

Oil/Steam/Liquid Control Valves

K10 Solenoid Valves Lever-Actuated, Two-Way

K10 normally-open or normally-closed solenoid valves are suited for use with a wide range of media: (1) gasoline and light or heavy fuel oils in commercial and industrial combustion applications, and (2) air, water, steam and other liquid media. The valve is most commonly used to control oil burner, boiler, and furnace safety systems, either manual or automatic.

The K10's versatility is attributable to the lever design, providing a mechanical advantage which increases the maximum operating pressure differentials. Stainless steel seat disc and spring-loaded plunger are matched with a die-cast brass valve body to ensure long life. Lever design and rugged construction combine to provide tight, reliable shutoff of a wide range of liquids, even at higher temperatures and pressures.

The valve body's union connection allows easy installation and removal. The coil and its housing rotate 360° for ease of wiring.

K10 valves are available in line sizes up to 1" NPT, operating pressures up to 300 psid, and operating voltages up to 240 VAC.

Specifications

Electrical

Voltages: 110 - 120V/50-60 Hz standard. Other voltages available

Coil: Class F - plastic encapsulated, waterproof, fungus resistant is standard.

Enclosure: NEMA 1 integral junction box.

Lead Length: 6 inches

Valve

Service: water, non-corrosive liquids, light or heavy fuel oils, steam

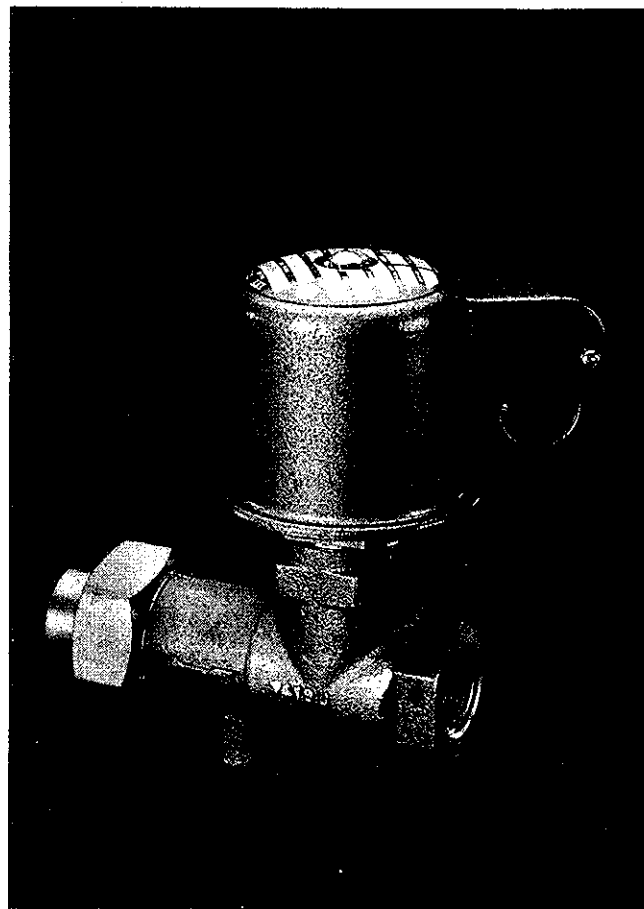
Pipe Connection: 3/8" to 1" NPT

Mounting: Solenoid housing upright only

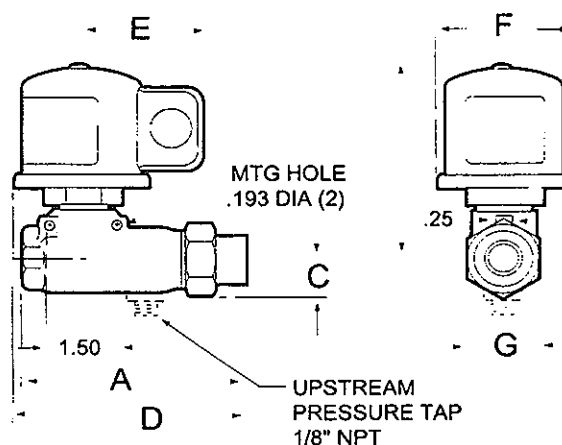
Bypass Tap (Plugged): Valves with suffix "L": 1/8" NPT

Agency Approvals: K10 valves are tested and approved by IAS*, FMRC® and UL®.

* an AGA and CGA joint venture



K10 Safety Shutoff Valve



Coil (Watts)	Pipe (inch NPT)	A	B	C	D	E	F	G
14	3/8, 1/2	4.76	4.39	0.81	4.92	2.64	2.94	1.37
28	1/2, 3/4	5.33	6.22	1.01	6.06	3.14	4.00	1.75
32	1/2, 3/4, 1	7.34	6.45	1.60	7.56	3.14	4.00	2.13

Dimensions (inches)

Oil/Steam/Liquid Control Valves

To Order:

Catalog Number	Pipe NPT (inch)	Orifice (inch)	C _v	Max. Oper. Pres. Dif. (psid maximum)			Max. Temperature (°F)		Coil	Watts	Volts (50-60 Hz)
				Water	Oil	Steam	Fluid	Ambient			
Normally Closed											
K10AB119	3/8	.125	0.40	300	300	50	287	77	F	14	110-120
K10AB137	3/8	.177	0.78	150	150	50	287	77	F	14	110-120
K10AB155	3/8	.203	1.00	110	110	50	287	77	F	14	110-120
K10AB155L	3/8	.203	1.00	110	110	50	287	77	F	14	110-120
K10AB173	3/8	.250	1.48	75	75	50	287	77	F	14	110-120
K10AB174	3/8	.250	1.48	75	75	50	287	77	F	14	208 (60 Hz)
K10AB227	1/2	.125	0.40	300	300	50	287	77	F	14	110-120
K10AB245	1/2	.177	0.78	150	150	50	287	77	F	14	110-120
K10AB263	1/2	.203	1.00	110	110	50	287	77	F	14	110-120
K10AB281	1/2	.250	1.48	75	75	50	287	77	F	14	110-120
K10AB284	1/2	.250	1.48	75	75	50	287	77	F	14	220-240
K10AB335	1/2	.187	0.81	300	300	50	287*	77	F	28	110-120
K10AB353	1/2	.265	1.63	150	150	50	287*	77	F	28	110-120
K10AB371	1/2	.312	2.50	100	100	50	287*	77	F	28	110-120
K10AB371L	1/2	.312	2.50	100	100	50	287	77	F	28	110-120
K10AB389	1/2	.375	3.30	70	70	50	287*	77	F	28	110-120
K10AB390	1/2	.375	3.30	70	70	50	287*	77	F	28	208 (60 Hz)
K10AB425	3/4	.265	1.63	150	150	50	287*	77	F	28	110-120
K10AB443	3/4	.375	3.30	70	70	50	287*	77	F	28	110-120
K10AB444	3/4	.375	3.30	70	70	50	287*	77	F	28	208 (60 Hz)
K10AE1025	1/2	.437	5.20	80	80	70	366	77	H	32	110-120
K10AE1037	3/4	.250	1.48	240	240	150	366	77	H	32	110-120
K10AE1049	3/4	.312	2.50	160	160	110	366	77	H	32	110-120
K10AE1061	3/4	.437	5.20	80	80	70	366	77	H	32	110-120
K10AE1097	1	.437	5.20	80	80	70	366	77	H	32	110-120
Normally Open											
K10CB119	3/8	.125	0.40	300	300	50	287	77	F	14	110-120
K10CB155	3/8	.203	1.00	110	110	50	287	77	F	14	110-120
K10CB227	1/2	.125	0.40	300	300	50	287	77	F	14	110-120
K10CB263	1/2	.203	1.00	110	110	50	287	77	F	14	110-120
K10CB266	1/2	.203	1.00	110	110	50	287	77	F	14	220-240
K10CB281	1/2	.250	1.48	75	75	50	287	77	F	14	110-120
K10CB353	1/2	.265	1.63	150	150	50	287*	77	F	28	110-120
K10CB425	3/4	.265	1.63	150	150	50	287*	77	F	28	110-120
K10CB443	3/4	.375	3.30	70	70	50	287*	77	F	28	110-120

* 298° F maximum steam temperature at 77° F ambient