



高速压力比例阀

High Speed Proportional Regulator

QKL-HS4、HS5

产品特点 Features



QKL-HS 系列是一款三通电子压力比例阀。它系由电磁阀、压力传感器、精细研磨的阀芯和及电子回路控制所组成。该系列具有流量大、压力切换时间极快、精度高、与氧气和氢气兼容的特点。使用我们自行开发的内部软件，可以自定义控制参数，允许用户建立独特的压力曲线，且它可用于仿真和数字命令信号。

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.

产品规格 Specifications

系列 Type	QKL-HS4		QKL-HS5	
阀门类型 Valve Type	3 口 2 位直动式驱动 3/2 Directly actuated seating valve			
材料 Materials	本体黄铜或铝合金、轴心不锈钢 Body brass or Aluminum, Mandrel stainless steel			
密封圈 Seals	氟橡胶 FKM			
接液材质 Wetted Materials	铝合金、黄铜、不锈钢、氟橡胶(氧气相容)、全氟橡胶 Aluminum, Brass, Stainless steel, Viton(oxygen gas compatible), FFKM			
口径 Port	G1"		G 1"1/2	
入气压力 Input Pressure(bar)	输出压力的 1.2 倍 1.2 Times Output Pressure			
输出压力 Output Pressure(bar)	*0 – 50			
工作电源 Power Supply	DC24V ±10% (≤20W)			
输入讯号 Input Signal	0-10V / 4-20mA/ RS485			
监控信号 Monitor Output	0-10V / 4-20mA / RS485			
流量 Flow Rate	70,000 L/min@40bar		200,000 L/min@40bar	
介质 Medium	无害气体、一般空气、无油气体、无冷凝物气体、 氢气、氧气(通过绝热压缩测试) Harmless gases, air, free of oil, condensate-free, hydrogen gas, oxygen(adiabatic compressor test performed)			
建议过滤器 Recommended Filter	50 μm			
防护等级 IP Degree of protection	IP 40			
环境温度 Ambient Temperature	0 – 40 °C	迟滞 Hysteresis		< 0.5 % FS
介质温度 Temperature of medium	0 – 40 °C	最小移动量 Response Sensitivity		< 0.5 % FS
操作温度 Operating Temperature	0 – 50 °C	线性 Linearity		< 0.5 % FS
温度飘移 Temperature Drift	< 1 % / 10K	重复性 Repeatability		< 0.5 % FS
长期飘移 Long-term Drift	< 1 % FS/年 Year			

*如需订制特别压力范围，请洽询本公司 Please contact us for customized pressure range.