



Specifications

Model name : Solenoid valve

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

(double tube connector / FKM/ low flow resistance)

Reception sign

Custom Valves GmbH & Co. KG



Overview	Drawings	Enclosed are - drawing SV0018-K Rev. 0	
	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	71 mm	
	Width	59 mm	
	Depth	36 mm	
	Life	10,000,000 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		4,3 l/min @ 1 bar	
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	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.