



Specifications

Model name : Solenoid valve

Model No. : SV0016-N-FKM Rev. 0

(one tube connector / FKM)

Reception sign

Custom Valves GmbH & Co. KG



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| Overview | Drawings | Enclosed are - drawing SV0016-K4 Rev. 0 | |
| | Type | Solenoid valve with one tube connector for dialysis machines | |
| | Construction | 2/2-way single chamber straight valve direct acting | |
| | Function | NC (normally closed) | |
| | Fitting position | any | |
| | Height | 71 mm | |
| | Width | 43 mm | |
| | Depth | 36 mm | |
| | Life | 50,000,000 switching cycles | |
| | Valve | Media | Water Dialysis fluid Sodium hypochlorite Peracetic acid Citric acid Acetic acid (also for undiluted disinfection fluids) |
| T-Medium | | Water : 5 - 95 °C Dialysis fluid : 5 - 45 °C Sodium hypochlorite : 5 - 65 °C Peracetic acid : 5 - 65 °C Citric acid : 5 - 90 °C Acetic acid : 5 - 65 °C | |
| T-Ambient | | 80 °C max. | |
| DN | | 3.7 mm | |
| Kv-value | | 2,5 l/min @ 1 bar | |
| Viscosity | | < 20 cps | |
| p-Operating | | 3.0 bar max. from either direction | |
| Switching time | | < 30 msec | |
| Coil | | Nominal voltages | 24 V DC |
| | | Voltage tolerance | ±10 % |
| | Duty cycle | 100 % | |
| | Nominal power | 9.2 Watt | |
| | Protection Type | IP65 (besides the tabs) | |
| | Coil connections | Flat tabs 6,3 x 0,8 mm | |
| | Insulation class | H | |

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|-------------------------|-----------------------------|---------------------------|
| | Protection class | III |
| Materials | Valve body | PPSU |
| | Bellow | Modified PTFE |
| | Seal / Diaphragm and O-ring | FKM |
| Tube nozzles connectors | In/ Out | See enclosed drawing |
| ISO 10993-1 | Cytotoxicity | Pass (see Note #1) |
| | Sensitization | Pass (see Note #1) |
| | Irritation | Pass (see Note #1) |
| | Systemic toxicity | Pass (see Note #1) |
| | Heamocompatibility | Pass (see Note #1) |
| packaging | As sea freight | |
| | As air or land transport | |

Note #1: A test report regarding cytotoxicity can be supplied but with blackened material types because this is proprietary know how.