

SOLENOID VALVES


2/2 Force Pilot Operated



















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Normally closed force pilot operated solenoid valve suitable for non aggressive gases and fluids. When energized the solenoid first opens the pilot hole and then lifts directly or supported by a pressure difference the diaphragm from the valve seat. The valve is closed by spring power.

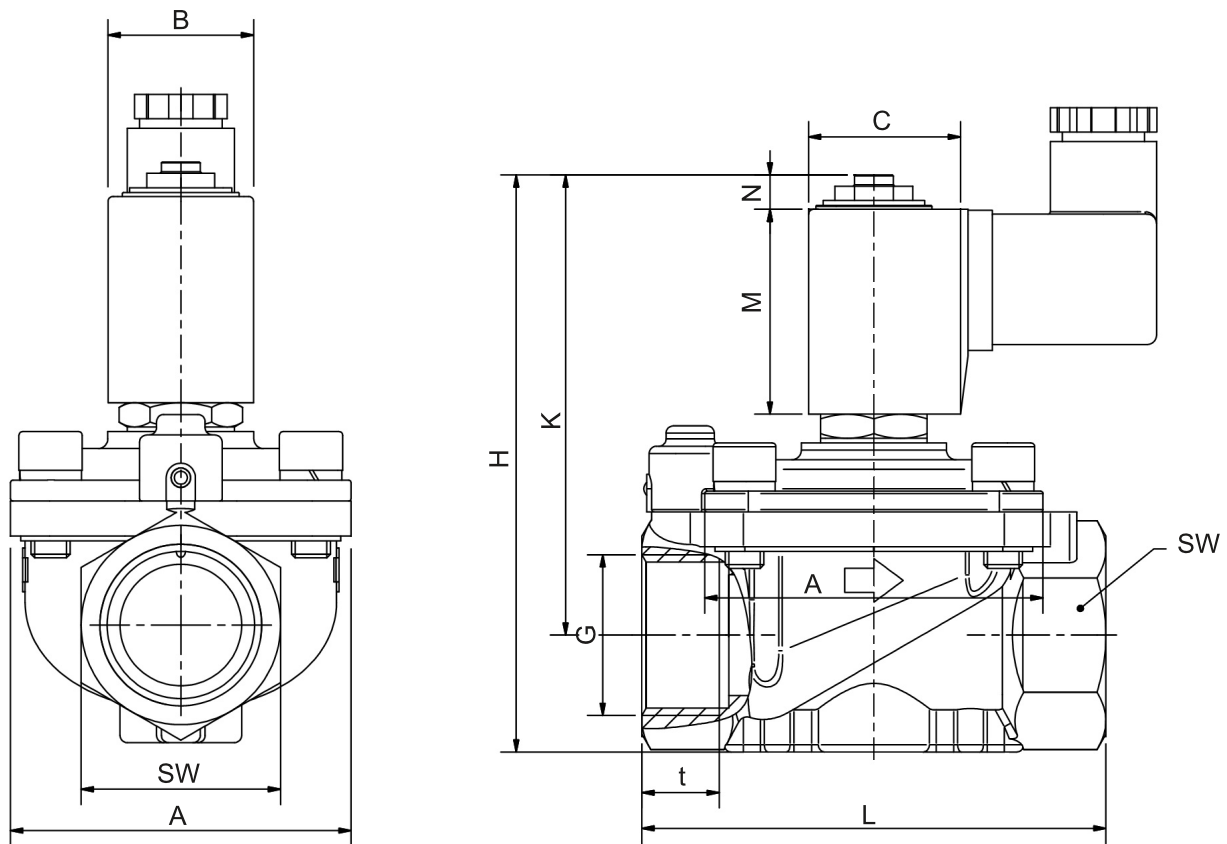
Technical Features

Pressure range:	0-16 bar (see table)
Connection:	Female thread 1/4" - 2" acc. to DIN ISO 228
Standard voltages:	24, 110, 230V/50-60Hz ±10% 12, 24, 110VDC ±10%
Temperature range:	-10...+80°C at 35°C ambient temperature
Viscosity:	Max 22 mm ² /s
Body:	Brass
Metallic internals:	Brass and stainless steel 1.4104 (AISI430F)
Diaphragm:	NBR
Installation:	Actuator only in upright position
Duty factor:	100% ED-VDE0580
Protection class:	IP65 acc. to DIN EN 60529 ATEX II 2G EEx m II T4 / II 2D IP65 T130°C (Valid for models marked  below)
Other:	1 1/4"-2" is equipped with variable close muting as standard

Type	G	Seat mm	Pressure range bar	Power AC	Power DC	Kv m ³ /h
4321E/1001/.032-../..Hz	1/4"	13,5	0-10	18/19VA	11W	-
4321D/1001/.012-../..Hz	1/4"	13,5	0-12	24VA	18,5W	-
4321D/1001/.702-../..Hz	1/4"	13,5	0-16	25W	25W	1,8
4322E/1001/.032-../..Hz	3/8"	13,5	0-10	18/19VA	11W	-
4322D/1001/.012-../..Hz	3/8"	13,5	0-12	24VA	18,5W	-
4322D/1001/.702-../..Hz	3/8"	13,5	0-16	25W	25W	3,6
4323E/1001/.032-../..Hz	1/2"	13,5	0-10	18/19VA	11W	-
4323D/1001/.012-../..Hz	1/2"	13,5	0-12	24VA	18,5W	-
4323D/1001/.702-../..Hz	1/2"	13,5	0-16	25W	25W	3,9
4324E/1001/.032-../..Hz	3/4"	27,5	0-6	18/19VA	11W	-
4324D/1001/.012-../..Hz	3/4"	27,5	0-10	24VA	18,5W	-
4324D/1001/.702-../..Hz	3/4"	27,5	0-16	25W	25W	10,8
4325E/1001/.032-../..Hz	1"	27,5	0-6	18/19VA	11W	-
4325D/1001/.012-../..Hz	1"	27,5	0-10	24VA	18,5W	-
4325D/1001/.702-../..Hz	1"	27,5	0-16	25W	25W	13,0
4326B/1001/.322-../..Hz	1 1/4"	40,0	0-10	30W	30W	-
4326B/1001/.242-../..Hz	1 1/4"	40,0	0-16	46W	46W	22,0
4327B/1001/.322-../..Hz	1 1/2"	40,0	0-10	30W	30W	-
4327B/1001/.242-../..Hz	1 1/2"	40,0	0-16	46W	46W	25,0
4328B/1001/.322-../..Hz	2"	50,0	0-6	30W	30W	-
4328B/1001/.242-../..Hz	2"	50,0	0-16	46W	46W	30,0
4321/1001/.148-../..Hz 	1/4"	13,5	0-4	8,5VA	10W	-
4321/1001/.808-../..Hz 	1/4"	13,5	0-16	24W	24W	-
4322/1001/.148-../..Hz 	3/8"	13,5	0-4	8,5VA	10W	-
4322/1001/.808-../..Hz 	3/8"	13,5	0-16	24W	24W	-
4323/1001/.148-../..Hz 	1/2"	13,5	0-4	8,5VA	10W	-
4323/1001/.808-../..Hz 	1/2"	13,5	0-16	24W	24W	-
4324/1001/.148-../..Hz 	3/4"	27,5	0-4	8,5VA	10W	-
4324/1001/.808-../..Hz 	3/4"	27,5	0-16	24W	24W	-
4325/1001/.148-../..Hz 	1"	27,5	0-4	8,5VA	10W	-
4325/1001/.808-../..Hz 	1"	27,5	0-16	24W	24W	-
4326/1001/.248-../..Hz 	1 1/4"	40,0	0-10	30W	30W	-
4326/1001/.278-../..Hz 	1 1/4"	40,0	0-16	47W	47W	-
4327/1001/.248-../..Hz 	1 1/2"	40,0	0-10	30W	30W	-
4327/1001/.278-../..Hz 	1 1/2"	40,0	0-16	47W	47W	-
4328/1001/.248-../..Hz 	2"	50,0	0-6	30W	30W	-
4328/1001/.278-../..Hz 	2"	50,0	0-16	47W	47W	-

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Dimensions, mm

Benämning	G	A	B	C	H	K	L	M	N	SW	t
4321E/1001/.032-..V/..Hz	1/4"	44	30	39	122	107	67	40	10	27	12
4321D/1001/.012-..V/..Hz	1/4"	44	36	45	122	107	67	40	10	27	12
4321D/1001/.702-..V/..Hz	1/4"	44	36	54	132	119	67	54	10	27	12
4322E/1001/.032-..V/..Hz	3/8"	44	30	39	122	107	67	40	10	27	12
4322D/1001/.012-..V/..Hz	3/8"	44	36	45	122	107	67	40	10	27	12
4322D/1001/.702-..V/..Hz	3/8"	44	36	54	132	119	67	54	10	27	12
4323E/1001/.032-..V/..Hz	1/2"	44	30	39	122	107	67	40	10	27	12
4323D/1001/.012-..V/..Hz	1/2"	44	36	45	122	107	67	40	10	27	12
4323D/1001/.702-..V/..Hz	1/2"	44	36	54	132	119	67	54	10	27	12
4324E/1001/.032-..V/..Hz	3/4"	70	30	39	130	117	96	40	10	41	16
4324D/1001/.012-..V/..Hz	3/4"	70	36	45	150	117	96	40	10	41	16
4324D/1001/.702-..V/..Hz	3/4"	70	36	54	130	127	96	54	10	41	16
4325E/1001/.032-..V/..Hz	1"	70	30	39	150	117	96	40	10	41	16
4325D/1001/.012-..V/..Hz	1"	70	36	45	130	117	96	40	10	41	16
4325D/1001/.702-..V/..Hz	1"	70	36	54	150	127	96	54	10	41	16
4326B/1001/.322-..V/..Hz	1 1/4"	96	Ø63	-	208	175	140	59	16	58	22
4326B/1001/.242-..V/..Hz	1 1/4"	96	Ø77	-	233	200	140	70	19	58	22
4327B/1001/.322-..V/..Hz	1 1/2"	96	Ø63	-	208	175	140	59	16	58	22
4327B/1001/.242-..V/..Hz	1 1/2"	96	Ø77	-	233	200	140	70	19	58	22
4328B/1001/.322-..V/..Hz	2"	112	Ø63	-	242	207	168	59	19	70	25
4328B/1001/.242-..V/..Hz	2"	112	Ø77	-	242	207	168	70	19	70	25

Options

FKM or EPDM diaphragm

Non energized open execution, NO

Manual operation

High temperature execution for mediatemperature up to +130°C