



Series 7321B 00 N

2/2-way Pilot Operated, Normally Closed



General application valves for air, neutral gases, water, hydraulic fluids, petroleum products and additional fluids compatible with materials of construction ATEX, NEMA, UL, CSA, DIN & conduit coils available, see detailed electrical parts.

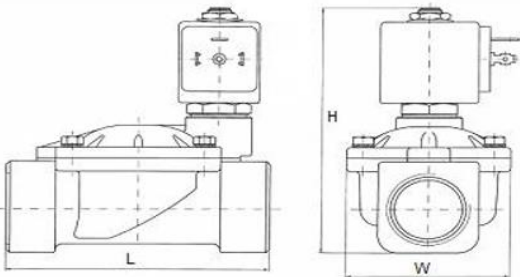
Notes:

We recommend to install a strainer or filter before the valve if fluid is contaminated

DIN 43650A coil:

Protection IP 65 dust and water proof. Solenoid coil when fitted with LED plug + varistor (VDR), to protect supply switch from inductive voltage spikes, and protect coil from burn-out

Dimension:



Differential pressure across the orifice is required to open or close the main orifice, minimum 0.1 bar. When the solenoid is energized, the plunger opens the pilot orifice, relieving pressure from the top of the diaphragm via the outlet side of the valve. The line pressure then opens the valve by lifting the diaphragm off the main orifice.

Standard Materials of Construction:

Valve body: CW617N UNI EN 12165:98 Forged Brass
 Enclosing tube: AISI 304 Stainless Steel
 Plunger: AISI 430F Stainless Steel
 Spring: AISI 302 Stainless Steel
 Sealing material: NBR(Buna N) / FKM / EPDM
 Sharing ring: Copper

Temperatures:

Working fluid temp.: -10 up to max.+90°C
 Ambient temp.for Class F/H coil: -40 up to max. +50 °C

Solenoid Power Consumption:

COIL	CLASS	DC	AC	
			Holding	Attraction cold
481865	F (155°C)	9 W	8 W	26VA / 9W
492425	H (180°C)	14 W	14 W	55VA / 18W

Standard Solenoid Voltage:

481865 coil DC: 24V=
 481865 coil AC: 110,230V 50Hz
 Other voltage available on request
 Voltage tolerance: +/- 10% of the nominal voltage
 Duty cycle: Continuous duty coil ED 100%

Port size	Orifice	Kv Value	Qmax	Admissible differential pressure (bar)			Max fluid temp (°C)	Seat disc	Complete valve		Dimension		
				Min	Max				Valve	Coil	L	W	H
					DC	AC							
3/8	13	3.0	3.0	0.1	20	20	90	NBR	7321BIN	481865	69	40	99.5
1/2	13	3.0	3.0	0.1	20	20	90	NBR	7321BAN	481865	72	40	101.5
3/4	20	8.4	8.4	0.1	20	20	90	NBR	7321BCN	481865	100	65	107.0
1	25	9.6	9.6	0.1	20	20	90	NBR	7321BDN	481865	104	65	112.5
1-1/4	35	25.2	25.2	0.1	10	10	90	NBR	7321BEN	481865	145	102	134.0
1-1/2	40	30.0	30.0	0.1	10	10	90	NBR	7321BFN	481865	145	102	134.0
2	50	37.2	37.2	0.1	10	10	90	NBR	7321BGN	481865	173	118	148.0



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