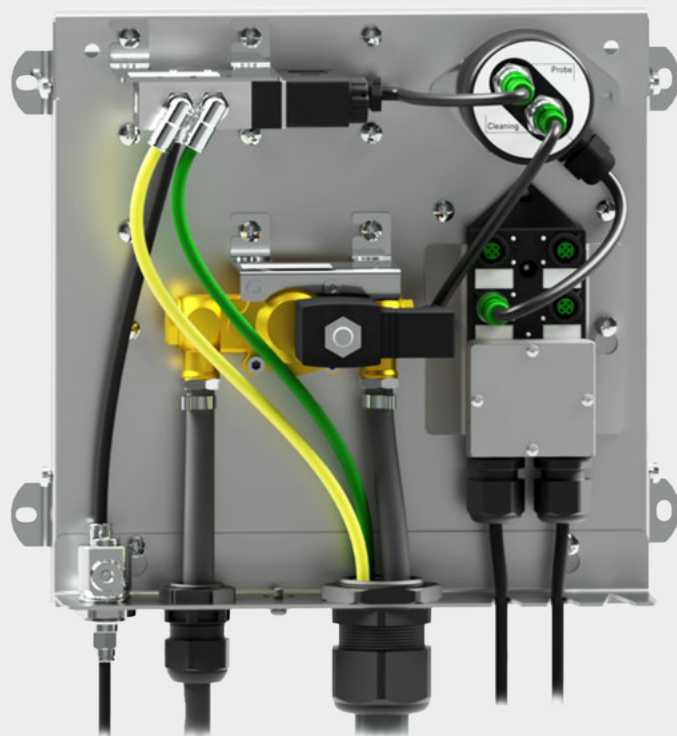


Uniclean 710/720/730

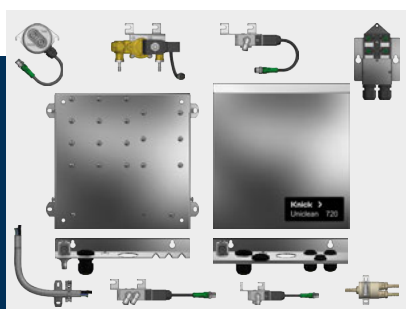
Uniclean 700 series – Modular, electro-pneumatic controller for automated sensor cleaning in measuring loops



Configurable sensor cleaning with up to 3 rinsing media (water, air, or chemical cleaning agent) in static fittings or retractable fittings.

The modules control retractable fittings with a pneumatic or hydraulic drive unit. The rinse process can be triggered by a simple switch signal (relay contact at transmitter or pushbutton). A more complex process automation can be implemented using the intuitively operated time control of the Stratos Multi E401N transmitter.

EPC710 version for installation in own protective cabinet, EPC720 including cover for protection against splash water, EPC730 in a weather-proof protective enclosure.



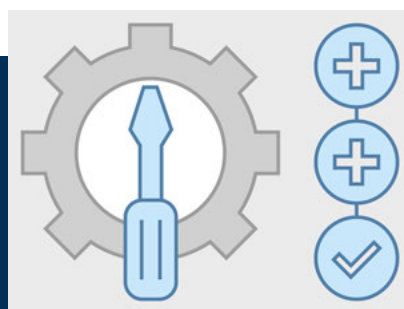
Modularity

- Customized solution in accordance with customer requirements
- Simple conversion for process changes



Flexibility

- For operation with static fittings or retractable fittings
- Control of cleaning processes possible with or without transmitter



Fast commissioning

- Economical solution for automated sensor maintenance
- Modules can be installed in just a few steps

Product Code

Control and Cleaning System		EPC710/720/730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Explosion protection / Approval	Without approval		N	N															
Enclosure material	Stainless steel A2 (EPC710, EPC720)	S																	
	Stainless steel A2, powder coated (EPC730)	C																	
Electrical valve connection	Individual valves with M12 plug	0																	
	Valve connection box with screw terminals	1																	
Valve 1 function	Retractable fitting 5/2-way pneumatic valve	P																	
	Water rinsing 2/2-way valve	W	0/L/V																
	Compressed air purging 2/2-way valve	L																	
	Control valve 3/2-way pneumatic valve	V																	
	Without	0																	
Valve 2 function	Water rinsing 2/2-way valve		W																
	Compressed air purging 2/2-way valve		L																
	Control valve 3/2-way pneumatic valve		V																
	Without		0																
Valve 3 function	Compressed air purging 2/2-way valve								L										
	Control valve 3/2-way pneumatic valve								V										
	Without								0										
Hose configuration	Without hoses									0	0	0							
	Single hoses in sheath (4x pneumatic (PA), 1x water (EPDM)) Length: 5 m									A	0	5							
	Single hoses in sheath (4x pneumatic (PA), 1x water (EPDM)) Length: 10 m									A	1	0							
Add-on function	Without												0	0	-				
	Program module A												0	A	-				
Special version	Without															-	0	0	0

Note: All components are also available separately. Specifications upon request.

Accessories

Check valve	RV01
Pipe-mount kit	ZU0601
Chemical pump	ZU0741
Valve for chemical cleaners	ZU0876
Connector for rinsing media	ZU1182
Stratos Multi E401N with Unclean EPC700 control function, digital basic unit, multiparameter, 1-channel ¹⁾	E401N.040

¹⁾ Can only be ordered in conjunction with Unclean 700 basic unit

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	Max. 10 bar (max. 145 psi)
Connection	G¼" female thread

Water Supply

Water quality	Filtered, 100 µm
Operating pressure	0.5... 16 bar (7.3... 232 psi)
Temperature	5... 80 °C (41... 176 °F)
Connection (at valve)	G¼" female thread, insert for hose DN 6

Electrical Power Supply

Operating voltage	24 V DC ± 10 %
Current consumption	Max. 1 A, less dependent on version
Connection	Screw terminal for rated cross-section of up to 1.5 mm ²

Ambient Conditions

Transport/storage temperature	-20... 70 °C (-4... 158 °F)
Ambient temperature	-10... 70 °C (14... 158 °F) When using a water valve: 5... 50 °C (41... 122 °F)
Relative humidity	5... 95 %, not condensing

General

Base plate dimensions (W × H × D)	Approx. 275 × 310 × 40 mm (10.83 × 12.20 × 1.57")
EPC710 dimensions, mounted (W × H × D)	Approx. 275 × 310 × 98 mm (10.83 × 12.20 × 3.86")
EPC720 dimensions, mounted (W × H × D)	Approx. 294 × 310 × 166 mm (11.57 × 12.20 × 6.53")
EPC730 dimensions, mounted (W × H × D)	Approx. 310 × 310 × 193 mm (12.20 × 12.20 × 7.60")
Base plate weight	Approx. 1.6 kg
Material	Stainless steel A2
Assembly	Wall or pipe mounting
Degree of protection in accordance with EN 60529 (mounted enclosure)	EPC710: without degree of protection EPC720: IP43 EPC730: IP65

Conformity

EMC	EN IEC 61326-1
Immunity to interference	Industrial applications
Emitted interference	Class A (industrial applications) This equipment is not designed for domestic use, and is unable to guarantee adequate protection of the radio reception in such environments.
RoHS conformity	Acc. to EU directive 2011/65/EU

Application Example

104576 TB-300.661-KNEN02 2025-07-01

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Subject to change.