



VT325 Series

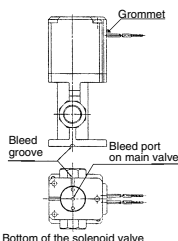
Specific Product Precautions

Be sure to read this before handling the products. Refer to back page 50 for Safety Instructions and pages 3 to 9 for 3/4/5 Port Solenoid Valve Precautions.

⚠ Caution

1. The bottom of the solenoid valve has a breather hole for the main valve. Take proper measures to prevent this hole from being blocked as this will lead to a malfunction.

* Ordinarily, when the solenoid valve is mounted on a metal surface, it can breathe through the breather hole, via the breather groove. However, in particular, if the surface to be mounted is made of the rubber, the rubber could deform and block the hole.



2. Make sure that dust and/or other foreign materials do not enter the valve from the unused port (e.g. exhaust port).

The grommet portion contains a breather hole for the core. Take proper measures to prevent dust or foreign matter from accumulating in this area.

How to Calculate the Flow Rate

For obtaining the flow rate, refer to front matter.

How to Use DIN Terminal

1. Disassembly

- 1) After loosening the screw ①, then if the housing ④ is pulled in the direction of the screw ①, the connector will be removed from the body of equipment (solenoid, etc.).
- 2) Pull the screw ①, and then remove gasket ②a or ②b.
- 3) On the bottom part of the terminal block ③, there's a cut-off part (indication of an arrow) ③a. If a small flat head screwdriver is inserted between the opening in the bottom, terminal block ③ will be removed from the housing ④. (Refer to the figure below.)
- 4) Remove the cable gland ⑤ and plain washer ⑥ and rubber seal ⑦.

2. Wiring

- 1) Pass the cable ⑧ through the cable gland ⑤, washer ⑥, rubber seal ⑦ in this order, and then insert them into the housing ④.
- 2) Dimensions of the cable ⑧ are the figure as below. Skin the cable and crimp the crimped terminal ⑨ to the edges.
- 3) Remove the screw with washer ③c from the bracket ③c. (Loosen in the case of Y shape type terminal.) As shown in the below figure, mount a crimped terminal ⑨, and then again tighten the screw ③c.

Note) Tighten within the tightening torque of 0.5 N·m $\pm$ 15%.

Note: a It is possible to wire even in the state of bare wire. In that case, loosen the screw with washer ③c and place a lead wire into the bracket ③d, and then tighten it once again.

b The maximum size for the round terminal ⑨ is 1.25 mm²—3.5 and for the Y terminal is 1.25 mm²—4.

c Cable ⑧ outside diameter: ϕ 6 to ϕ 12 mm

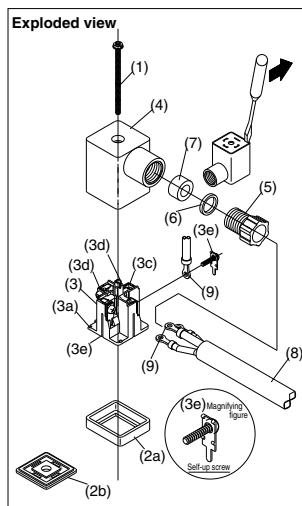
Note) For the one with the outside diameter ranged between ϕ 9 to ϕ 12 remove the inside parts of the rubber seal ⑦ before using.

3. Assembly

- 1) Terminal box ③ connected with housing ④ should be reinstated. (Push it down until you hear the click sound.)
- 2) Putting rubber seal ⑦, plain washer ⑥, in this order into the cable introducing slit on the housing ④, then further tighten the cable gland ⑤ securely.
- 3) By inserting gasket ②a or ②b between the bottom part of the terminal box ③ and a plug on an equipment, screw in ① on top of the housing ④ and tighten it.

Note) Tighten within the tightening torque of 0.5 N·m $\pm$ 20%.

Note: The orientation of a connector can be changed arbitrarily, depending on the combination of a housing ④ and a terminal box ③.



Connector for DIN Terminal

Description	Part no.
DIN connector	GDM2C