

SOLVLVSS

Datasheet

Stainless Steel
 1/2" - 3"NPT



Electrical:

120VAC 60HZ
 Power: 13W
 Inrush: 45VA
 Max Temp: 311F

Add -24VAC to
 part code for
 24VAC coil
 voltage.

Main characteristics.

Normally closed or normally open.
 Servo-operated action.
 3/4" to 3" BSP or NPT threaded connections.
 Body: stainless steel.
 Core tube SS. 316.
 Plunger and fixed core: SS. 430 F.
 Shading coil: copper, silver or aluminium

*Add -EP to SOLVLVSS for Explosion and Weather Proof Coil

Operating pressure differential

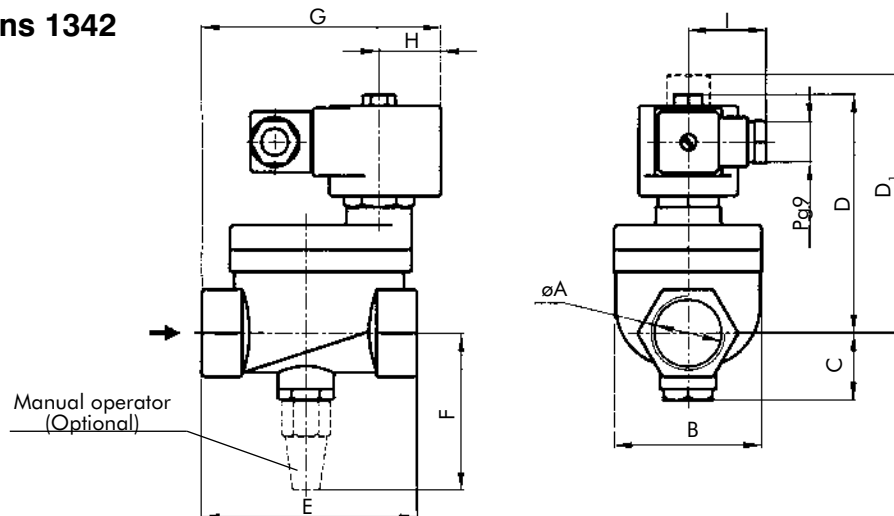
***Advise:** when using direct current (DC), a 25% reduction on the maximum operating pressure differential is expected

Type	Minimum				Maximum	
	Others seats		Buna "N" seat			
	bar	psi	bar	psi	bar	psi
NC	0.5	7.5	0.2	3	15	225
NO	0.5	7.5	0.2	3	10	150

Technical specifications - Brass body

Ø Pipe ins	Ø Orifice		Flow factor		Weight		Maximum temp. and catalog Nº according to seat material	
	mm	ins.	Kv	Cv	kg	Lb	Buna “N”	FKM
							80 °C / 176 °F	150 °C / 302 °F
Normally closed								
3/4”	20	0.79	5	5.9	1.2	2.6	SOLVLVSS34	- FKM
1”	26	1.02	11	13	1.7	3.8	SOLVLVSS1	
1.1/2”	38	1.50	25	29	3.1	6.8	SOLVLVSS112	
2”	50	1.97	40	47	4.1	9.0	SOLVLVSS2	
2.1/2”	76	3.00	66	77	19	42	SOLVLVSS212	
3	76	3.00	85	99	18	40	SOLVLVSS3	
Normally open								
3/4”	20	0.79	5	5.9	1.2	2.6	SOLVLVSSNO34	- FKM
1”	26	1.02	11	13	1.7	3.8	SOLVLVSSNO1	
1.1/2”	38	1.50	25	29	3.1	6.8	SOLVLVSSNO112	
2”	50	1.97	40	47	4.1	9.0	SOLVLVSSNO2	
2.1/2”	76	3.00	66	77	19	42	SOLVLVSSNO212	
3	76	3.00	85	99	18	40	SOLVLVSSNO3	

General dimensions 1342



øA	B	C	D	D ₁	E	F	G	H	I
R 3/4"	52	26	104	114	71	68	84	27	35
R 1"	67	30	108	118	96	72	104		
R 1,1/2"	81	36	119	129	114	79	122		
R 2"	97	44	125	135	128	85	138		
R 2,1/2"-3"	163	89	214	224	224	170	-		

Measurements: mm

øA	B	C	D	D ₁	E	F	G	H	I
R 3/4"	2.05	1.02	4.09	4.49	2.80	2.68	3.31	1.06	1.38
R 1"	2.64	1.18	4.25	4.65	3.78	2.83	4.09		
R 1,1/2"	3.19	1.42	4.69	5.08	4.49	3.11	4.80		
R 2"	3.82	1.73	4.92	5.31	5.04	3.35	5.43		
R 2,1/2"-3"	6.42	3.50	8.43	8.82	8.82	6.69	-		

Measurements: ins.

Applications:

- Pumps. Laundry equipments.
- Irrigation. Compressors. Pollution controls.
- Heating with medium or high pressure steam.
- Autoclaves. Industrial laundry equipments.
- Spraying. Irrigation.
- Air dryers. water treatment.

Shape A DIN 43650 Connection encapsulated coils.
IP65 and NEMA4 Protection.

Recommendations for installation.

Place a strainer upstream the valve with a porosity $\leq 100\mu$.
Mount the valve preferably over horizontal pipeline with the coil upright. The valve input pressure must always be $>$ than the output pressure. In order to allow the normally closed or normally open valve to open, the minimum pressure indicated for each model must be respected.

Find out more

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