SOLENOID VALVES | GEM-SOL® | General Purpose

Direct Operated

GEM-SOL® | AL32 (GEM-A | Large orifice)

Large orifice 1/4" 3 Way NC, NO

Technical Data

Function	3 Way NC, NO		
Ports size	1/4" BSP & NPT		
	Bottom orifice : 6.0mm, 8.0mm		
Orifice size	Top orifice : 3mm, 5mm		
	(see table)		
Kv (I/min)	See table		
Tomporatura ranga	Fluid: -10°C to 80°C (no freezing)		
Temperature range	Ambient : -10°C to 50°C		
	Main Valve:		
	Brass or Stainless Steel AISI 316		
Materials in contact	Solenoid Operator:		
with media	Stainless Steel AISI 300 & 400 series		
	Seals:		
	FKM, EPDM, FFKM		
Media	Air, water		
O-day base	Voltage and power consumption - see table		
Coil voltage	All Baccara coil voltages are ± 10% of nominal		
Standard protection close	IP65 with connector		
Standard protection class	* Option : IP68 (please refer to GEM-BP Coil)		

[•] These valves have been especially designed for electronic automatic vacuum milking systems.



Brass | pressure | 6mm orifice

Vacuum Application (bar)

Function				
runction	6.0	8.0		
3 Way NC	-1	-1		
3 Way NO	-1 to 0.5	NA		
Flow factor Kv(I/min)	6	10		

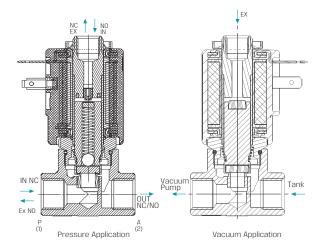
Pressure Application (bar)

Function				
ranction	6.0	8.0		
3 Way NC	1.6	0.5		
3 Way NO (for 3mm top orifice)	1.5	NA		
Flow factor Kv(I/min)	6	10		

Voltage & Power Consumption

AC (W)					DC (M)				
		50 Hz		60 Hz		DC (W)			
V	8	5.5	2.5	8	5.5	2.5	10	5.5	3.5
6							•		
12	•			•			•		
24	•			•			•		
48	•			•			•		
110	•			•			•		
120	•			•					
220	•			•			•		
230	•			•					
240	•			•			•		

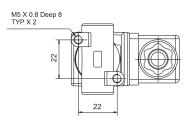
[•] Available options

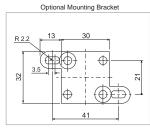


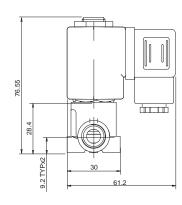


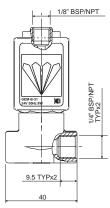
GEM-SOL® | AL32 (GEM-A) | Large orifice 1/4" 3 Way NC, NO

Dimensions









230

240

Latch/other

7

8

9

How to Order



VOLTAGE POWER CONNECTOR without coil No coil with AC8W 50Hz with LED 2 6 flying leads 12 AC8W 60Hz 4 coil * DC10W with 1/2" Hub 24 3 5 surge pro-48 4 tection with 6 LED * connector with moulded 7 5 110 cable 120 6 other 9 220 7A

* SPECIAL OPTIONS | Extended lead times, Non-stock items, MOQ may be applicable

Orifice Table (mm)

Current	Bottom	Тор
DC	6	5
DC	8	5
AC	6	3

Example: GEM-A-220318V-331

GEM-SOL® AL32 (GEM-A) direct operated, Brass, 1/4" BSP, 3W NC, pressure, 6.0 orifice, FKM, 24VDC 10W with connector.

- (1) See Orifice table
- (2) Not available in NO valve
- (3) For specifying Latch type coil, please refer to A3P32 (GEM-A3P)valve How to Order table.
- * Note: When ordering without coil, please define what current and pressure rating is needed (DC, AC or ADC), otherwise an ADC valve will be supplied.

^{*} To order valves manufactured according to your specific requirements, please contact our technical sales department.