



Solenoid Valves for On/Off Control Accessories

Remotely start and stop with an in-line solenoid valve for the pump's air line.

Part No.	Description
13412-00-10	3/8" Ported Solenoid Valve,110/50 VAC or 120/60 VAC, for use with A050, A075 and A100 Pumps*
13412-00-12	3/8" Ported Solenoid Valve, 12 VDC, for use with A050, A075 and A100 Pumps*
13412-00-20	3/8" Ported Solenoid Valve, 220/50 VAC or 240/60 VAC, for use with A050, A075 and A100 Pumps*
13412-00-24	3/8" Ported Solenoid Valve, 24 VDC, for use with A050, A075 and A100 Pumps*
13413-00-10	3/4" Ported Solenoid Valve,110/50 VAC or 120/60 VAC, for use with A150, A200, and A300 Pumps
13413-00-12	3/4" Ported Solenoid Valve, 12 VDC, for use with A150, A200, and A300 Pumps
13413-00-20	3/4" Ported Solenoid Valve, 220/50 VAC or 240/60 VAC, for use with A150, A200, and A300 Pumps
13413-00-24	3/4" Ported Solenoid Valve, 24 VDC, for use with A150, A200, and A300 Pumps
13434-00	6' Cord with Din 43650B Female Plug, for use with A050, A075, A100, A150, A200, A300 Pumps
13465-00	Illuminated Connector with 6 foot cord for 110VAC/ 220VAC, A025 Metering Pumps
13466-00	Illuminated Connector with 6 foot cord for 12VDC/ 24VDC, A025 Metering Pumps
13840-26	3/8" Male to 1/4" Male Adapter

^{* 3/8&}quot; to 1/4" Adapter Required





CYCLE CONTROL FOR AIR OPERATED DOUBLE DIAPHRAGM PUMPS

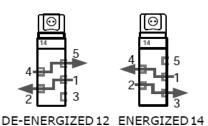
The A025, A050, and A100 can be configured with solenoid pulse control to enable metering and dispensing application. The solenoid is available in 4 voltages, 110VAC, 220VAC, 12VDC and 24VDC. All solenoid equipped pumps have a standard DIN 43650B male connector. The 1/4 inch A025 is available with an optional DIN 43650C male connector. See pump product manual for configuration codes.



A025 SOLENOID ELECTRICAL PROPERTIES					
Voltage	Current (Amps)		Resist.	Power	
+/- 10%	Inrush	Holding	(OHMS @ 25° C)	(AC = VA, DC = Watts)	
110/50	.02	.02	2310	2.4	
110/60	.02	.02	2310	2.4	
220/50	.01	.01	9515	2.4	
220/60	.01	.01	7313	2.4	
12 VDC	.15	.15	78	2.0	
24 VDC	.09	.09	283	2.0	

A050, A075, A100, A200, A300 SOLENOID ELECTRICAL PROPERTIES					
Voltage	Current (Amps)		Resist.	Power	
+/- 10%	Inrush	Holding	(OHMS @ 25° C)	(AC = VA, DC = Watts)	
110/50					
110/60	.08	.05	840	6.9	
220/50	.04	.03	3310	6.4	
220/60	.04	.03	3310	0.4	
12 VDC	.38	.38	32	4.8	
24 VDC	.20	.20	121	4.8	

Valve Operation



5/2 SINGLE

De-Energized:

Pressure from Port 1 to Port 2 Exhaust from Port 4 to Port 5

Energized:

Pressure from Port 1 to Port 4 Exhaust from Port 2 to Port 3

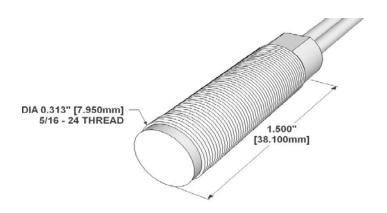


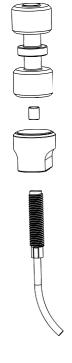


CYCLE COUNTER FOR AIR OPERATED DOUBLE DIAPHRAGM PUMPS

OPERATIONAL DESCRIPTION:

The cycle counter model operates via a magnetically actuated proximity-switch installed into the main air-valve. The switch closes when the spool is in the down position, thus allowing open loop metering applications. This option is available on all pumps. See pump product manual for configuration codes.





1	Configuration*	SP	ST
1	Form*	P	١
1	Contact Position	CENTER	
1	Glass L	14.50	mm
	Glass D	2.54	mm
<u> </u>	Total L*	46.00	mm
Physical	Wire D	0.60	mm
문	Gap Location	CEN	TER
1	Mount Spec*	TH	RU
1	Contact Material	RUTHE	MUIN
1	Max Vibration Resistance	10	G
1	Max Shock Resistance	150	G
	Lead Tensile Strength	N/A	KG
	Pull in (+/- 2AT)*	15 - 23	AT
1	Drop out*	7.5-17.5	AT
١.,	Operate Time	0.10	ms
] <u>:</u>	Bounce Time	0.15	ms
Operating	Release Time	30	μs
۱ĕ	Resonant Frequency	5100	Hz
-	Max Operating Frequency	N/A	Hz
1	Operating Temperature Range	-55 - 105	°C
	Storage Temperature	N/A	°C
	DC Contact Rating	15	W
1	AC Contact Rating	N/A	VA
1	DC Switching Voltage	200	VDC
1	AC Switching Voltage	140	VAC
1_	DC Switching Current	1.00	Α
<u></u>	AC Switching Current	1.00	Α
Electrical	DC Max Carry Current	1.75	Α
#	AC Max Carry Current	1.75	Α
1	Min Breakdown Voltage	275	VDC
1	Max Initial Contact Resistance	100	mOhm
1	Typical Initial Contact Resistance	70	mOhm
1	Max Contact Capacitance	0.30	pF
	Min Insulation Resistance	10^6	Ohm

ķ	Pre-processed,	bare	reed	element	
---	----------------	------	------	---------	--

Accomply	Characteristics
M33CIIIDIY	Cital acteristics

Housing	2250
Housing Material	CELANEX 3316
Reed	1051
Configuration	SPST
Form	Α

Wire/Cable Characteristics

Туре	WIR	WIRES	
Length	6.0/152.4	in/mm	
Conductor Count	2		
Colors	BL	BLK	
Insulation Material & Description	PV	PVC	
Gauge	24	AWG	
Stranded Copper	7	STR-TC	
Maximum temperature	105	°C	

Standard Actuator/Minimum Make Distance

2250-4002-000 - Alnico 5 - Cylinder	.13/3.3	in/mm

Assembly Certifications

UL RECOGNIZED (File #: E102207)	Υ	
RoHS	Υ	

