



# 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	70,000 L/min@40bar		200,000 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.