



Series 221S00F - Stainless Steel

2/2-way Direct Lift, Normally Closed



General application valves for air, vacuum, 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.

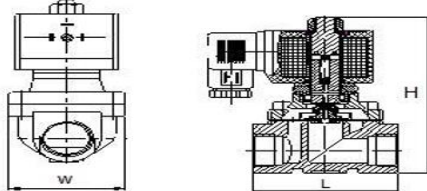
Notes:

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:



Possible to achieve full flow at low pressure and normal operation even at zero pressure. The main orifice is closed by a diaphragm mechanically connected to the movable plunger in which the pilot orifice is located. (NC) When solenoid is energized the movable plunger opens the pilot orific and the diaphragm which is further moved by the plunger during its opening stroke, valve opens.

Standard Materials of Construction:

Valve body: SS 316
 Enclosing tube: AISI 304 Stainless Steel
 Plunger: AISI 430F Stainless Steel
 Spring: AISI 302 Stainless Steel
 Sealing material: FKM

Temperatures:

Working fluid temp.: -10 to 100 / 120 °C
 Ambient temp.: Class F coils -40 up to max. +50 °C
 Class H coils -40 up to max. +80 °C

Solenoid Power Consumption:

COIL	CLASS	DC	AC	
			Holding	Attraction cold
481865	F	9 W	8 W	26VA / 9W
486265	H	14 W	14 W	56VA / 20W

Standard Solenoid Voltage:

481865/6265 coil DC: 24V=
 481865/6265 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	Housing	Coil	L	W	H
					DC	AC								
3/8	15	40	40	0	-	10	100	FKM	221S10F	2995	481865	72	53	100
	15	40	40	0	7	10	120	FKM		4270	486265	72	53	100
1/2	15	50	50	0	-	10	100	FKM	221S15F	2995	481865	72	53	100
	15	50	50	0	7	10	120	FKM		4270	486265	72	53	100
3/4	24	95	95	0	-	10	100	FKM	221S20F	2995	481865	72	53	117
	24	95	95	0	7	10	120	FKM		4270	486265	72	53	117
1	24	105	105	0	-	10	100	FKM	221S25F	2995	481865	83	65	117
	24	105	105	0	7	10	120	FKM		4270	486265	83	65	117

