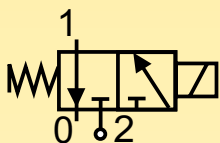


Solenoid Valves for Automation

3/2 way - Normally Closed - Direct operated

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

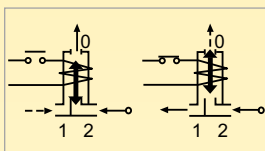
Series **141**



N.C.

Normally closed

Coil energised - open
Coil de-energised - closed



General description:

PARKER series 141 solenoid valves are direct operated 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.

The series 141 valves seal bubble tight. Series 141 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 141 solenoid valves are used in applications which require actuation and automatic discharge of moving systems in the following applications:

- Sterilisers;
- Espresso coffee machines;
- Air compressors;
- Diesel oil burners;
- Pilot valves;
- Polyurethane plants;
- Water treatment plants.

Coils:

For series 141 valves class "F" coils (**155°C**) are available encapsulated in thermoplastic containing 30% glass fiber (types: ZB, YB).

Class "H" coils (**180°C**) are also available encapsulated in thermoplastic material 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" and "Y" coils can be used on a.c. with frequency of 50/60 Hz (dualfrequency). The "Z" 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. The valve body has a M4 x 8 mounting hole.

Approvals:

- For the coils:
 - ZB 09** 15V/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

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



Series **141**

