

EPC700 Water 2/2-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 Water 2/2-Way Valve (also the “valve” or “product”) is a 2/2-way valve for controlling water rinsing of a fitting. The following uses are possible:

- Cleaning the sensor bulb in a retractable fitting
- Filling the cleaning chamber of a retractable fitting
- Filling the wetting cup of a static fitting

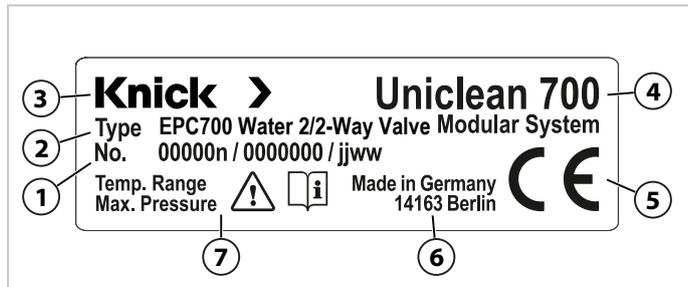
Use of the product is only permitted in compliance with the operating conditions stated in the Specifications.

Package Contents

- EPC700 Water 2/2-Way Valve, incl. installed inlet hose
- Installation Guide

Nameplate

The product is identified by a nameplate.



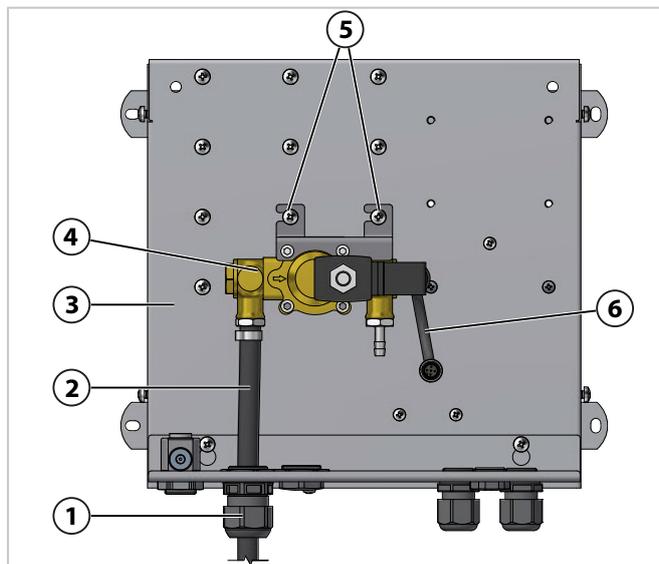
- 1 Item number, serial number, year/month
- 2 Model designation
- 3 Manufacturer
- 4 Product family
- 5 CE mark
- 6 Manufacturer address
- 7 For temperature range and max. operating pressure, see Specifications

Installation

Drinking Water Connection

If the EPC700 Water 2/2-Way Valve is connected to the drinking water supply, impurities caused by the rinse and process media may occur. Note the information in EN 1717. Install a suitable check valve at the water or rinse connection.

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



Symbol	Connections
	1 Water inlet 2 Water hose to the fitting
Pin assignments	
M12 connector	
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

01. Feed the black inlet hose \varnothing 13 mm **(2)** through the cable gland **(1)** and connect the water supply.
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. 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

Water Supply

Water quality	Filtered, 100 μ m
Operating pressure	0.5 ... 16 bar (7.3 ... 232 psi)
Temperature	5 ... 80 °C (41 ... 176 °F)
Connection	G $\frac{1}{4}$ " female thread, nozzle for hose DN 6
Flow	Max. 64 l/min

Electrical Power Supply

Operating voltage	24 V DC \pm 10 %
Current consumption	Approx. 420 mA
Connection	M12 connector, straight, 5-pin, A coding, free cable length approx. 175 mm

Ambient Conditions

Transport/storage temperature	-20 ... 70 °C (-4 ... 158 °F)
Ambient temperature	5 ... 50 °C (41 ... 122 °F)
Relative humidity	5 ... 95 %, not condensing

General

Dimensions	Approx. 97 × 130 × 113 mm (3.82 × 5.12 × 4.45")
Weight	Approx. 0.78 kg
Valve body material	Brass
Installation	Fixing bracket, stainless steel A2
Connector protection according to EN 60529	IP65

