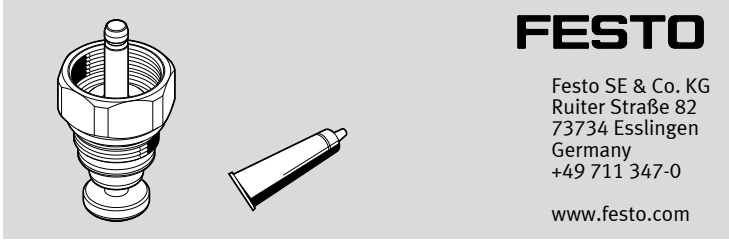


VAVC-F12-SCC
Cover kit



Assembly instructions

8143677
2020-11a
[8143679]



Translation of the original instructions

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1 Applicable documents

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

Documents	Product	Table of contents
Operating instructions	Piston drive DFPK	–

Tab. 1

2 Safety

2.1 Safety instructions

– Only mount the product on components that are in a condition to be safely operated.

2.2 Intended use

Enables a valve block solution in combination with piston drives DFPK. The manifold block required for this acts as a valve housing.

3 Additional information

- Spare parts → www.festo.com/spareparts.
- Dimensional drawing of manifold block [4] → www.festo.com/sp (expert knowledge)

4 Product Range Overview

4.1 Scope of delivery

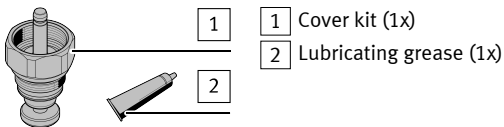


Fig. 1

4.2 Not in scope of delivery

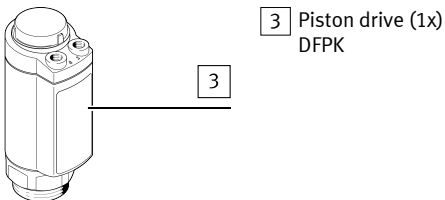


Fig. 2

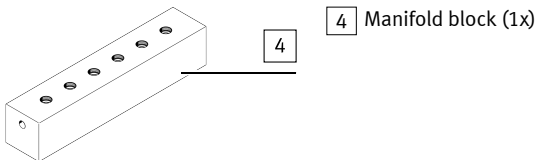


Fig. 3

5 Assembly

5.1 Preparation

- Manufacture manifold block [4] → 3 Additional information.

5.2 Assembly

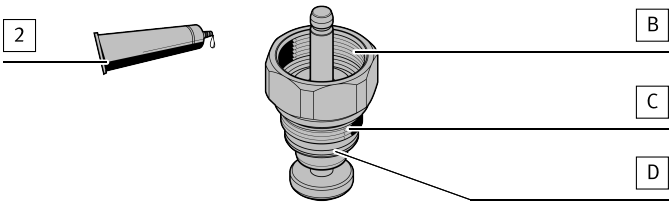


Fig. 4 Grease cover kit

1. Apply lubricating grease [2] to thread [B].
2. Apply lubricating grease [2] to thread [C].
3. Apply lubricating grease [2] to seal [D].

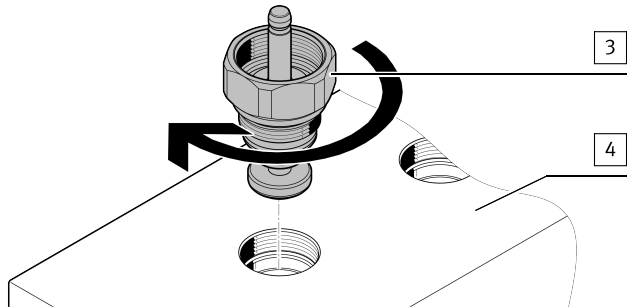


Fig. 5 Assembling cover kit

- Screw cover kit [1] into manifold block [4]. Tightening torque: 70 Nm ± 10%

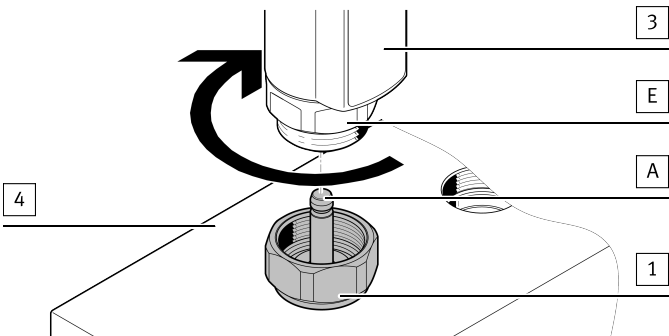


Fig. 6 Mounting piston drive on cover kit

1. Push spindle [A] completely into the manifold block [4].
2. Extend actuator stem.
 - Double-acting version:
Pressurise connection (4) slowly. Pressure: 0.3 MPa; 43.5 psi; 3 bar
 - Version with control function N/O:
Pressurise connection (2) slowly. Pressure: 0.3 MPa; 43.5 psi; 3 bar
 - Version with control function N/C:
Exhaust piston drive [3].
3. Place piston drive [3] on cover kit [1].
4. Screw in interface screw [E]. Tightening torque: 50 Nm ± 10%
5. Shut off operating pressure.

5.3 Turning actuator

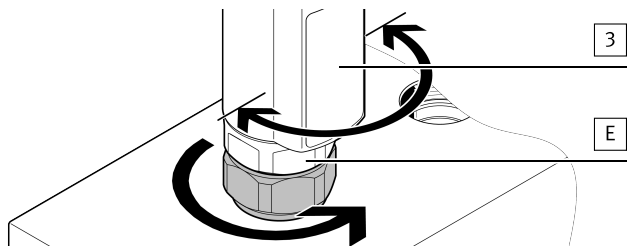


Fig. 7 Turning actuator

1. Loosen interface screw [E] (max. ½ turn).
2. Rotate piston drive [3] to desired position.
3. Screw in interface screw [E]. Tightening torque: 50 Nm ± 10%

6 Disassembly

The piston drive [3] can be removed from the cover kit [1] without removing the cover kit from the manifold block [4].

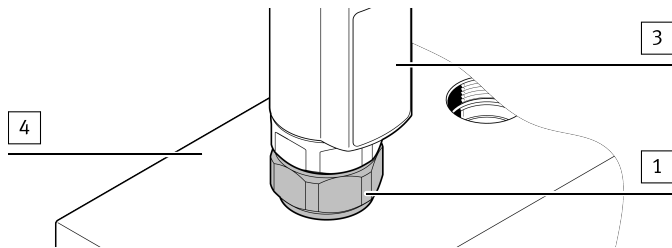


Fig. 8 Decommissioning the valve

1. Depressurise piping.
2. Allow cover kit [1] to cool down.
3. Secure the piston drive [3] from falling and slipping with suitable equipment.

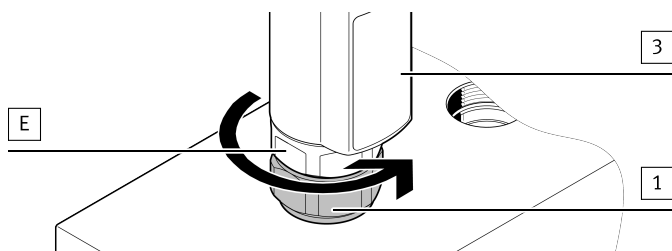


Fig. 9 Demounting actuator

1. Extend actuator stem.
 - Double-acting version:
Pressurise connection (4). Pressure: 0.3 MPa; 43.5 psi; 3 bar
 - Version with control function N/O:
Pressurise connection (2). Pressure: 0.3 MPa; 43.5 psi; 3 bar
 - Version with control function N/C:
Exhaust piston drive [3].
2. Unscrew interface screw [E].
3. Remove piston drive [3] from the cover kit [1].
4. Shut off operating pressure.