

EPC700 Air 5/2-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 5/2-Way Valve (also the “valve” or “product”) is a 5/2-way valve for pneumatic control of a retractable fitting to the PROCESS or SERVICE position.

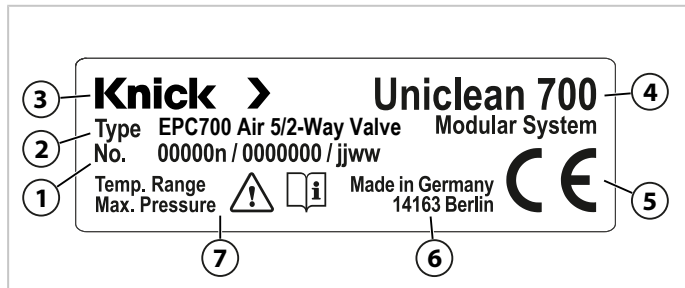
Use of the product is only permitted in compliance with the operating conditions stated in the Specifications.

Package Contents

- EPC700 Air 5/2-Way Valve
- Compressed air hose, black, Ø 6 mm
- Installation Guide

Nameplate

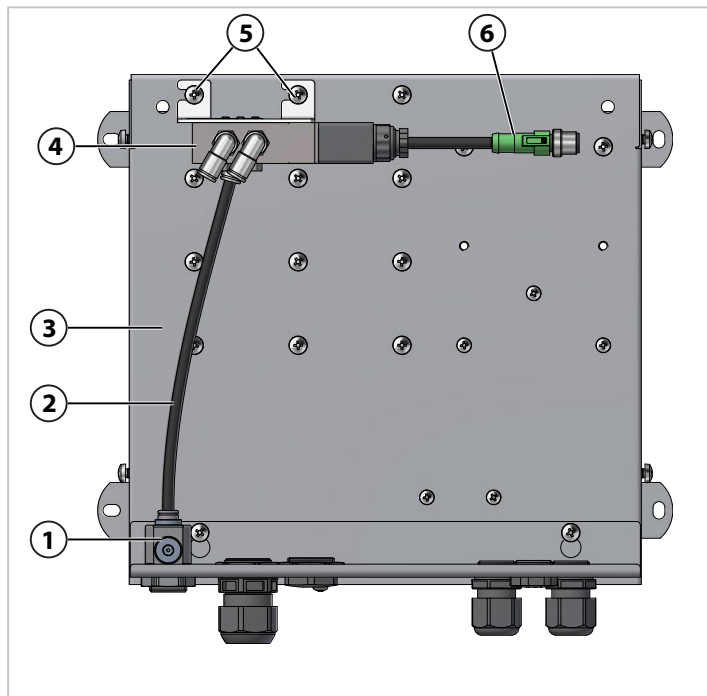
The product is identified by a nameplate.



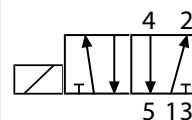
- 1 Item number, serial number, year/month
- 2 Model designation
- 3 Manufacturer
- 4 Product family
- 5 CE mark
- 6 Manufacturer address
- 7 For temperature range and max. operating pressure, see Specifications

Installation

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



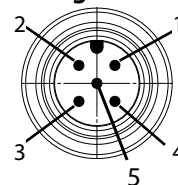
Symbol



Connections

- 1 Compressed air supply
- 2 Drive SERVICE position
- 3 Muffler
- 4 Drive PROCESS position
- 5 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 **(5)** and fasten the valve **(4)** 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.
04. Insert the M12 connector **(6)** into an M12 socket on the valve connection box, the program module, or an extension cord (see Installation Guide for EPC700 Valve Connection Box or EPC700 Module A).

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	Monostable (passage connection 1 to 2 and 4 to 5)

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. 0.35 kg
Valve body material	Anodized aluminum
Installation	Fixing bracket, stainless steel A2
Connector protection according to EN 60529	IP65

