

ASCO™ High Pressure Gas Shutoff Valves

Pilot Operated | 3/4" - 1-1/2" NPT

2/2
SERIES
K3A6

Features

- 2-way normally closed operation
- Die-cast aluminum bodies
- For positive shutoff on pilot or main gas lines of commercial and industrial gas burners.
- Valves provided with 1/8" NPT upstream and downstream pipe tap with plug for routine testing
- Broad ambient temperature range -40° F up to 160° F



Fluid

Fuel Gas

Construction

Valve Parts in Contact with Fluids	
Body	Aluminum
Seals & Disc	NBR
Core Tube	305 Stainless Steel
Core & Plugnut	430F Stainless Steel
Springs	302F Stainless Steel
Shading Coil	Copper
Pipe Plug	Zink-Plated Steel

Electrical

Standard Coil & Class of Insulation	Watt Rating & Power Consumption			Ambient Temp °F (°C)	Spare Coil Family
	AC				
	Watts	VA Holding	VA Inrush		
H	20	40	212	-40 to 160 (-40 to 71)	529030

Standard Voltages: 120 volts, AC 60 Hz
Optional Voltages: 24, 240 volts AC, 60 Hz
 K3A catalog number includes codification for voltage. However voltage must be specified when ordering spare coil.

Solenoid Enclosures

Standard: Type 1 General Purpose Junction Box Housing with two 7/8" knock-outs.

Valve Response Time

Opening Time: Less than 1 second

Closing Time: Less than 1 second

Close-off Pressure

50 psi (3.5 bar) maximum

Approvals

UL listed to standard 429 "Electrically Operated Valves," Guide Y10Z, File MP932 Safety Valves.

FM Approved to Class 7400 "Liquid and Gas Safety Shutoff Valves"

CSA Certified to Automatic Gas Valves ANSI Z21.21, CSA 6.5 C/I (meets standard C22.2 No. 139 "Electrically Operated Valves"), File 112872

COMBUSTION

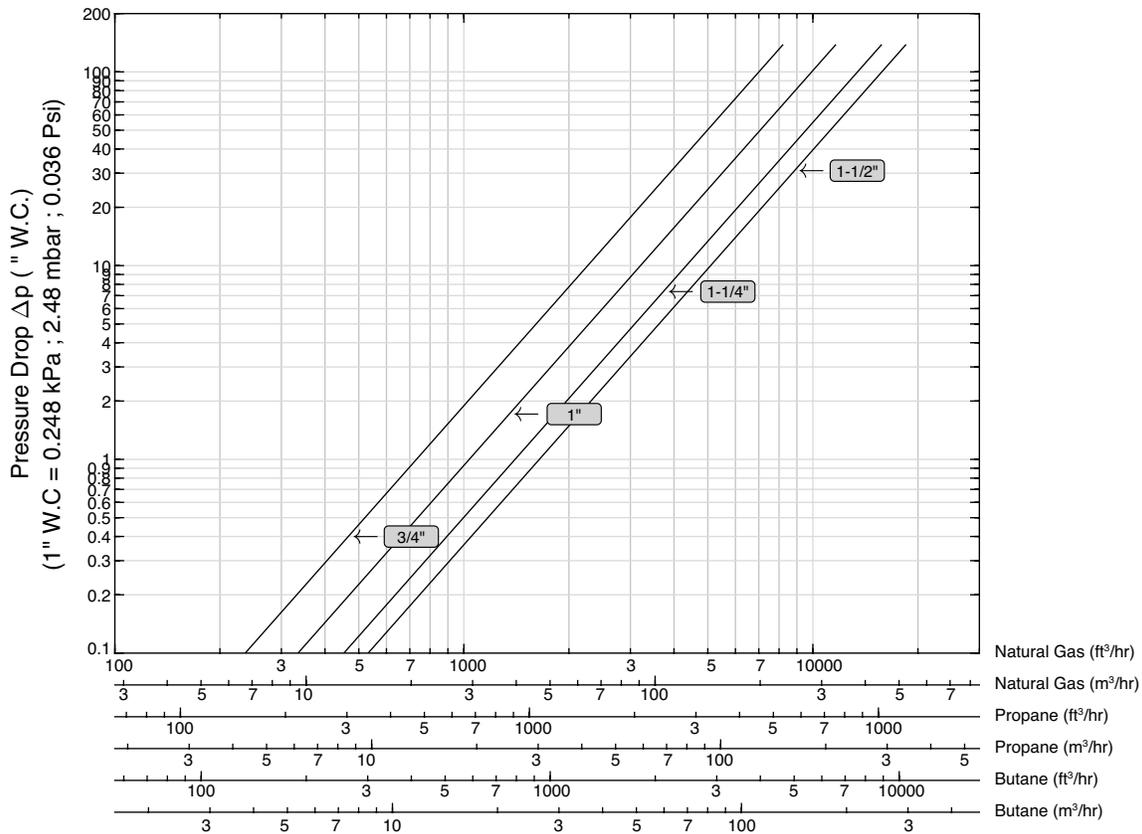
Specifications English units (Metric)

Pipe Size in	Orifice Size in (mm)	Flow Factor Cv (Kv)	Gas Capacity ① Btu/hr.	Operating Pressure Differential psi (bar)		Max. Fluid Temp. °F (°C)	Catalog Number			Const. Ref.	Agency			Wattage	Approx. Shipping Weight lbs (kgs)
				Min.	Max.		24/60	120/60	240/60		UL	FM	CSA		
COMBUSTION (Fuel Gas) - NORMALLY CLOSED															
3/4"	1-5/8" (43)	14.6 (12.6)	787,200	0	5 (0.3)	140 (60)	K3A651V	K3A652V	K3A654V	1	○	○	○	20	3.1 (1.4)
1"	1-5/8" (43)	18.4 (15.9)	992,100	0	5 (0.3)	140 (60)	K3A661V	K3A662V	K3A664V	1	○	○	○	20	3.1 (1.4)
1-1/4"	1-5/8" (43)	32.0 (27.7)	1,730,000	0	5 (0.3)	140 (60)	K3A671V	K3A672V	K3A674V	2	○	○	○	20	4.0 (1.8)
1-1/2"	1-5/8" (43)	35.0 (30.3)	1,900,000	0	5 (0.3)	140 (60)	K3A681V	K3A682V	K3A684V	2	○	○	○	20	3.8 (1.7)

○ = Safety Shutoff Valve. ① 1" W.C. Drop @ 2" W.C. Inlet Pressure, 1,000 Btu/cu.ft. or more, 0.64 Specific Gravity Gas.

Gas Flow Chart

K3A6 N.C General Purpose



Note: Flow curves are based on the following standard conditions: 5 psi (0.3 bar) inlet pressure and 68°F (20°C) fluid temperature.

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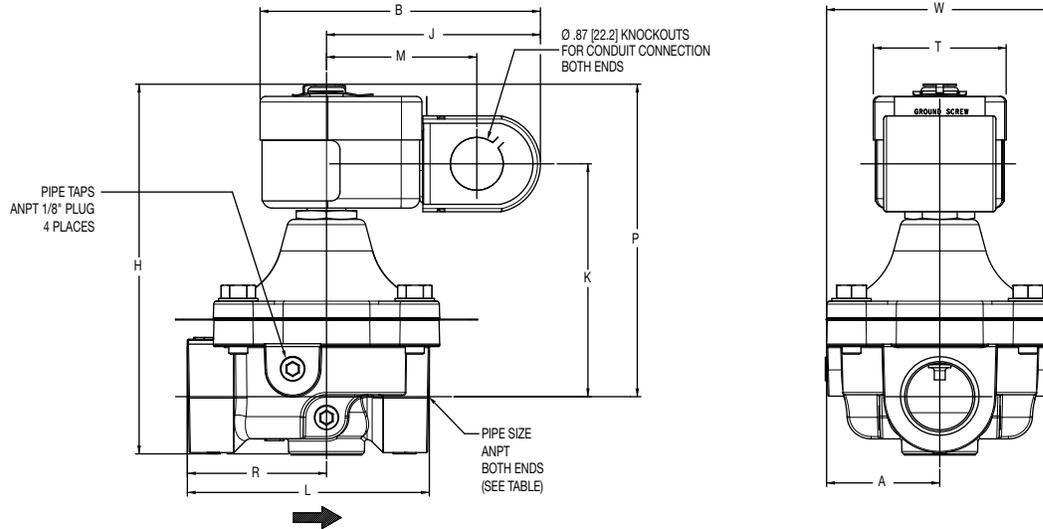
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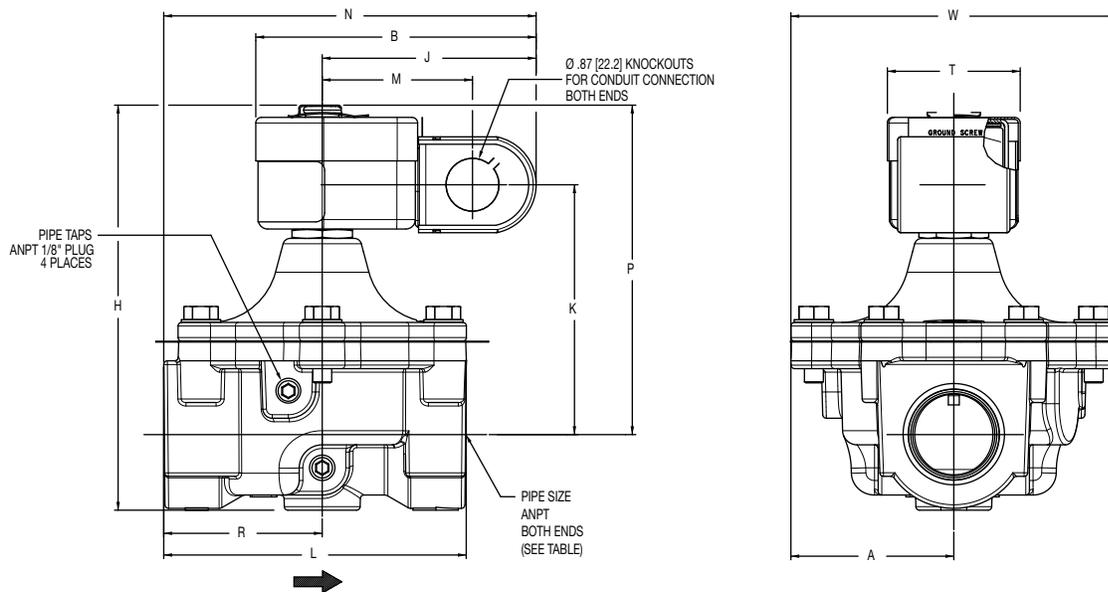
Dimensions inches (mm)

Const. Ref.		A	B	H	J	K	L	M	N	P	R	T	W	Mounting Position
1	in	1.90	4.60	6.10	3.50	3.90	4.00	2.50	5.80	5.20	2.30	2.20	3.70	Above Horizontal
	mm	48	118	155	90	98	102	63	148	131	58	56	95	
2	in	2.70	4.60	6.7	3.5	4.1	5	2.5	6.2	5.5	2.6	2.2	5.4	Above Horizontal
	mm	68	118	170	90	105	127	63	156	138	67	56	137	

Const. Ref. 1



Const. Ref. 2



COMBUSTION