

**Mountain
Controls**

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GC Valves—K13 Series Overview

Mountain Controls is proud to offer quality solenoid valves from GC Valves. The K13 Series features the following:

- 3-way lever acting universal valve
- 0 to 275 psi
- Cv to 1.27
- Orifices to 13/32"
- Forged brass with metal seat
- 3/8" to 3/4" NPT ports

Specifications in this guide:

- [K13 Series 3/8" NPT, Compact Brass Body, 3-Way Lever Acting, Universal](#)
- [K13 Series 1/2" NPT, Compact Brass Body, 3-Way Lever Acting, Universal](#)
- [K13 Series 1/2" NPT, Brass Body, 3-Way Lever Acting, Universal](#)
- [K13 Series 3/4" NPT, Brass Body, 3-Way Lever Acting, Universal](#)

- 3/8" NPT
- Compact Brass Body
- 3-Way Lever-Acting
- Universal

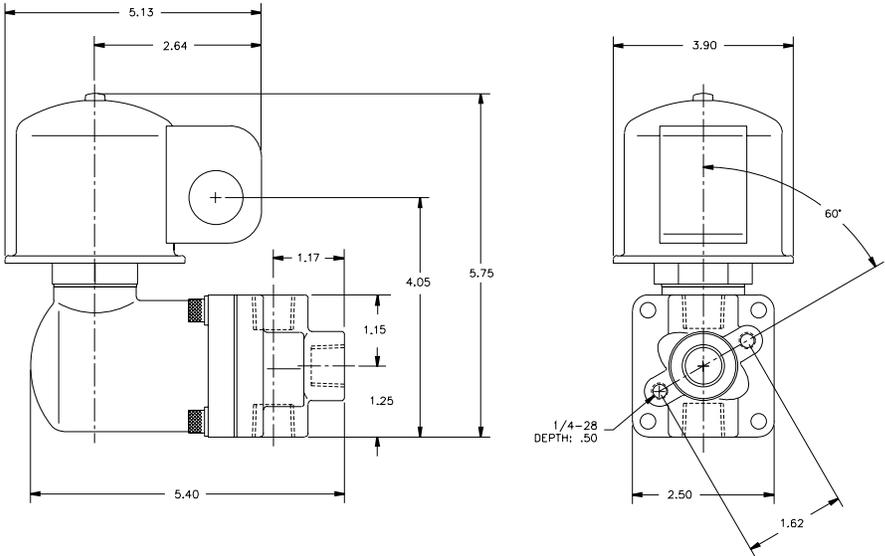


Materials	Seals:	Stainless Steel
	Orifices:	Stainless Steel
Electrical	Standard Housing:	Junction Box
	Optional Housings:	Conduit (NEMA1), Watertight (NEMA 4)
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available. Contact GC Valves Customer Service for additional voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H
	Standard Lead Length:	6 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position:	Vertical Only
Approvals*	Agency:	UL Listed

* Not available for all variations

Dimensions/Weight

Weight (lbs.)
4.5

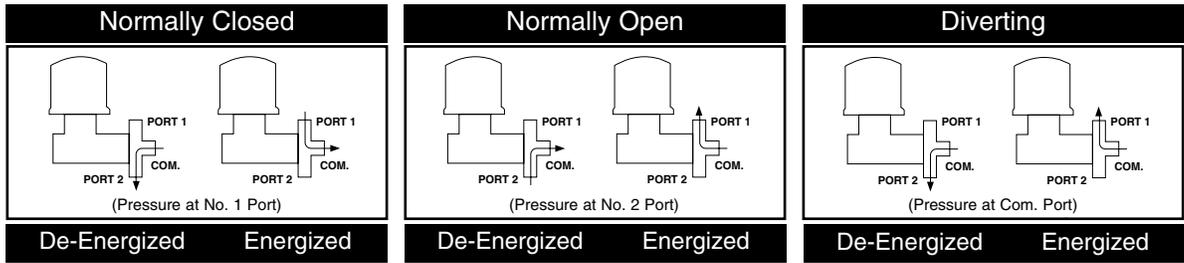




K13 – 3/8" NPT, Compact Brass Body, Universal

Valve Selection List

Universal



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)						Max Fluid Temp. °F	Power Consumption (Watts)		Coil Class	Model Code	
				Maximum							AC	DC		F*	(120V/60HZ — 110V/50HZ) Shown
				Water		Light Oil		#5 and #6 Heated Fuel Oil							
				AC	DC	AC	DC	AC	DC						
3/8	1/8	.22	0	125	—	125	—	125	—	225	14	—	F*	K13CF1232	
	1/4	.75	0	25	—	25	—	25	—	225	14	—	F*	K13CF1432	

* Class H Coil Recommended for High Temperature Applications

Part Numbering

1	2	3	4	5	6	7	8	9
K	1	3	C	F	1	2	3	2
Series			Body Size	Housing*	Seal	Orifice Size	Pipe Connection	Voltage*
K13			C: Compact	F: Class F H: Class H	1: Stainless Steel	2: 1/8" 4: 1/4"	3: 3/8"	2: 120/60 110/50 4: 240/60 220/50
* See the "Engineering Guide" for additional voltages, variations and options.								

Coil Data

Coil Family	
Type	Size
C	C225

Frequency (Hz)	60	50	
Nominal Power (VA)	Inrush	120	120
	Holding	31	34

- 1/2" NPT
- Compact Brass Body
- 3-Way Lever-Acting
- Universal



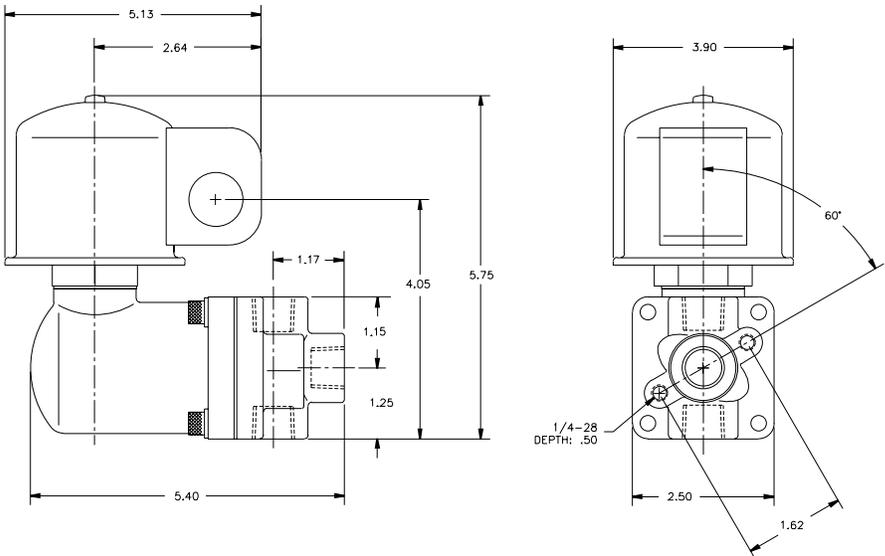
Materials	Seals:	Stainless Steel
	Orifices:	Stainless Steel
Electrical	Standard Housing:	Junction Box
	Optional Housings:	Conduit (NEMA1), Watertight (NEMA 4)
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available. Contact GC Valves Customer Service for additional voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H
	Standard Lead Length:	6 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position:	Vertical Only
Approvals*	Agency:	UL Listed

* Not available for all variations

Dimensions/Weight

Weight (lbs.)

4.5

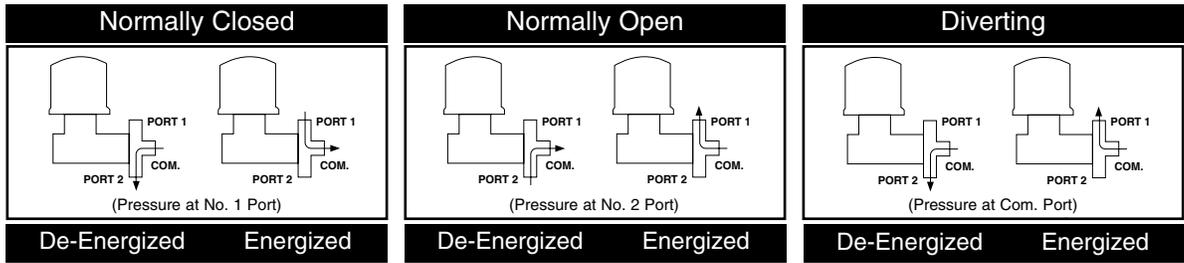




K13 – 1/2" NPT, Compact Brass Body, Universal

Valve Selection List

Universal



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)						Max Fluid Temp. °F	Power Consumption (Watts)		Coil Class	Model Code	
				Maximum							AC	DC		F*	(120V/60HZ — 110V/50HZ) Shown
				Water		Light Oil		#5 and #6 Heated Fuel Oil							
				AC	DC	AC	DC	AC	DC						
1/2	1/8	.22	0	125	—	125	—	125	—	225	14	—	F*	K13CF1242	
	1/4	.75	0	25	—	25	—	25	—	225	14	—	F*	K13CF1442	

* Class H Coil Recommended for High Temperature Applications

Part Numbering

1	2	3	4	5	6	7	8	9
K	1	3	C	F	1	2	4	2
Series			Body Size	Housing*	Seal	Orifice Size	Pipe Connection	Voltage*
K13			C: Compact	F: Class F H: Class H	1: Stainless Steel	2: 1/8" 4: 1/4"	4: 1/2"	2: 120/60 110/50 4: 240/60 220/50
* See the "Engineering Guide" for additional voltages, variations and options.								

Coil Data

Coil Family	
Type	Size
C	C225

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	120
	Holding	31

- 1/2" NPT
- Brass Body
- 3-Way Lever-Acting
- Universal

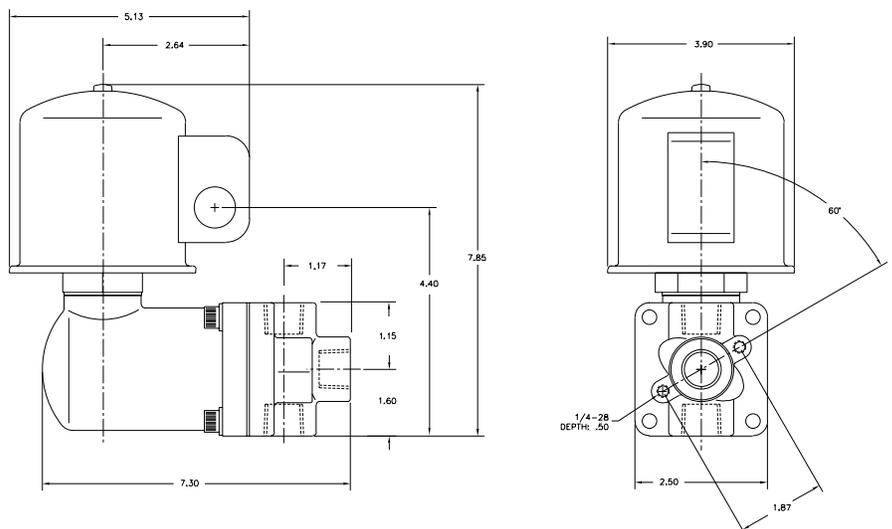


Materials	Seals:	Stainless Steel
	Orifices:	Stainless Steel
Electrical	Standard Housing:	Junction Box
	Optional Housings:	Conduit (NEMA1), Watertight (NEMA 4)
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available. Contact GC Valves Customer Service for additional voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H
	Standard Lead Length:	6 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position:	Vertical Only
Approvals*	Agency:	UL Listed

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Dimensions/Weight

Weight (lbs.)
8.8

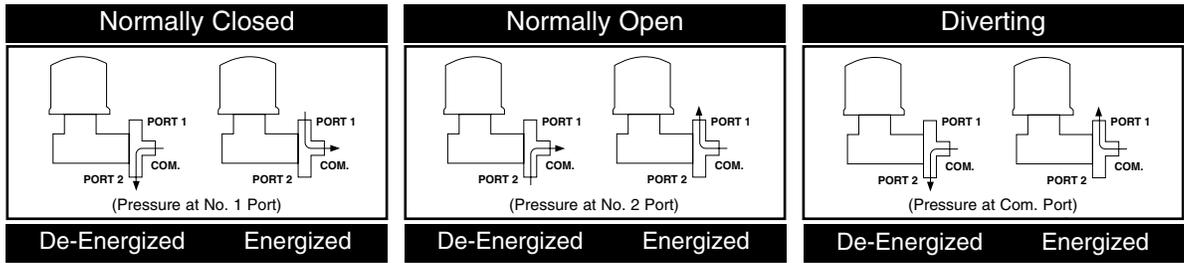




K13 – 1/2" NPT, Brass Body, Universal

Valve Selection List

Universal



Pipe Size NPT	Orifice Size IN	C _V	Operating Pressure Differential (psi)							Max Fluid Temp. °F	Power Consumption (Watts)		Coil Class	Model Code
			Maximum						AC		DC	F*		(120V/60HZ — 110V/50HZ) Shown
			Water		Light Oil		#5 and #6 Heated Fuel Oil							
			AC	DC	AC	DC	AC	DC						
1/2	1/8	.25	0	275	—	275	—	275	—	250	28	—	F*	K13DF1242
	3/16	.58	0	125	—	125	—	125	—	250	28	—	F*	K13DF1342
	1/4	.85	0	100	—	100	—	100	—	250	28	—	F*	K13DF1442
	13/32	1.27	0	25	—	25	—	25	—	250	28	—	F*	K13DF1542

* Class H Coil Recommended for High Temperature Applications

Part Numbering

1	2	3	4	5	6	7	8	9
K	1	3	D	F	1	2	4	2
Series			Body Size	Housing*	Seal	Orifice Size	Pipe Connection	Voltage*
K13			D: Standard	F: Class F H: Class H	1: Stainless Steel	2: 1/8" 3: 3/16" 4: 1/4" 5: 13/32"	4: 1/2"	2: 120/60 110/50 4: 240/60 220/50
* See the "Engineering Guide" for additional voltages, variations and options.								

Coil Data

Coil Family	
Type	Size
D	C300

Frequency (Hz)	60	50
Nominal Power (VA)	Inrush	278
	Holding	67
		72

- 3/4" NPT
- Brass Body
- 3-Way Lever-Acting
- Universal

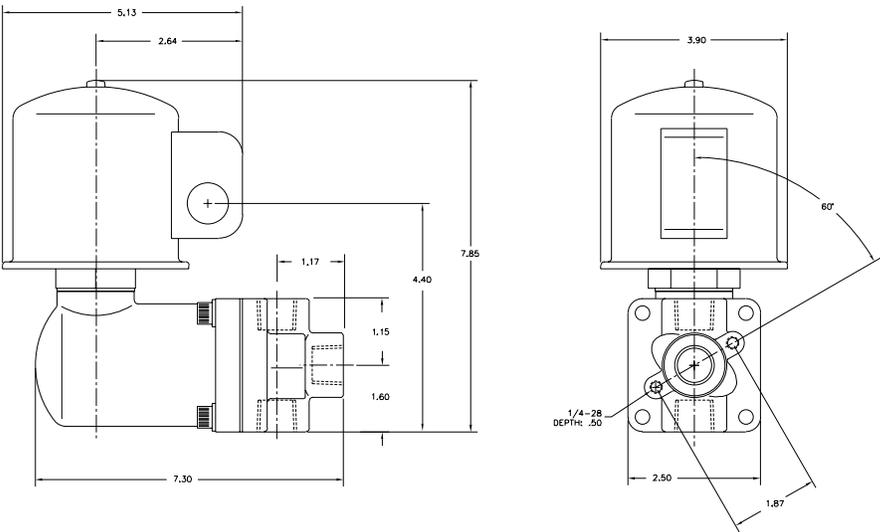


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	Orifices:	Stainless Steel
Electrical	Standard Housing:	Junction Box
	Optional Housings:	Conduit (NEMA)1, Watertight (NEMA 4)
	Standard Voltages:	24, 120, 240 AC 60 Hz; 50 Hz available. Contact GC Valves Customer Service for additional voltages.
	Voltage Tolerance:	±10% of applicable voltage
	Coil Classes:	F, H
	Standard Lead Length:	6 inch
Operating Temperature	Ambient (Nominal):	32° to 125°F
Mounting	Position:	Vertical Only
Approvals*	Agency:	UL Listed

* Not available for all variations

Dimensions/Weight

Weight (lbs.)
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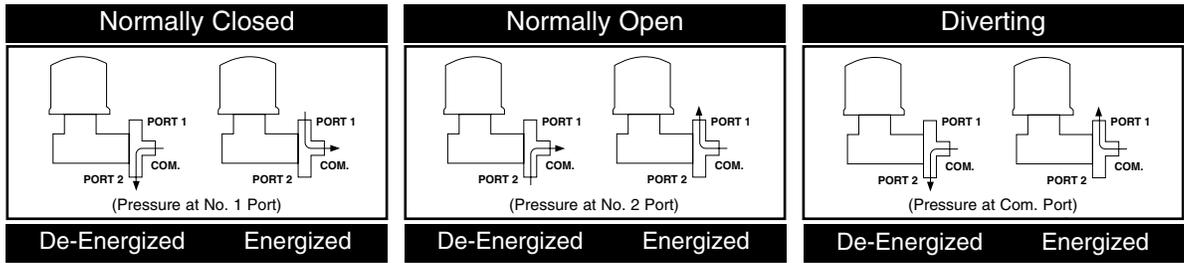




K13 – 3/4" NPT, Brass Body, Universal

Valve Selection List

Universal



Pipe Size NPT	Orifice Size IN	C _v	Minimum	Operating Pressure Differential (psi)						Max Fluid Temp. °F	Power Consumption (Watts)		Coil Class	Model Code (120V/60HZ — 110V/50HZ) Shown
				Maximum							AC	DC		
				Water	Light Oil	#5 and #6 Heated Fuel Oil	AC	DC	AC		DC	AC		DC
3/4	1/8	.25	0	275	—	275	—	275	—	250	28	—	F*	K13DF1252
	3/16	.58	0	125	—	125	—	125	—	250	28	—	F*	K13DF1352
	1/4	.85	0	100	—	100	—	100	—	250	28	—	F*	K13DF1452
	13/32	1.27	0	25	—	25	—	25	—	250	28	—	F*	K13DF1552

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Nominal Power (VA)	Inrush	278	278
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