



Type 0121 can be combined with...



**Type 2508**

Cable plug



**Type 1078**

Timer control

The 0121 valve is a direct-acting, media-separated pivoted armature valve. It is available in 3/2- and 2/2-way versions. As a 3/2-way version, it can be used as a distributor or mixing valve. Various diaphragm material combinations and methods of operation are available depending on the application. The housing offering includes stainless steel (316L), PTFE, and PVC versions. The solenoid coils are moulded with a chemically resistant epoxy. The 0121 is equipped with manual override for commissioning and testing. For reduced energy requirements, all coils can be delivered with electronic power reduction or as an impulse version. The switching status can be indicated with position feedback as a binary or NAMUR signal. In combination with a plug in accordance with DIN EN 17301-803 Form A, the valves satisfy protection class IP65/67 – in combination with a stainless steel or plastic housing NEMA 4X.

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##### Explosion proof version

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## 2/2- and 3/2-way solenoid valve for aggressive fluids

- Direct-acting, media-separated valve with diameter of up to DN 8
- Maintenance-free pivoted armature technology
- Vibration-proof, block screwed coil system
- Service-friendly, durable manual override
- Explosion proof version

Technical data	
<b>Orifice</b>	DN2.0 to 8.0
<b>Available housing materials</b>	PTFE PVC (resistant acc. to DIN 8062, 8061) PP (Polypropylen) PVDF Stainless steel 1.4401
<b>Seal materials</b>	FKM / FFKM / EPDM
<b>Medium</b>	
for FKM	Oxydizing acids and substances, hot oils with additives, salt solutions, waste gases
for FFKM	Aggressive fluids, hot air, hot oils, Aromate, ether, Esther, ketones (please note Bürkert chemical resistance chart). Alkalis, acids up to medium concentration, alkaline washing- and bleaching lyes
for EPDM	
<b>All Materials</b>	For more detailed information please consult the resistance chart
<b>Medium temperature for body material PVDF oder PP</b>	EPDM: -30 to +70 °C FKM: -10 to +70 °C FFKM: -10 to +70 °C
<b>Medium temperature for body material PTFE or VA</b>	EPDM: -30 to +90 °C FKM: -10 to +90 °C FFKM: -10 to +90 °C
<b>Medium temperature for body material PVC</b>	EPDM: -30 to +50 °C FKM: -10 to +50 °C FFKM: -10 to +50 °C
<b>Ambient temperature</b>	Max. +50 °C
<b>Viscosity</b>	Max. 37 mm <sup>2</sup> /s
<b>Voltages</b>	24 V 50 Hz; 110 V 50 Hz; 230 V 50 Hz; 120 V 60 Hz; 240 V 60 Hz; 12 V DC; 24 V DC; (Further voltages on request)
<b>Voltage tolerance</b>	+/- 10%
<b>Cycling rate</b>	max. 100/min with AC max. 10/min for UC (high-capacity electronic)
<b>Duty cycle for VA</b>	100%
<b>Duty cycle bei PVDF, PP and PTFE</b>	40% ED (60% intermittent operation) in 10 min bei 8 W-version 100% ED for 5 W-version or high-capacity electronic
<b>Duty cycle for PVC</b>	with PVC 10% ED (10 min) 100% ED for version with high-capacity electronic