

**Long lasting spool design**

**High flow compact valves**

**Wide range of operators and voltages available**

**Three functional types: available in 3/2, 5/2, and 5/3 configurations**

**Easily repairable**



### Technical data

**Medium:**

40 µm Filtered and lubricated or non-lubricated compressed air or vacuum.

**Operation:**

Spool valve solenoid pilot actuated

**Mounting:**

Inline – through holes in valve body

**Port Size:**

NPT – 1/4", 3/8", 1/2"

ISO G – 1/4", 3/8"

**Operating Pressure:**

Maximum 150 psig (10.3 bar)

**Operating Temperature:**

-20° to 120°F (-29° to 50°C)

Consult Technical Service for use below 35°F (2°C)

**Materials:**

Body: Aluminum

Spool: Anodized aluminum

Solenoid Operator Base: plastic

Plunger and spring: Stainless steel

Elastomers: Nitrile and special

nitrile-based low-friction elastomers.

### Minimum Pilot Pressures

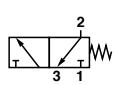
Operator	Return psig (bar)	Nondetent psig (bar)	Detented psig (bar)	Spring Centered
Solenoid	Solenoid	15 (1.0)	25 (1.7)	45 (3.1)
Solenoid	Spring	35 (2.4)	–	–

### Average Flow Factors in Cv‡ (l/min)

Valve	Port Size	Flow Path	
		Port 1 to 2 1 to 4	Port 2 to 3 4 to 5
3-Port, Inline	1/4"	1.6 (1600)	1.7 (1700)
	3/8"	1.6 (1600)	1.7 (1700)
5-Port, Inline	1/4"	1.6 (1600)	1.7 (1700)
	3/8"	1.6 (1600)	1.7 (1700)
	1/2"	1.6 (1600)	1.7 (1700)

‡ Flow Rating determined in accordance with NFPA/T3.21.3, Pneumatic fluid power – Flow test procedure and reporting method – For fixed orifice components.

**3/2 Solenoid/Solenoid**

Symbol	Model	Port Size (NPT)	Override	Pilot Supply	Voltage	Power	Operating Pressure	Pilot Pressure	Repair Kit
	K41DA00K*1K*1	1/4"	Non-locking	Internal	110/120 V, 50/60 Hz	7W	35 - 150	35 - 150	54237-59
	K41DA00K*1K*12W2	1/4"	Non-locking	Internal	24 VDC	6W	35 - 150	35 - 150	54237-59
	K41DA00K*2K*2	1/4"	Locking	Internal	110/120 V, 50/60 Hz	7W	35 - 150	35 - 150	54237-59
	K41DA00K*2K*22W2	1/4"	Locking	Internal	24 VDC	6W	35 - 150	35 - 150	54237-59
	K41DA00K*4K*4	1/4"	Non-locking	External	110/120 V, 50/60 Hz	7W	10" Hg - 150	35 - 150	54237-59
	K41DA00K*4K*42W2	1/4"	Non-locking	External	24 VDC	6W	10" Hg - 150	35 - 150	54237-59
	K41DA00K*5K*5	1/4"	Locking	External	110/120 V, 50/60 Hz	7W	10" Hg - 150	35 - 150	54237-59
	K41DA00K*5K*52W2	1/4"	Locking	External	24 VDC	6W	10" Hg - 150	35 - 150	54237-59
	K41EA00K*1K*1	3/8"	Non-locking	Internal	110/120 V, 50/60 Hz	7W	35 - 150	35 - 150	54237-59
	K41EA00K*1K*12W2	3/8"	Non-locking	Internal	24 VDC	6W	35 - 150	35 - 150	54237-59
	K41EA00K*2K*2	3/8"	Locking	Internal	110/120 V, 50/60 Hz	7W	35 - 150	35 - 150	54237-59
	K41EA00K*2K*22W2	3/8"	Locking	Internal	24 VDC	6W	35 - 150	35 - 150	54237-59
	K41EA00K*4K*4	3/8"	Non-locking	External	110/120 V, 50/60 Hz	7W	10" Hg - 150	35 - 150	54237-59
	K41EA00K*4K*42W2	3/8"	Non-locking	External	24 VDC	6W	10" Hg - 150	35 - 150	54237-59
	K41EA00K*5K*5	3/8"	Locking	External	110/120 V, 50/60 Hz	7W	10" Hg - 150	35 - 150	54237-59
	K41EA00K*5K*52W2	3/8"	Locking	External	24 VDC	6W	10" Hg - 150	35 - 150	54237-59

Replace \* with code below

**Connector Options Code**

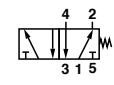
V = Cable Grip

3 = 1/2" Conduit

1 = No Connector

Order example: K41EA00K11K112W2 is a 3/2, 3/8", non-locking override, 24 VDC, with no connector.

**5/2 Solenoid /Spring Return**

Symbol	Model	Port Size (NPT)	Override	Pilot Supply	Voltage	Power	Operating Pressure	Pilot Pressure	Repair Kit
	K71DA00KS6K*1	1/4"	Non-locking	Internal	110/120 V, 50/60 Hz	7W	35 - 150	35 - 150	54237-56
	K71DA00KS6K*11W2	1/4"	Non-locking	Internal	24 VDC	6W	35 - 150	35 - 150	54237-56
	K71DA00KS6K*2	1/4"	Locking	Internal	110/120 V, 50/60 Hz	7W	35 - 150	35 - 150	54237-56
	K71DA00KS6K*21W2	1/4"	Locking	Internal	24 VDC	6W	35 - 150	35 - 150	54237-56
	K71DA00KS6K*4	1/4"	Non-locking	External	110/120 V, 50/60 Hz	7W	10" Hg - 150	35 - 150	54237-56
	K71DA00KS6K*41W2	1/4"	Non-locking	External	24 VDC	6W	10" Hg - 150	35 - 150	54237-56
	K71DA00KS6K*5	1/4"	Locking	External	110/120 V, 50/60 Hz	7W	10" Hg - 150	35 - 150	54237-56
	K71DA00KS6K*51W2	1/4"	Locking	External	24 VDC	6W	10" Hg - 150	35 - 150	54237-56
	K71EA00KS6K*1	3/8"	Non-locking	Internal	110/120 V, 50/60 Hz	7W	35 - 150	35 - 150	54237-56
	K71EA00KS6K*11W2	3/8"	Non-locking	Internal	24 VDC	6W	35 - 150	35 - 150	54237-56
	K71EA00KS6K*2	3/8"	Locking	Internal	110/120 V, 50/60 Hz	7W	35 - 150	35 - 150	54237-56
	K71EA00KS6K*21W2	3/8"	Locking	Internal	24 VDC	6W	35 - 150	35 - 150	54237-56
	K71EA00KS6K*4	3/8"	Non-locking	External	110/120 V, 50/60 Hz	7W	10" Hg - 150	35 - 150	54237-56
	K71EA00KS6K*41W2	3/8"	Non-locking	External	24 VDC	6W	10" Hg - 150	35 - 150	54237-56
	K71EA00KS6K*5	3/8"	Locking	External	110/120 V, 50/60 Hz	7W	10" Hg - 150	35 - 150	54237-56
	K71EA00KS6K*51W2	3/8"	Locking	External	24 VDC	6W	10" Hg - 150	35 - 150	54237-56
	K71FA00KS6K*1	1/2"	Non-locking	Internal	110/120 V, 50/60 Hz	7W	35 - 150	35 - 150	54237-56
	K71FA00KS6K*11W2	1/2"	Non-locking	Internal	24 VDC	6W	35 - 150	35 - 150	54237-56
	K71FA00KS6K*2	1/2"	Locking	Internal	110/120 V, 50/60 Hz	7W	35 - 150	35 - 150	54237-56
	K71FA00KS6K*21W2	1/2"	Locking	Internal	24 VDC	6W	35 - 150	35 - 150	54237-56
	K71FA00KS6K*4	1/2"	Non-locking	External	110/120 V, 50/60 Hz	7W	10" Hg - 150	35 - 150	54237-56
	K71FA00KS6K*41W2	1/2"	Non-locking	External	24 VDC	6W	10" Hg - 150	35 - 150	54237-56
	K71FA00KS6K*5	1/2"	Locking	External	110/120 V, 50/60 Hz	7W	10" Hg - 150	35 - 150	54237-56
	K71FA00KS6K*51W2	1/2"	Locking	External	24 VDC	6W	10" Hg - 150	35 - 150	54237-56

Replace \* with code below

**Connector Options Code**

V = Cable Grip    3 = 1/2" Conduit    1 = No Connector

Order example: K71FA00KS6K51W2 is a 5/2, 1/2", locking override, external pilot, 24 VDC, with cable grip connector.