STAINLESS STEEL SERVO-ASSISTED DIAPHRAGM SOLENOID VALVE 2/2 NORMALLY CLOSED

Reference(s)
14GJ0F01
14GJ0F02
14GJ0F03

ISO 9001 | CE | IP65



14GJ0F01	14GJ0F02	14GJ0F03
230V-50HZ	24V-50HZ	24VCC

1. Standards

- ✓ Pressure equipment directive 2014/68 3/8'' to 1'' : A4§3
- ✓ Low voltage directive CE 2014/35 1''1/4 to 2'' : category I
- ✓ Connector according to DIN 43650
- ✓ Stainless steel materials according to EN1503-1
- ✓ BSP thread according to ISO 228
- ✓ Sizing according to EN 12516-1

2. Features

Use :	For food fluids or compatible chemical fluids (cf viscosity max)
Size :	3/8'' to 2''
Connection :	Female GAS BSP
Min Temperature :	-10°C
Max Temperature :	+90°C
Max Pressure :	10 bar
Specifications :	Minimum Delta P : 0,5 bar Max viscosity : 50Cst Room temperature : -20°C to +60°C
Materials :	Stainless steel 1.4408

Information provided as an indication and subject to possible modification

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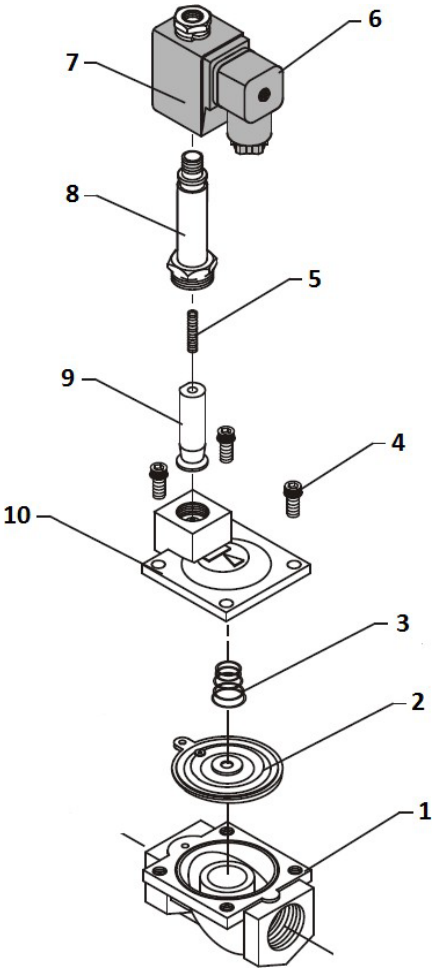
3. Hydraulics characteristics

DN	Port (R) (mm)	Kv (m3/h)	Max. diff. pressure (bar)	Min. diff. pressure (bar)	Operating time (s)
3/8 ''	13	3,4	10	0,5	20-60 ms
1/2''	13	3,4	10	0,5	20-60 ms
3/4 ''	25	8,9	10	0,5	20-60 ms
1''	25	8,9	10	0,5	20-60 ms
1'' 1/4	38	15,8	10	0,5	50-80 ms
1'' 1/2	38	21,3	10	0,5	50-80 ms
2''	50	34,1	10	0,5	50-80 ms

4. Electric characteristics

Coil	Current	Available voltages (V)				Frequency		Power consumption
	AC Coil	24	48	110	230	50 Hz	60 Hz	18,1 VA
	DC Coil	12	24					15 W

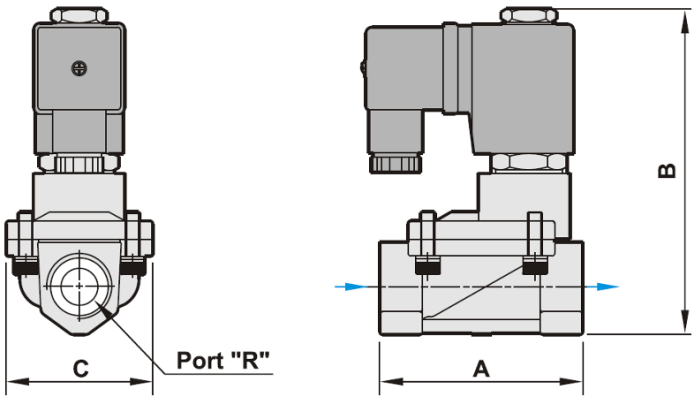
5. Materials



n°	Designation	Matierial
1	Body	Stainless steel 1.4408
2	Diaphragm	FPM
3	Spring	Stainless steel
4	Screw	Stainless steel 1.4301
5	Spring	Stainless steel
6	Conncetor	Plastic
7	Coil	PBT +30 % GF
8	Tube-guide	Stainless steel 1.4301
9	Plunger	Stainless steel 1.4301
10	Cover	Stainless steel 1.4408

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6. Size (in mm)



DN	A	B	C	Weight (kg)
3/8"	66,5	106,5	48	0,75
1/2"	66,5	106,5	48	0,74
3/4"	99	126,5	70	1,57
1"	99	126,5	70	1,44
1" 1/4	131	145,5	96	2,66
1" 1/2	131	145,5	96	2,45
2"	160	160,5	112	3,8

7. Mounting

Installation in every position except horizontaly pip with coil towards the bottom.

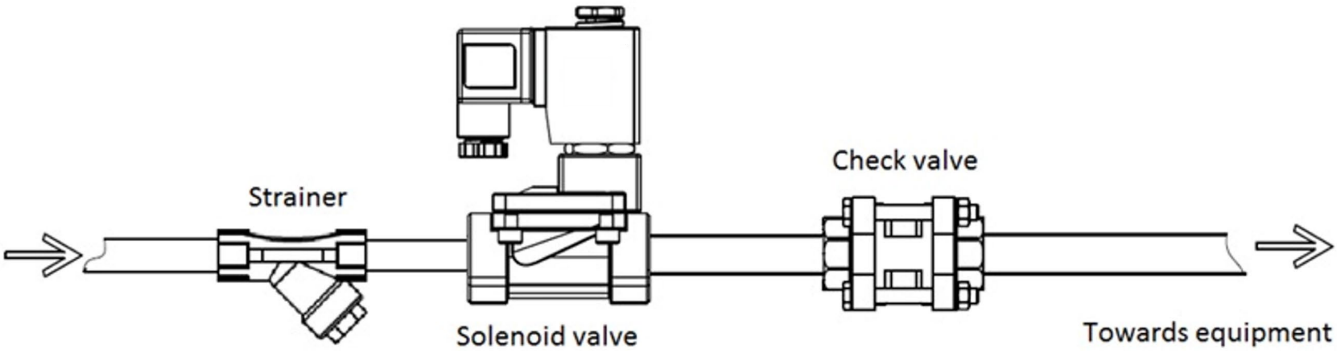
Respect the sense of flow indicated by the arrow marked ont the body.

For an use on liquids, the installation of a strainer for upstream protection is recommanded.

Check-valve :

A solenoid valve cannot be used as a check valve. A de-energized normally closed solenoid valve can be crossed by a downstream counterflow. If a both side tightness is required, please add a check valve downstream of the solenoid valve.

Exemple :



SCaling :

A solenoid valve used on har water and kept energized during long period can face scaling problem that can block the operation. For this kind of application, please consult.

Conform also to the assembly instructions supplied with the solenoid valve.

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