

High flow pressure compensated proportional Valve

Designed primarily for mixing and dosing of gases in ventilation, respiratory, anesthesia and analytical instruments



Specifications

		Unit	Specification
Number of ways / Function			2/2 NC proportional
Type of acting			Direct acting
Connection			Cartridge
Orifice size	1-->2	mm	4.5
Media			Air, neutral gas, Oxygen
Material in contact with media	Base		DIN 1.4305, 1.4105
	Seals		NBR
Nominal Pressure		bar	2
Operating Pressure Range		Bar	0 - 6
Back pressure		bar	10% of inlet pressure
Temperature range	Storage	°C	-10° to +70°
	Ambient	°C	5° to +50°
	Media	°C	5° to +50°
Flow factor kv		l/min	4.5
Flow Rate @ 2 bar		slpm	180
Internal leakage		ml/min	< 0.6 (*)
External leakage		ml/min	< 0.6 (*)
Current		mA	207 @ 12V DC nominal voltage
Nominal voltage @ 20°C		V	12V DC
Nominal power		W	2.5
Resistance		Ohm	58 for 12VDC
Duty cycle			100% ED
Life expectancy			100 million cycles (with triangular signal)
Flying leads		mm	L = 200 ± 5
Protection			IP 51 (*)

* Other on request

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