



## **Specifications**

**Model name : Solenoid valve**

**Model No. : SV0018-N Rev. 0**

**(double tube connector / EPDM/ low flow resistance)**

Reception sign

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Overview	Drawings	Enclosed are - drawing <i>SV0018-K Rev. 0</i>	
	Type	Solenoid valve with two tube connectors for dialysis machines/ low flow resistance	
	Construction	2/2-way single chamber straight valve direct acting	
	Function	NC (normally closed)	
	Fitting position	any	
	Height	<b>71 mm</b>	
	Width	<b>59 mm</b>	
	Depth	<b>36 mm</b>	
	Life	<b>10,000,000</b> switching cycles	
	Valve	Media	<b>Water</b> <b>Dialysis fluid</b> <b>Sodium hypochlorite</b> <b>Peracetic acid</b> <b>Citric acid</b> <b>Acetic acid</b> <b>(also for undiluted disinfection fluids)</b>
T-Medium		<b>Water : 5 - 95 °C</b> <b>Dialysis fluid : 5 - 45 °C</b> <b>Sodium hypochlorite : 5 - 65 °C</b> <b>Peracetic acid : 5 - 65 °C</b> <b>Citric acid : 5 - 90 °C</b> <b>Acetic acid : 5 - 65 °C</b>	
T-Ambient		80 °C max.	
DN		<b>3.7 mm</b>	
Kv-value		<b>4,3 l/min @ 1 bar</b>	
Viscosity		< 20 cps	
p-Operating		2.5 bar max. from either direction	
Switching time		< 30 msec	
Coil		Nominal voltages	24 V DC
		Voltage tolerance	±10 %
	Duty cycle	100 %	
	Nominal power	<b>9.2 Watt</b>	
	Protection Type	<b>IP65 (besides the tabs)</b>	
	Coil connections	Flat tabs 6,3 x 0,8 mm	
	Insulation class	H	

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	Protection class	III
Materials	Valve body	<b>PPSU</b>
	Bellow	Modified PTFE
	Seal / Diaphragm and O-ring	<b>EPDM</b>
Tube nozzles connectors	In/ Out	See enclosed drawing
ISO 10993-1	Cytotoxicity	<b>Pass (see Note #1)</b>
	Sensitization	<b>Pass (see Note #1)</b>
	Irritation	<b>Pass (see Note #1)</b>
	Systemic toxicity	<b>Pass (see Note #1)</b>
	Heamocompatibility	<b>Pass (see Note #1)</b>
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.**