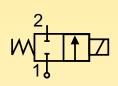
Solenoid Valves for Automation

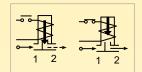
2/2 way - Normally Closed - Direct operated

Series N74



N.C. Normally closed

Coil energised - open Coil de-energised - closed



General description:

PARKER series **N74** 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 **N74** 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 N74 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 **N74** 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:

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

±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 **N74** 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:



• For the coil:

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. coils mark:
 ** WB 4,5 24V/60Hz, 110-120V/60Hz, 208-240V/60Hz



Series N74



66

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

MATERIALS

Valve body: CW617N UNI EN 12165:98 brass stamping

• Seals: Viton

• Enclosing tube: AISI 303 stainless steel • Plunger: AISI 430F stainless steel • Spring: AISI 302 stainless steel

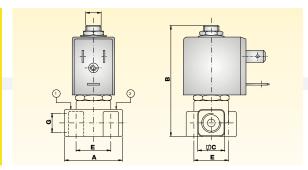
• Shading ring: Copper ELECTRICAL FEATURES

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

z	Fittings Ø G	Valve type	Nominal orifice Ø	Flow coefficient Kv	Minimum pressure	Max di pressure (I	fferential M.O.P.D.)	Coil type	Weight	Notes
ATIOI	["]	[]	[mm]	[m³/h]	[bar]	in A.C.(~) [bar]	in D.C.(=) [bar]	[]	[Kg]	[]
<u>2</u>	1/8	N74.4 A	1,5	0,06	0	20	15	W	0,14	1
ш	1/8	N74.4 B	2	0,11	0	15	10	W	0,14	1
	1/8	N74.4 F	2,5	0,14	0	10	6	W	0,14	1
SPE	1/4	N74.4 W	2,5	0,14	0	10	6	W	0,15	1

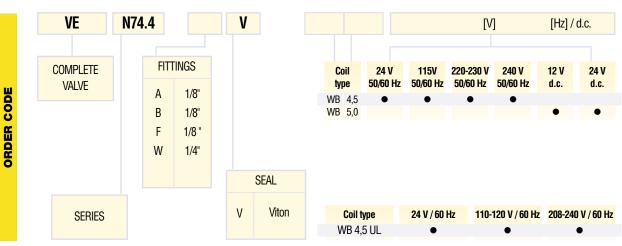
Note: 1) NP (nominal pressure): 25 bar.

DIMENSIONS



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

ORDER CODE



Note: Valve supplied with coil in a multipack.

Connector to be ordered separately.

