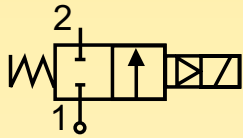


Solenoid valves for heating

2/2 ways - Normally Closed - Direct Operated

Fittings: G = 1/8"

Series **131**

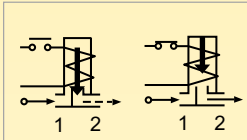


N.C.

Normally closed

Coil energised - open

Coil de-energised - closed



General description:

PARKER series 131 solenoid valves are direct operated and are used for general applications with media such as **fuel oils up to 2°E**.

Series 131 valves are **normally closed**.

Temperatures:

The working temperature for media is:

maximum **+90°C**

minimum **-10°C**

The maximum ambient temperature is:

with class "F" Coils **+50°C**

with class "H" Coils **+80°C**

Application:

Series 131 solenoid valves are ideal for automatic control of fuel oils up to 2°E on pressurised burners.

Coils:

For series 131 valves class "F" coils (**155°C**) are available encapsulated in thermoplastic containing 30% glass fiber (types: KT, XT).

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" and "X" coils can be used on a.c. with a frequency of 50 Hz (single frequency).

The "K" coil has Faston terminals for **DIN 43650A** connectors protection to **IP65**.

The "X" coil has Faston terminals for plug with cables (box) with protection to **IP54**.

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.

Approvals:



• For the coils:

KH 09 115V/50HZ

230V/50Hz

KT 09 115V/50HZ

220-230V/50Hz



Series **131**

MATERIALS	• Valve body:	CW617N UNI EN 12165:98 brass stamping
	• Seals:	NBR (Buna N)
	• Enclosing tube:	CW614N UNI EN 12164:98 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	KT10	9	10	F
	XT 09	-	9	-	F
	KH 09	-	9	-	H

SPECIFICATION	Fittings Ø G	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 I	1,7	0,086	0	25	22	K-X	0,2	1
	1/8	131 A	2,2	0,120	0	15	13	K-X	0,2	1

Note: 1) NP (nominal pressure): 40 bar.

DIMENSIONS	drg. 1		drg. 2		TYPE	A	B	C	D
					["]	[mm]	[mm]	[mm]	[mm]
					131 IN-AN*	30	53	16	37,5
					131 INX	30	53	16	37,5

*drg. 2

ORDER CODE	VE	131		N	[V] [Hz]/d.c.						
	COMPLETE VALVE	FITTINGS		SEAL	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.
		I 1/8"		N	KT 09	●	●	●	●		
	SERIES	A 1/8"		(Buna N)	XT 09			●	●		

KT 10

KH 09

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