parts

<table>
<thead>
<tr>
<th>No.</th>
<th>Part</th>
<th>Material</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Sub-plate</td>
<td>ZDC</td>
<td>AXT662-1-1 (1: M5, 2: M3)</td>
</tr>
</tbody>
</table>

Optional Parts

- Gasket, screw: VQ100-GS-5

Note: 1 set includes: 1 gasket and 2 screws. Please order 10 sets at a time.

N.C. valve

2.9-14
**Series VQ100**

### Manifold Option

#### Plug Assembly

**VVQ100-12A-1**

![Diagram of VVQ100-12A-1]

1. Plug: RP13A-12PS-20SC (Made by Hirose Electric)
2. Female contact: RP19-SC-222 (Made by Hirose Electric)
3. Vinyl multi-core cable: VVRF 0.2mm² 20-core

**VVQ100-12A-2**

- Cable Length: 1.5m
- Dimensions: L = 12.5m

**VVQ100-12A-3**

- Cable Length: 3m
- Dimensions: L = 12.5m

**VVQ100-10A-1**

Plug-in unit (VV3Q11) for manifold with multiple connectors

Blank plate with 2 screws and gasket

**VVQ100-10A-2**

Plug lead unit (VV3Q12) for manifold

Blank plate with 2 screws and gasket

#### VV3Q11 For Manifold With Multi-connector

**Option**

- 1: Standard
- 2: DIN rail mounting

#### (D Side End Plate Assembly)

D side end plate assembly part number: VVQ100-3A-

**Option**

- 1: Standard type
- 2: DIN rail mounting

#### (U Side End Plate Assembly)

U side end plate assembly part number: VVQ100-2A-

**DIN Rail Mounting Bracket Assembly**

DIN rail mounting bracket part number: AXT802-1A-

- Mounting direction:
  - D: D side mounting
  - U: U side mounting

Note: The number of manifold stations cannot be changed.

#### How to Order Only DIN Rail

DIN rail part number: AXT100-DR-

- Refer to DIN rail dimension table below and put number into DIN rail. Refer to the manifold dimensions on p.2.9-11 to know L size.

#### L Size Dimensions

- L = 12.5m + 10.5

<table>
<thead>
<tr>
<th>L Size Dimensions</th>
<th>23</th>
<th>35.5</th>
<th>48</th>
<th>60.5</th>
<th>73</th>
<th>85.5</th>
<th>98</th>
<th>110.5</th>
<th>123</th>
<th>135.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 PLUG WAY</td>
<td>1</td>
<td>2 2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>9</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>2 U WAY</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>3 D WAY</td>
<td>148</td>
<td>1605</td>
<td>173</td>
<td>1855</td>
<td>198</td>
<td>2105</td>
<td>223</td>
<td>2355</td>
<td>248</td>
<td>2605</td>
</tr>
<tr>
<td>4 L SIZE</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>5 L SIZE</td>
<td>273</td>
<td>305</td>
<td>328</td>
<td>355</td>
<td>358</td>
<td>380</td>
<td>393</td>
<td>405</td>
<td>418</td>
<td>450</td>
</tr>
<tr>
<td>6 L SIZE</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
</tr>
<tr>
<td>7 L SIZE</td>
<td>398</td>
<td>4105</td>
<td>423</td>
<td>4355</td>
<td>448</td>
<td>4605</td>
<td>473</td>
<td>4855</td>
<td>498</td>
<td>5105</td>
</tr>
</tbody>
</table>

2.9-15