

Solenoid valves for steam and high temperatures

2/2 way - Normally Closed - Diaphragm pilot operated

Fittings: G = 3/8" - 1"



Series **135**

General description:

PARKER series 135 solenoid valves are diaphragm pilot operated and therefore require a minimum differential pressure to operate.

They are used for **steam and superheated water**.

Electrical components are insulated from the moving parts in contact with the media and therefore series 135 valves are particularly suitable for demanding applications.

Series 135 valves are **normally closed**.

Temperatures:

The working temperature for media is:

maximum **+180°C**
minimum **-30°C**

The maximum ambient temperature is:

+80°C

Coils:

For series 135 valves class "F" coils (155°C) are available encapsulated in thermoplastic containing 40% of glass fiber (types ZH).

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 "Z" coil can be used on a.c. with a frequency of 50/60 Hz (dual frequency) and has Faston terminals for DIN 43650A connectors with protection to IP65.

Materials:

- Valve body: OT58 UNI 5705 brass stamping
- Seals: PTFE (Teflon)
- Enclosing tube: AISI 304 stainless steel
- Plunger: AISI 430F stainless steel
- Spring: AISI 302 stainless steel
- Shading ring: Copper

Electrical features:

Coil type []		Power [w]		Insulat. class
A.C.(~)	D.C.(=)	A.C.(~)	D.C.(=)	
ZH 14	ZH 16	14	16	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
					in A.C.(~) [bar]	in D.C.(=) [bar]			
["]	[]	[mm]	[m³/h]	[bar]			[]	[Kg]	[]
3/8	135 I	16	4.7	0.5	10	10	Z	1.150	1
1/2	135 A	16	4.7	0.5	10	10	Z	1.000	1
3/4	135 C	27	11.6	0.5	10	10	Z	3.500	1
1	135 D	27	11.6	0.5	10	10	Z	3.200	1

Note: 1) NP (nominal pressure): 25 bar.

Application:

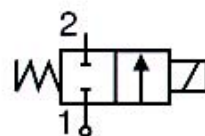
Series 135 solenoid valves are ideal for automatic control of steam and superheated water in a wide range of applications such as those listed below.

- Dry-cleaning systems;
- Steam generators;
- Laundry systems;
- Sterilisers;
- Autoclaves;
- Plant food industry;
- Steam presses;
- Drying systems;
- Catering systems.

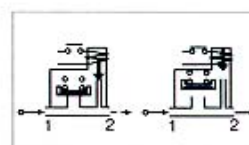
Installation:

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.

Series **135**



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



	Dimensions				
	Fittings Ø G	A	B	C	D
	["]	[mm]	[mm]	[mm]	[mm]
	3/8	67	127	58	65.5
	1/2	67	127	58	65.5
	3/4	98.5	177	82	96
	1	98.5	177	82	96

Order code

PM	135		T		[V]	[Hz]/c.c.						
VALVE BODY	FITTINGS I 3/8" A 1/2" C 3/4" D 1"		SEAL		Coil type	24V 50/60Hz	115V 50/60Hz	220-230V 50/60Hz	240V 50/60Hz	12V c.c.	24V c.c.	
SERIES		T	PTFE (Teflon)		ZH 14	•	•	•				
						ZH 16						•

Note: Valve supplied with body(M.P.) and coil separate.
 Connectors to be ordered separately.