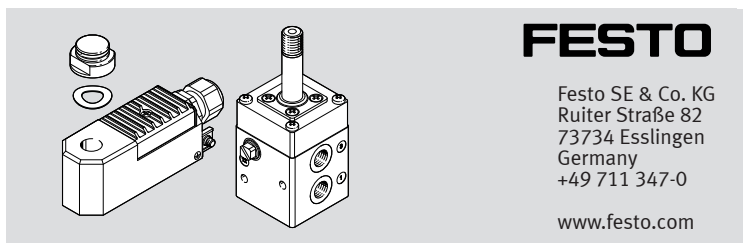


VOFC/VOFD-L12T

Solenoid valve



FESTO

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Assembly instructions

8196572
2023-07b
[8196574]



8196572

Translation of the original instructions

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1 Applicable documents

All available documents for the product → www.festo.com/sp.

2 Safety

2.1 Safety instructions

- Only mount the product on components that are in a condition to be safely operated.
- Clean connecting cables and screw fittings thoroughly before assembly.
- Do not use anti-friction coating or lubricant.
- Do not use additional sealing material such as PTFE sealing band or hemp.
- Prevent accumulation of condensate in the valve.

For outside applications

- Duct exhaust air.
- Use exhaust protection VABD-D3-....

With solenoid coil VACC-S13/-18 (DC variants)

- Take suitable measures for protective circuit to limit peak disconnection voltages.

2.2 Intended use

A solenoid valve is made by combining basic valve [1] and the solenoid coil [2].

3 Additional information

- Accessories → www.festo.com/catalogue.

4 Product Range Overview

4.1 Scope of delivery

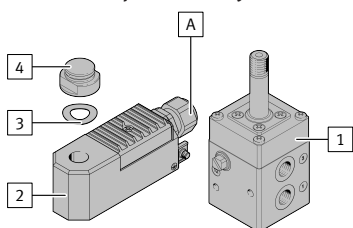


Fig.1

4.2 Not in scope of delivery

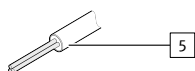


Fig.2

- [1] Basic valve (1x)
VOFC or VOFD-L12T
- [2] optional solenoid coil (1x)
VACC-S13
- [3] Spring washer (1x)
- [4] Vent screw (1x)
- [A] Cable fitting (1x)
M20x1.5

- [5] Cable (1x)
without sheathing,
diameter 7 ... 13 mm

5 Assembly

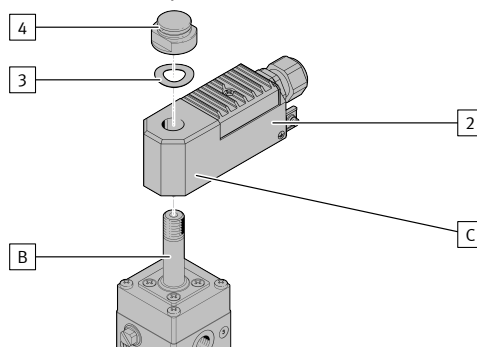


Fig.3

1. Slide solenoid coil [2] onto the armature guide tube [B].
↳ The sealing compound [C] points to the valve body.
2. Slide the spring washer [3] onto the armature guide tube [B].

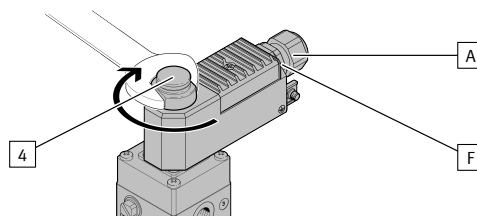


Fig.4

1. Tighten the vent screw [4]. Tightening torque: 5 Nm ± 20 %
2. Unscrew the cable fitting [A]. Apply counter pressure to screw [F].

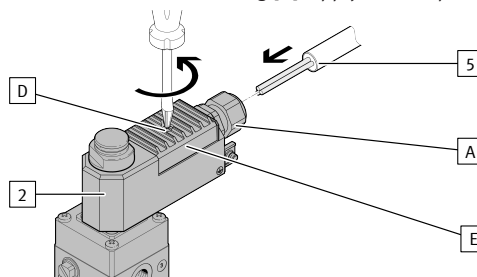


Fig.5

1. Unfasten the screw [D] on the terminal housing.
2. Open the cover [E] of the terminal housing.
3. Guide the cable [5] through the cable fitting (A).
4. Wire the cable [5] to the terminals.
5. Connect the solenoid coil [2] to the local equipotential bonding via the inner or outer protective earth connection.

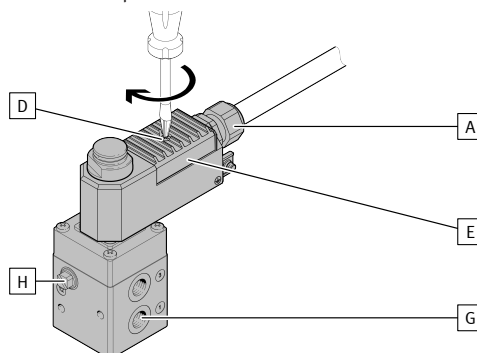


Fig.6

1. Tighten the cable fitting [A]. Tightening torque: 1.5 Nm ± 10 %
2. Close the cover [E] of the terminal housing.
3. Tighten the screw [D]. Tightening torque: 0.65 Nm ± 10 %
4. After assembly, actuate the solenoid valve a few times.

Applicable for solenoid valve VOFC:

- If port 1 [G] is pressurised with a control signal < 2 bar, supply auxiliary energy > 2 bar to port 2 [H].

6 Technical data

The degree of protection of the product may be influenced by using accessories with a lower degree of protection.

Degree of protection in mounted state

VOFC-...-F19	IP65
VOFC-...-P3	IP50
VOFD-L12T	IP65

Tab. 1: Technical data