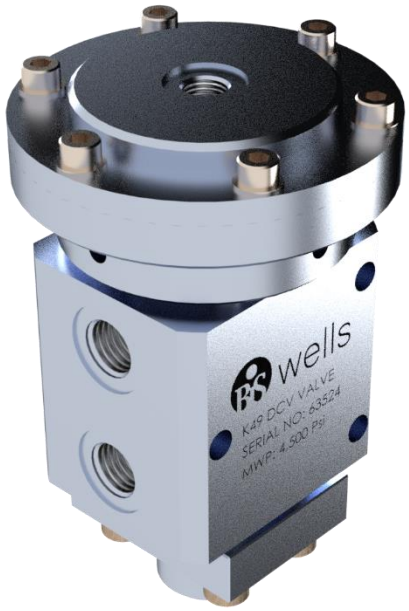
Directional Control Valves. Pilot Operated.

A range of valves designed to provide a means of operating high-pressure fluid systems using a normal 'factory / shop' air supply. (Approximately 5 ~ 8 bar). The low-pressure service operates on a large diaphragm and is completely isolated from the high-pressure system.

2 Ported Valves – These pilot operated valves actuate between 4.2 ~ 8 bar (60 ~ 120 psi). The pilot is used to operate a valve capable of controlling both gas and liquid to pressures up to 450 bar (6,500 psi). These valves range from 6.35mm (1/4") orifice diameter to 12.7mm (1/2") orifice diameter. These valves are offered in both balanced poppet and pressure biased designs. As well as normally closed and normally open versions.

3 Ported Valves – These pilot operated valves actuate between 4.2 ~ 8 bar (60 ~ 120 psi). The pilot is used to operate a valve capable of controlling both gas and liquid to pressures up to 414 bar (6,000 psi). These valves range from 1.6mm (0.062") orifice diameter to 12.7mm (1/2") orifice diameter. 3 ported valves are offered in both balanced poppet and pressure biased designs. As well as normally closed and normally open versions. Balanced valves can be used in any 'universal' configuration.



K49 3 ported valve with balanced poppet

2 Ported Valves

Valve	Orifice	Ports	Pressure bar (psi)		Gas or Liquid
Type	mm (ins)	(standard)	Pilot Pressure	Inlet Pressure	
K38	6.35 (0.250)	3/8" BSP	4.2~8.3 (60~120)	450 (6500)	Both
K39	9.5 (0.375)	3/4" BSP	5.5~8.3 (80~120)	450 (6500)	Both
K39S	12.7 (0.500)	3/4" BSP	4.2~8.3 (60~120)	450 (6500)	Both
K55	9.5 (0.375)	1/2" BSP	5.5~8.3 (80~120)	450 (6500)	Both
K55S	12.7 (0.500)	1/2" BSP	4.2~8.3 (60~120)	450 (6500)	Both

3 Ported Valves

Valve	Orifice	Ports	Pressure bar (psi)		Gas or Liquid
Type	mm (ins)	(standard)	Pilot Pressure	Inlet Pressure	
K47	1.6 (0.062)	1/4" BSP	4.2~8.3 (60~120)	415 (6000)	Both
K48	3.2 (0.125)	1/4" BSP	4.2~8.3 (60~120)	415 (6000)	Both
K49	12.7 (0.500)	3/8" BSP	4.2~8.3 (60~120)	310 (4500)	Both