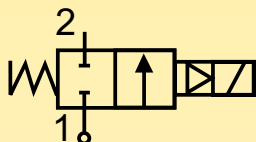


Solenoid Valves for Automation

2/2 way - Normally Closed - Diaphragm assisted lift

Fittings: G = 3/8" - 1"

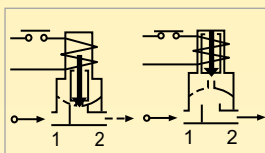
Series **123**



N.C.

Normally closed

Coil energised - open
Coil de-energised - closed



General description:

PARKER series 123 solenoid valves are diaphragm assisted lift and do not require a minimum differential pressure to operate. They are used for general applications with media such as: **water, air, light oils (2°E) and inert gases**, provided they are compatible with the construction materials used.

Series 123 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" coils **+50°C**
- with class "H" coils **+80°C**

Application:

Series 123 solenoid valves are ideal for automatic control of media for a wide range of uses which require zero or very low differential pressures.

Some examples of applications are:

- thermohydraulic systems;
- industrial dishwashers;
- hydrocleaners;
- instruments;
- metal smelting plants;
- polyurethane systems;
- closed circuits;
- environmentally-friendly systems;
- suction pad manipulators.

In vacuum applications series 123 valves can be used in a range **from 10⁻³ to 10⁺³ torr**.

They may be used with gases with pressures over **2,000 mm of water column**.



Coils:

For series 123 valves class "F" coils (**155°C**) are available, encapsulated in thermoplastic containing 30% glass fiber (types: ZB, YB, JB).

For models I and A, class "H" coils (**180°C**) are also available, encapsulated in thermoplastic containing 40% glass fiber (type: 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", "Y", "J" coils can be used on a.c. with frequency 50/60 Hz (dualfrequency).


The "Z" and "J" coils have Faston terminals for **DIN 43650A** connectors with protection to **IP65**.

The "Y" coil has terminals with 2 x 1,000 mm cables with protection to **IP67**.

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:

ZB 09 115V/50-60Hz, 220-230V/50-60Hz, 240V/50-60Hz

ZH 09 24V/50-60Hz

ZH 12 12V DC, 24V DC

YB 09 220-230V/50-60Hz

JB 14 220-230V/50-60Hz



• For the coils:

ZB 09 220-230V/50-60Hz, 240V/50-60Hz

YB 09 220-230V/50-60Hz



• UL Recognized Comp. coils mark

ZB 09 coil, voltages:
24V/60Hz, 110-120V/60Hz, 208-240V/60Hz

YB 09 24V/60Hz, 110-120V/60Hz, 208-240V/60Hz

Series **123**

