



High Speed Proportional Regulator

QKL-HS4、HS5



Features

QKL-HS5 is 3-way electronic pressure regulators. It consists of proportional solenoid, pressure transducer, intelligent electronics, and a refined spool. It features high flow rate, extremely fast pressure switching time, high accuracy, and compatible with oxygen and hydrogen gas. Using the powerful in-house software, the control parameter can be customized that allows user to build unique pressure profile. It is available with analogue and digital command signal.

Specifications

Type	QKL-HS4	QKL-HS5	
Valve Type	3/2 Directly actuated seating valve		
Materials	Body brass or Aluminum, Mandrel stainless steel		
Seals	FKM		
Wetted Materials	Aluminum, Brass, Stainless steel, Viton(oxygen gas compatible), FFKM		
Port	G1"	G 1"1/2	
Input Pressure(bar)	1.2 Times Output Pressure		
Output Pressure(bar)	*0 – 50		
Power Supply	DC24V ±10% (≤20W)		
Input Signal	0-10V / 4-20mA/ RS485		
Monitor Output	0-10V / 4-20mA / RS485		
Flow Rate	7,000 L/min@40bar	20,000 L/min@40bar	
Medium	Harmless gases, air, free of oil, condensate-free, hydrogen gas, oxygen(adiabatic compressor test performed)		
Recommended Filter	50 μm		
IP Degree of protection	IP 40		
Ambient Temperature	0 – 40 °C	Hysteresis	< 0.5 % FS
Temperature of medium	0 – 40 °C	Response Sensitivity	< 0.5 % FS
Operating Temperature	0 – 50 °C	Linearity	< 0.5 % FS
Temperature Drift	< 1 % / 10K	Repeatability	< 0.5 % FS
Long-term Drift	< 1 % FS/Year		

*Please contact us for customized pressure range.