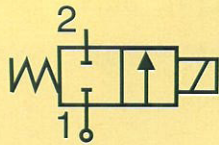


Solenoid Valves for Automation

2/2 way - Normally Closed - Direct operated

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

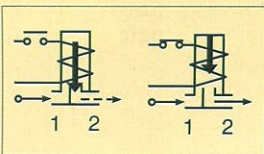
Series **174**



N.C.

Normally closed

Coil energised - open
Coil de-energised - closed



General description:

PARKER series 174 solenoid valves have direct action and therefore do not require a minimum differential pressure to operate. They are used for general applications, when small overall dimensions and low consumption are required, with media such as **water, air, light oils (2°E) and inert gases**, provided they are compatible with the construction materials used. Series 174 valves are **normally closed**. For large orders, valves are available on request with **manual operator**.

Temperatures:

The working temperature for media is:
maximum **+140°C**
minimum **-10°C**
The maximum ambient temperature is:
+50°C

Application:

Series 174 solenoid valves are ideal for the automatic control of media with low flow rates.

Some typical application examples:

- Espresso coffee machines;
- Sterilisers;
- Compressed air systems;
- Welding machines;
- Wood-working machines;
- Electrical medical equipment;
- Shoe-manufacturing machines.

Coils:

For series 174 valves the WB class "**F**" coil (**155°C**), encapsulated in thermoplastic containing 30% glass fiber, is used. The coil is for continuous service, 100% E.D.

The rated voltage tolerance is:
±10% for A.C. power supply and
+10% -5% for D.C.

The "W" coil can be used on a.c. with frequency of 50/60Hz (dualfrequency) and has Faston terminals for **DIN 43650B** connectors 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 series 174 valves with the code .4 are fitted with M4 x 7 mounting holes on the valve body with centre distance 18 x 18 mm.

Approvals:



• Coil certification:
WB 4,5 115V/50-60Hz, 220-230V/50-60Hz



• For the coil:
WB 4,5 115V/50-60Hz, 220-230V/50-60Hz



• UL Recognized Comp. Mark for the coil:
WB 4,5 24V/60Hz, 110-120V/60Hz, 208-240V/60Hz

Special versions:

On request and for large orders, the series 174 can be fitted with quick action coupling fittings such as **Prestolock** cartridge.



Series **174**

for: water - air - light oils (2°E) - inert gases

MATERIALS

• Valve body:	OT58 UNI 5705 brass stamping
• Seals:	Viton
• Enclosing tube:	AISI 304 stainless steel
• Plunger:	AISI 430 F stainless steel
• Spring:	AISI 302 stainless steel
• Shading ring:	Copper

ELECTRICAL FEATURES

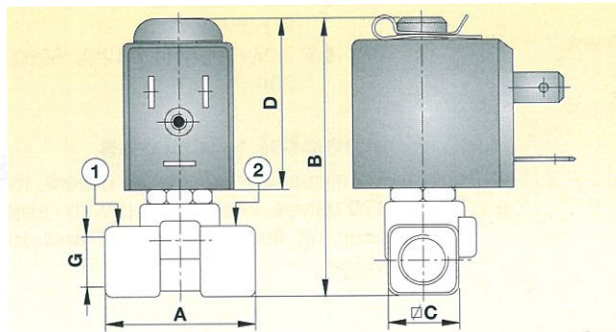
Coil type []		Power [W]		Insulat. class
A.C.(~)	D.C.(=)	A.C.(~)	D.C.(=)	
WB 4,5	WB 5,0	4,5	5,0	

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	174 A	1,5	0,06	0	20	15	W	0,14	1
1/8	174 B	2	0,11	0	15	10	W	0,14	1
1/8	174 F	2,5	0,14	0	10	6	W	0,14	1
1/8	174.4 F	2,5	0,14	0	10	6	W	0,15	1
1/4	174.4 W	2,5	0,14	0	10	6	W	0,15	1

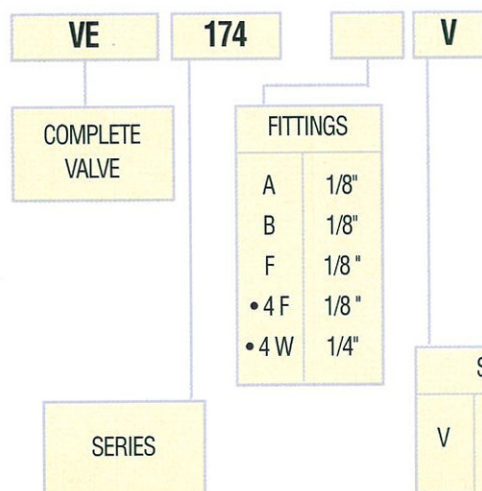
Note: 1) NP (nominal pressure): 25 bar.

DIMENSIONS



Fittings Ø G	A	B	C	D
["]	[mm]	[mm]	[mm]	[mm]
1/8	30	56	14	36
1/4	30	58,5	18	36

ORDER CODE



		[V]		[Hz] / d.c.	
Coil type		24 V 50/60 Hz	115V 50/60 Hz	220-230 V 50/60 Hz	240 V 50/60 Hz
WB 4,5		•	•	•	•
WB 5,0					•

Coil type	24 V / 60 Hz	110-120 V / 60 Hz	208-240 V / 60 Hz
WB 4,5	•	•	•

Note: Valve supplied with coil in a multipack.

Connector to be ordered separately.