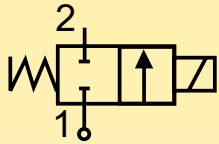


Solenoid Valves for Automation

2/2 way - Normally Closed - Direct operated

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

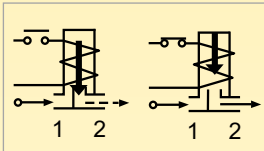
Series **131.4**



N.C.

Normally closed

Coil energised - open
Coil de-energised - closed



General description:

PARKER series 131.4 solenoid valves are direct operated.

They are used for general applications with media such as **inert gases and light oils (2°E)**.

Series 131.4 valves are **normally closed**.

Temperatures:

The working temperature for media is:

maximum **+140°C**
minimum **-10°C**

The maximum ambient temperature is:

- with class "F" : **+50°C**;
- with class "H" : **+80°C**.

Application:

Series 131.4 solenoid valves are used for the automatic control of media where low flow rates are required.

Some examples of applications are:

- welding machines with controlled atmosphere;
- diesel oil burners;
- gas analysers;
- fumes analysers;
- distribution of light oils;
- measurement and control instruments;
- lubrication systems.

Coils:

For series 131.4 valves class "F" coils (**155°C**), encapsulated in thermoplastic containing 30% glass fiber (type KT), are available.

All the coils are for continuous service, 100% E.D.

The rated voltage tolerance is:

±10% for A.C. power supply and
+10% -5% for D.C.

The "K" coil can be used on a.c. with frequency 50 Hz or 60 Hz (single frequency) and has Faston terminals for **DIN 43650A** connector with protection to **IP65**.

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 mounting holes diam. M4 x 7 with centre distance 13 x 13.

Approvals:



- For the coils:
KH 09 115V/50Hz
230V/50Hz
KT 09 115V/50Hz
220-230V/50Hz



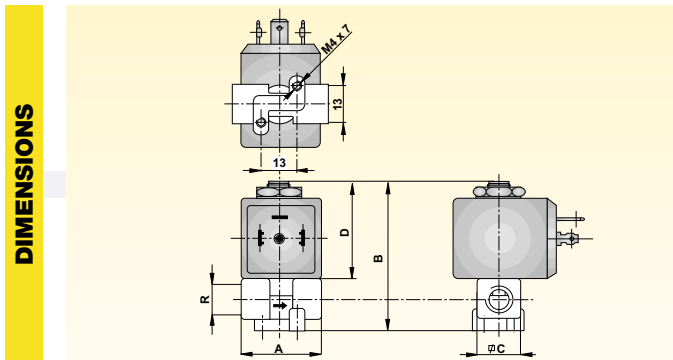
Series **131.4**

MATERIALS	• Valve body:	CW617N UNI EN 12165:98 brass stamping
	• Seals:	Viton
	• Enclosing tube:	CW614N UNI EN 12164:98
	• Plunger:	9 SMnPb23 UNI 5105 steel with nickel
	• Spring:	AISI 302 stainless steel
	• Shading ring:	Copper

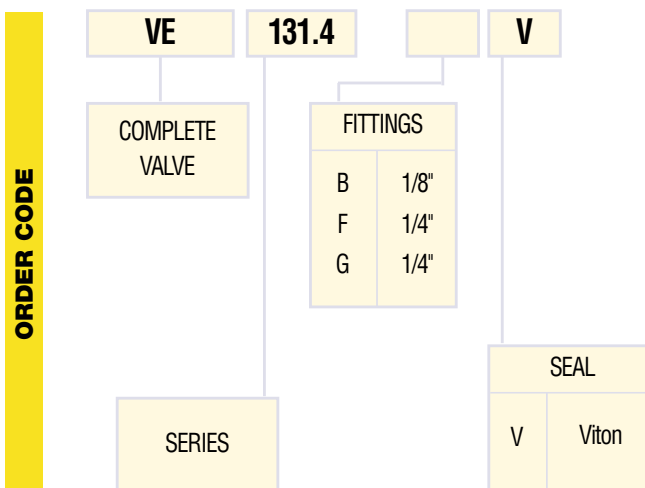
ELECTRICAL FEATURES	Coil type []		Power [W]		Insulat. class
	A.C.(~)	D.C.(=)	A.C.(~)	D.C.(=)	
	KT 09	KT 10	9	10	F
	KH 09	-	9	-	H

SPECIFICATION	Fittings Ø Rp	Valve type	Nominal orifice Ø	Flow coefficient Kv	Minimum pressure	Max differential pressure (M.O.P.D.)		Coil type	Weight	Notes
	["]	[]	[mm]	[m³/h]	[bar]	in A.C.(~) [bar]	in D.C.(=) [bar]	[]	[Kg]	[]
	1/8	131.4 BV	2,8	0,174	0	8	6	K	0,200	1
	1/4	131.4 FV	2,8	0,174	0	8	6	K	0,220	1
	1/4	131.4 GV	4,0	0,318	0	2	1	K	1,220	1

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



Fittings Ø R	A	B	C	D
["]	[mm]	[mm]	[mm]	[mm]
1/8	32	56,5	14	35,5
1/4	38	60	16	35,5



		[V]				[Hz] / d.c.
Coil type	24 V 50 Hz*	115V 50 Hz*	220-230 V 50 Hz*	240 V 50 Hz*	12 V d.c.	24 V d.c.
KT 09	●	●	●	●		
KT 10					●	●
KH 09		●	●			

* models with 60 Hz availables

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