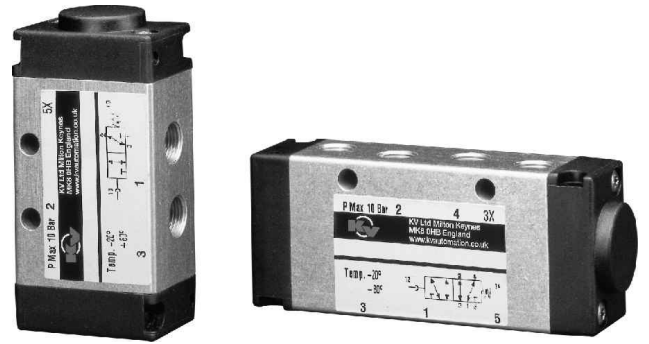


KVF

Air Actuated Spool Valves

G1/8, G1/4

3/2, 5/2, 5/3



Features:

- ◆ General purpose spool valves
- ◆ Media - compressed air and neutral gases
- ◆ Mounting - body ported or manifold

Materials:

Body:	Aluminium
Spool:	Aluminium
Seals:	Nitrile
Endcaps:	Glass filled polyester
Springs:	Stainless steel
Seal spacers:	PPS

Technical Specifications:

Function:	3/2, 5/2, 5/3
Port connections:	G1/8, G1/4
Main pressure range:	-1 bar min +10 bar max
Lubrication:	Dry or lubricated
Filtration:	40µm
Temperature range:	-20°C min +80°C max
Additional information:	See tables

Part Number	Port connection	Function	Actuation	
			'I'	'O'
KVF843	G1/8	3/2	Air	Spring
KVF863	G1/4	3/2	Air	Spring
KVF845	G1/8	5/2	Air	Spring
KVF865	G1/4	5/2	Air	Spring
KVF943	G1/8	3/2	Air	Air
KVF963	G1/4	3/2	Air	Air
KVF945	G1/8	5/2	Air	Air
KVF9453	G1/8	5/3	Air	Air
KVF965	G1/4	5/2	Air	Air
KVF9653	G1/4	5/3	Air	Air
KVF1943	G1/8	3/2	Air differential	Air
KVF1963	G1/4	3/2	Air differential	Air
KVF1945	G1/8	5/2	Air differential	Air
KVF1965	G1/4	5/2	Air differential	Air

Ordering Information: By Valve part number

Part Number	Function	Pilot pressure bar		Effective Ømm	Flow nl/s (dm ³ /s @ p 5.5 bar)	Cv	Kv
		min	max				
KVF843	3/2	3	10	5.0	20	0.8	12
KVF863	3/2	3	10	6.1	30	1.,2	18
KVF845	5/2	3	10	5.0	20	0.8	12
KVF865	5/2	3	10	6.1	30	1.2	18
KVF943	3/2	2	10	5.0	20	0.8	12
KVF963	3/2	2	10	6.1	30	1.2	18
KVF945	5/2	2	10	5.0	20	0.8	12
KVF9453	5/3	3	10	5.0	20	0.8	12
KVF965	5/2	2	10	6.1	30	1.2	18
KVF9653	5/3	3	10	6.1	30	1.2	18
KVF1943	3/2	3	10	5.0	20	0.8	12
KVF1963	3/2	3	10	6.1	30	1.2	18
KVF1945	5/2	3	10	5.0	20	0.8	12
KVF1965	5/2	3	10	6.1	30	1.2	18



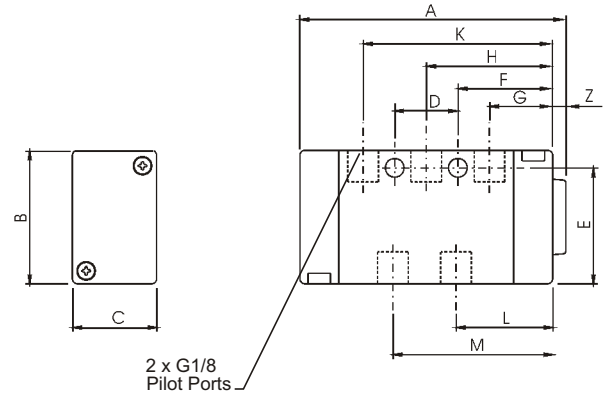
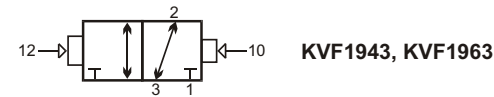
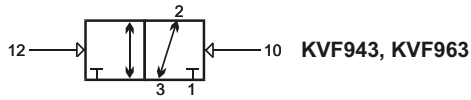
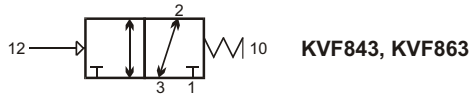
Dimensions

units mm

3/2 Valves

G1/8, G1/4

Symbols

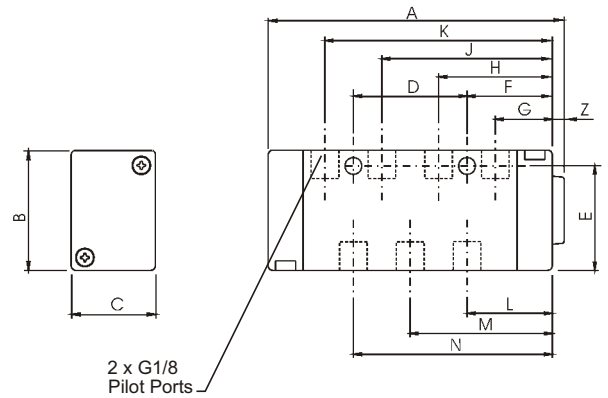
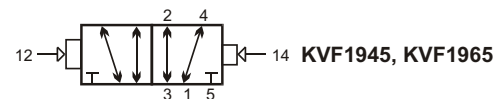
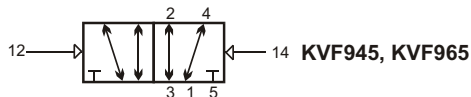
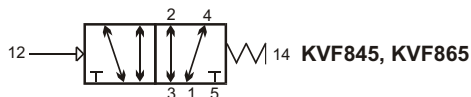


Part Number	Port	A	B	C	D	E	F	G	H	K	L	M	Z
KVF843	G1/8	73.8	38	24	18.0	33	30.8	18.0	36.0	54.0	27.0	45.0	3.75
KVF943	G1/8	72.0	38	24	18.0	33	27.0	14.3	32.3	50.3	23.3	41.3	-
KVF863	G1/4	82.7	44	24	21.5	36	32.5	19.5	39.5	59.5	29.5	49.5	3.75
KVF963	G1/4	79.0	44	24	21.5	36	29.0	16.0	36.0	56.0	26.0	46.0	-
KVF1943	G1/8	72.0	38	24	18.0	33	27.0	14.3	32.3	50.3	23.3	41.3	-
KVF1963	G1/4	79.0	44	24	21.5	36	29.0	16.0	36.0	56.0	26.0	46.0	-

5/2 Single Valves

G1/8, G1/4

Symbols



Part Number	Port	A	B	C	D	E	F	G	H	J	K	L	M	N	Z
KVF845	G1/8	93.8	38	24	36	33	27	18.0	36.0	54.0	72.0	27.0	45.0	63.0	3.75
KVF945	G1/8	90.0	38	24	36	33	27	18	36	54	72	27	45	63	-
KVF865	G1/4	102.7	44	24	41.5	36	28.8	19.5	39.5	59.5	79.5	29.5	49.5	69.5	3.75
KVF965	G1/4	99.0	44	24	41.5	36	28.8	16.0	36.0	56.0	76.0	26.0	46.0	66.0	-
KVF1945	G1/8	90.0	38	24	36	33	27	14.3	32.3	50.3	68.3	23.3	41.3	59.3	-
KVF1965	G1/4	99.0	44	24	41.5	36	28.8	16.0	36.0	56.0	76.0	26.0	46.0	66.0	-



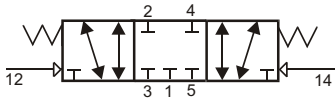
Dimensions

units mm

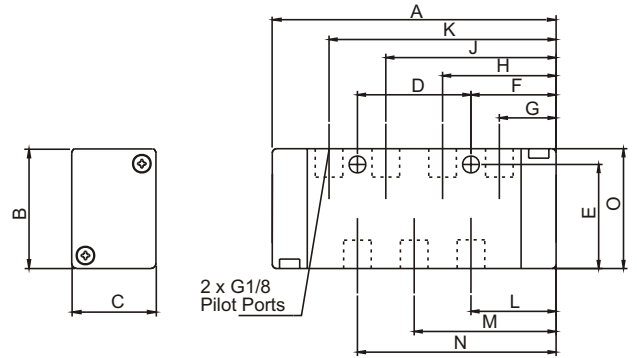
5/3 Valves

G1/8, G1/4

Symbol



KVF9453, KVF9653



Part Number	Port	A	B	C	D	E	F	G	H	J	K	L	M	N
KVF9453	G1/8	90.0	38	24	36	33	27.0	14.3	32.3	50.3	68.3	23.3	41.3	59.3
KVF9653	G1/4	99.0	44	24	41.5	36	29.0	16.0	36.0	56.0	76.0	26.0	46.0	66.0