

EPC700 Air 3/2-Way Valve

Prior to installation and assembly, make sure you have read and understood the “Supplemental Directives” and “Safety” chapters in the User Manual for the corresponding basic unit (EPC710, EPC720, or EPC730).

Intended Use

The EPC700 Air 3/2-Way Valve (also the “valve” or “product”) is a 3/2-way valve for controlling an external pneumatically powered pump or an external pneumatically activated valve. The following uses are possible:

- Cleaning the sensor bulb in a fitting via an external pump or external valve
- Steam sterilization of the cleaning chamber and the sensor bulb in a hygienic retractable fitting via an external valve

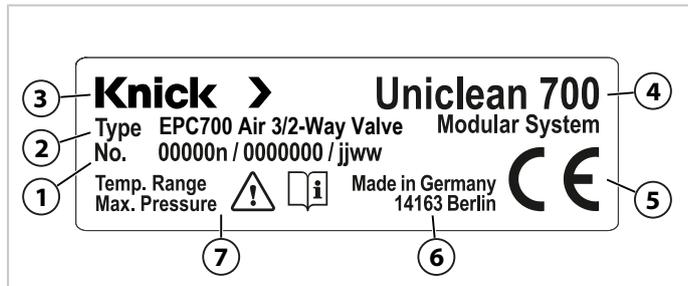
Use of the product is only permitted in compliance with the operating conditions stated in the Specifications.

Package Contents

- EPC700 Air 3/2-Way Valve
- Compressed air hose, black, Ø 6 mm
- Installation Guide

Nameplate

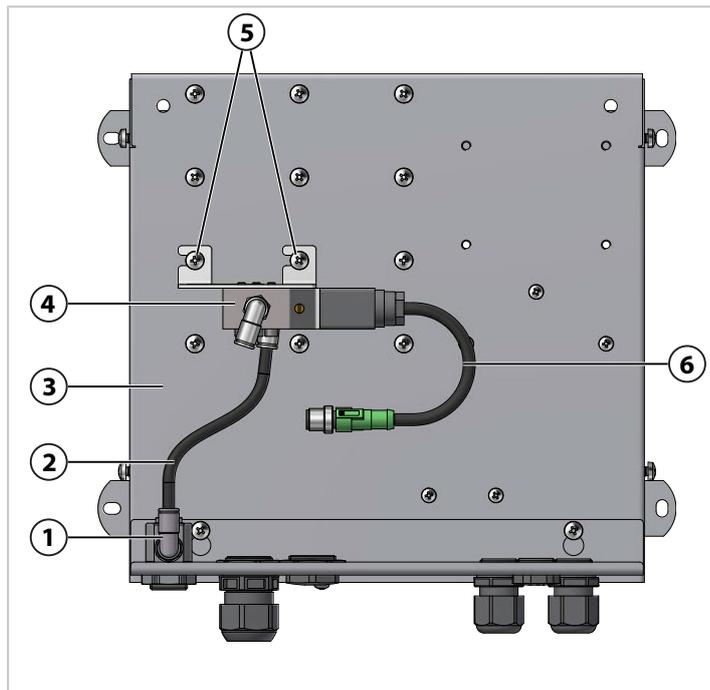
The product is identified by a nameplate.



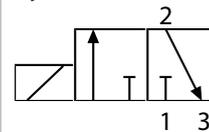
- 1 Item number, serial number, year/month
- 2 Model designation
- 3 Manufacturer
- 4 Product family
- 5 CE mark
- 6 Manufacturer address
- 7 For temperature range and max. operating pressure, see Specifications

Installation

Use the mounting locations on the left-hand side of the base plate. The following figure shows the recommended mounting location.



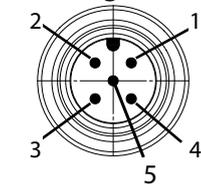
Symbol



Connections

- 1 Compressed air supply
- 2 Output to the fitting
- 3 Muffler

Pin assignments



M12 connector

Pin Function

- | Pin | Function |
|-----|----------------------------------------|
| 1 | Not used |
| 2 | Not used |
| 3 | GND reference potential |
| 4 | Valve switches when 24 V DC is applied |
| 5 | PE protective conductor |

⚠ CAUTION! Risk of injury due to uncontrolled movement of the compressed air hoses. Disconnect the compressed air supply before installing/removing the compressed air hoses.

01. Push the black compressed air hose Ø 6 mm **(2)** fully into connection 1 of the valve **(4)**.
02. Loosen the screws **(1)** and fasten the valve **(2)** to the base plate **(3)** (see figure).
Note: All screws are pre-installed on the base plate.
03. Shorten the black compressed air hose Ø 6 mm **(2)** to a suitable length and push it fully into the push-in connector **(1)** on the compressed air distributor.

Specifications

Compressed Air Supply

Quality of compressed air according to ISO 8573-1:2010	Quality class 7:2:4, free of aggressive constituents
Operating pressure	3 ... 10 bar (43.5 ... 145 psi)
Connection	Push-in fitting for hose diameter 6 mm
Flow	Max. 360 l/min

Electrical Power Supply

Operating voltage	24 V DC ± 10 %
Current consumption	Approx. 175 mA
Connection	M12 connector, straight, 5-pin, A coding, free cable length approx. 175 mm
De-energized valve position	De-energized closed (NC)

Ambient Conditions

Transport/storage temperature	-20 ... 70 °C (-4 ... 158 °F)
Ambient temperature	-10 ... 70 °C (14 ... 158 °F)
Relative humidity	5 ... 95 %, not condensing

General

Dimensions	Approx. 45 × 124 × 88 mm (1.77 × 4.88 × 3.47")
Weight	Approx. 0.28 kg
Valve body material	Anodized aluminum
Installation	Fixing bracket, stainless steel A2
Connector protection according to EN 60529	IP65

