

## Features

- 2-Way Normally Open operation.
- Unique double disc design with overtravel provides redundant sealing for leak tight shutoff in the normally closed (energized) position.
- Die-cast aluminum bodies.
- Zero differential piloted diaphragm.
- Valves provided with 1/8" NPT downstream pipe tap with plug for routine testing.

## Construction

Valve Parts in Contact with Fluids	
Body	Aluminum
Seals and Disc	NBR
Core Tube	305 Stainless Steel
Core Guide	Acetal (20.1 watt only)
Rider Ring	PTFE (20.1 watt only)
Core and Plugnut	430F Stainless Steel
Springs	302 Stainless Steel
Shading Coil	Copper
Pipe plug	Zinc Plated Steel

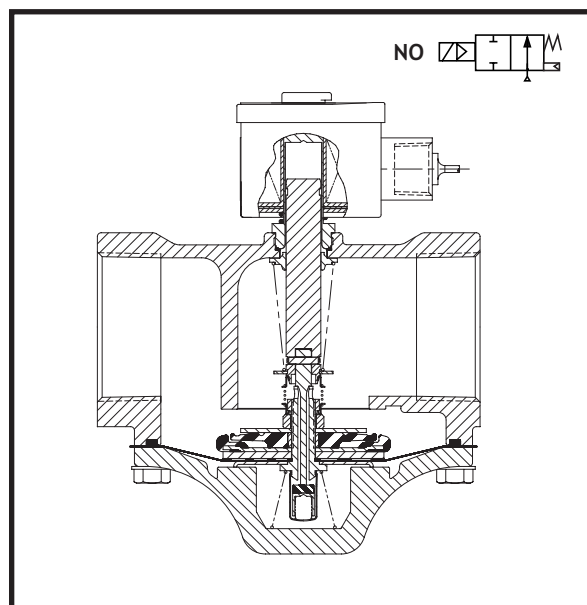
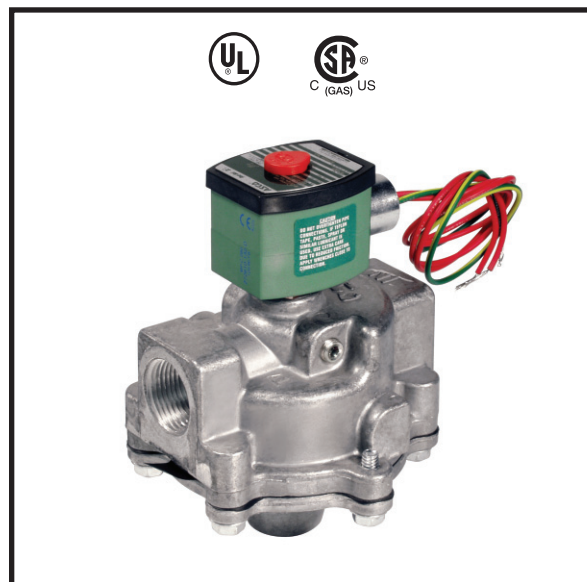
## Electrical

Standard Coil Class of Insulation	Watt Rating and Power Consumption			Ambient Temp. °F	Spare Coil Family	
	Watts	VA Holding	VA Inrush		General Purpose	Explosionproof
					AC	AC
F	17.1	40	93	-40 to 125	238610	-
F	20.1	43	240	-40 to 125	272610	-

**Standard Voltages:** 24, 120, 240 volts AC, 60 Hz (or 110, 220 volts AC, 50 Hz) (238610); 120, 240 volts AC, 60 Hz (272610).

## Solenoid Enclosures

RedHat® II molded epoxy Type 1, 2, 3, 3S, 4 and 4X combination. General Purpose and Watertight solenoid enclosures with 1/2" conduit hub as standard.



## Approvals:

UL listed to standard 429 "Electrically Operated Valves," Guide YIOZ, File MP618 General Purpose Valves.

CSA Certified to:

- 1) Standard C22.2 No. 139 "Electrically Operated Valves," File 010381.
- 2) Automatic Gas Valves Z21.21 (6.5), File 112872.

### Specifications

Pipe Size (ins.)	Orifice Size (ins.)	CV Flow	Gas Capacity ① Btu/hr.	Operating Pressure Differential (psi)		Max. Fluid Temp. °F	Catalog Number	Const. Ref.	Agency			Wattage	Approx. Shipping Weight (lbs)
				Min.	Max.				UL	FM	CSA		
<b>COMBUSTION (Fuel Gas) - NORMALLY OPEN</b>													
3/8	3/4	3.4	172,500	0	5	125	8214G013	1	●	-	●	17.1	2.3
1/2	3/4	4.4	206,250	0	5	125	8214G023	1	●	-	●	17.1	2.3
3/4	3/4	5.1	247,500	0	5	125	8214G033	2	●	-	●	17.1	2.5
3/4	1 5/8	11	659,000	0	5	125	8214G038	3	●	-	●	20.1	4.3
1	1 5/8	21	1,179,000	0	5	125	8214G054	3	●	-	●	20.1	4.3
1 1/4	1 5/8	32	1,538,750	0	5	125	8214G064	4	●	-	●	20.1	4.3
1 1/2	1 5/8	35	1,615,250	0	5	125	8214G074	4	●	-	●	20.1	4.3
2	2 3/32	60	2,924,500	0	5	125	8214G084	5	●	-	●	20.1	6.3

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

### Capabilities Chart

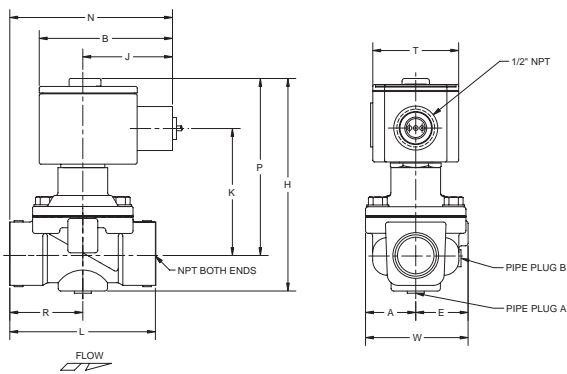
Solenoid Options		Base Catalog Number	Resilient Materials	Standard Rebuild Kit
<b>High Temp.</b>	<b>Junction Box</b>	<b>Aluminum</b>	<b>NBR</b>	<b>AC</b>
HB	JB	8214G013	●	316234
HB	JB	8214G023	●	316234
HB	JB	8214G033	●	316234
HB	JB	8214G038	●	322467
HB	JB	8214G054	●	322467
HB	JB	8214G064	●	322467
HB	JB	8214G074	●	322467
HB	JB	8214G084	●	322468

● = Standard. Other options may be available. All option combinations may not be available.

### Dimensions: inches

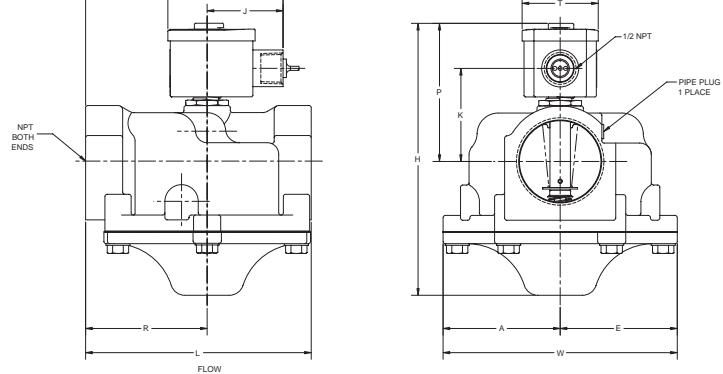
Const. Ref.	A	B	E	H	J	K	L	N	P	R	T	W	Pipe Plug
1	1.14	3.03	1.36	4.48	2.04	2.72	2.75	3.42	3.86	1.38	1.95	2.50	B
2	1.14	3.03	1.25	5.92	2.04	2.90	3.31	3.70	4.04	1.66	1.95	2.39	A
3	2.69	3.11	2.69	6.74	2.05	2.33	5.00	4.67	3.54	2.62	2.06	5.39	-
4	2.69	3.11	2.69	6.74	2.05	2.27	5.00	4.67	3.48	2.62	2.06	5.39	-
5	3.16	3.11	3.16	7.34	2.05	2.52	6.09	4.67	3.73	3.28	2.06	6.32	-

Const. Ref. 1, 2



Can be mounted in any position.

Const. Ref. 3, 4, 5



Must be mounted with solenoid vertical and upright.