

Solenoid valves for heating

2/2 way - Normally Closed - Direct Operated

Fittings: R = 1/8" - 1/4"



Series **131.4 ... G**

General description:

PARKER series 131.4...G solenoid valves are direct operated and are used for general applications with **fuel gases**.

Series 131.4...G valves are **normally closed**.

Temperatures:

The working temperature for media is:

maximum **+90°C**

minimum **-10°C**

The maximum ambient temperature is:

+60 °C

Coils:

For series 131.4...G valves class "F" coils (**155°C**) are available encapsulated in thermoplastic containing 30% glass fiber (type KT). All the coils are for continuous service, 100% E.D.

The rated voltage tolerance is:
±10% for A.C. power supply and
+10% -5% in D.C.

The "K" coil can be used on a.c. with a frequency of 50 Hz (single frequency) and has Faston terminals for **DIN 43650A** connector with protection to **IP65**.

Materials:

• Valve body:	OT58 UNI 5705 brass stamping
• Seals:	NBR (Buna N)
• Enclosing tube:	OT58 UNI 5705 brass stamping
• Plunger:	9 SMnPb 23 UNI 5105 steel with nickel
• Spring:	AISI 302 stainless steel
• Shading ring:	Copper

Electrical features:

Coil type []		Power [W]		Insulat. class
A.C.(~)	D.C.(=)	A.C.(~)	D.C.(=)	
KT 09	KT 10	9	10	F
KT 05	KT 05	5	5	F
-	KT 06	-	6	F

Specification:

Fittings Ø R	Valve type	Nominal passage Ø	Flow rate factor Kv	Minimum pressure	Max. differential pressure (M.O.P.D.)		Coil type	Weight	Notes
					in A.C.(~) [bar]	in D.C.(=) [bar]			
["]	[]	[mm]	[m³/h]	[bar]			[]	[Kg]	[]
1/8	131.4 C	4	0.318	0	2	1	K	0.20	1 - 2
1/4	131.4 G	4	0.318	0	2	1	K	0.22	1 - 2

Note: 1) NP (nominal pressure): 10 bar.

2) With coil KT05-KT06 (d.c.) the working pressure is reduced to 0.2 bar.

Application:

Series 131.4...G solenoid valves are ideal for automatic and safe control of fuel gases where low flow rates are required. Some typical application examples:

- Portable hot air generators;
- Dryers;
- Gas cookers;
- Boilers for caravans and motorhomes;
- Pilot flame control.

Installation:

The valves can be mounted in any position without jeopardising their operation. It is however advisable to install them with the coil in a vertical position above the body. The valve body has 2 attachment holes with diam. M4 x 7 and centre distance 13 x 13.

Approvals:



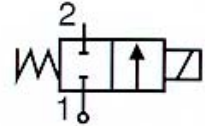
• Coil certification:
KT 09 220-230V/50Hz

• **EN 161** For the solenoid valves with the following coil: **KT 09** 24V/50Hz, 115V/50Hz, 110-120V/60Hz, 220-240V/50Hz

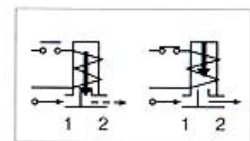
KT 05 12V C.C.

KT 06 196-216V C.C.

Series **131.4 ... G**

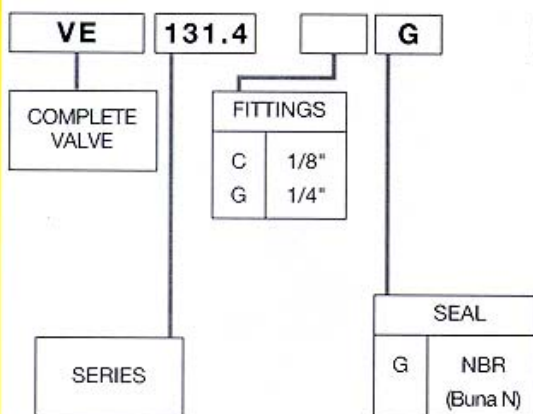


N.C.
Normally Closed
 Coil energised - open
 Coil de-energised - closed



	Dimensions				
	Fittings Ø R	A	B	C	D
	["]	[mm]	[mm]	[mm]	[mm]
1/8	38	60	60	37.5	
1/4	38	60	60	37.5	

Order code



Coil type	[V] [Hz] / c.c.				
	24V 50Hz	115V 50Hz	220-230V 50Hz	240V 50Hz	110-120V 60Hz
KT 09	•	•	•	•	•
Coil type	196-216V - DC		12V c.c.	24V c.c.	240V 50Hz
KT 06	•				
KT 05			•		•
KT 10			•	•	

Note: Valve supplied with coil in multipack.
 Connectors to be ordered separately.