

- > Port size: DN 1,5 ... 5, 1/8" ... 3/8" (ISO G/NPT)
- > Suitable for vacuum
- > High flow rate
- > Functional compact design
- > Body with M5 fastening thread as standard
- > Solenoid interchangeable without tools (*Click-on*)
- > Valve operates without pressure differential
- > International approvals

Click-on
Stainless Steel



Technical features

Medium:
Neutral and slightly aggressive gases and liquid fluids

Switching function:
Normally closed

Operation:
Directly solenoid actuated

Mounting position:
Optional, preferably solenoid vertical on top

Flow direction:
Determined

Port size:
G1/8, G1/4, G3/8
1/8 NPT, 1/4 NPT, 3/8 NPT

Operating pressure:
0 ... 40 bar (0 ... 580 psi)

Fluid temperature:
-10 ... +110°C (+14 ... 230°F)

Ambient temperature:
-10 ... +50°C (+14 ... +122°F)

Material:
Body: Stainless steel (1.4408)
Seat seal: FPM
Internal parts: Stainless steel

For contaminated fluids insertion of a strainer is recommended.

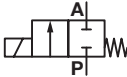
Technical data - standard models - Valves normally closed

Symbol	Port size	Orifice (mm)	Flow kv value *1) (m ³ /h)	Operating pressure *2) (bar) (psi)		Weight (kg)	Typ Solenoid in V d.c.	Typ Solenoid in V a.c.
	G1/8	1,5	0,07	0 ... 25	0 ... 362	0,33	8261803.9101.xxxxx	8261803.9104.xxxxx
	1/8 NPT	1,5	0,07	0 ... 25	0 ... 362	0,33	8462803.9101.xxxxx	8462803.9104.xxxxx
	G1/4	1,5	0,07	0 ... 25	0 ... 362	0,33	8261003.9101.xxxxx	8261003.9104.xxxxx
	1/4 NPT	1,5	0,07	0 ... 25	0 ... 362	0,33	8462003.9101.xxxxx	8462003.9104.xxxxx
	G3/8	1,5	0,07	0 ... 25	0 ... 362	0,33	8261103.9101.xxxxx	8261103.9104.xxxxx
	3/8 NPT	1,5	0,07	0 ... 25	0 ... 362	0,33	8462103.9101.xxxxx	8462103.9104.xxxxx
	G1/8	1,5	0,07	0 ... 70	0 ... 1015	0,57	8261807.9151.xxxxx	8261807.9154.xxxxx
	1/8 NPT	1,5	0,07	0 ... 70	0 ... 1015	0,57	8462807.9151.xxxxx	8462807.9154.xxxxx
	G1/4	1,5	0,07	0 ... 70	0 ... 1015	0,57	8261007.9151.xxxxx	8261007.9154.xxxxx
	1/4 NPT	1,5	0,07	0 ... 70	0 ... 1015	0,57	8462007.9151.xxxxx	8462007.9154.xxxxx
	G3/8	1,5	0,07	0 ... 70	0 ... 1015	0,57	8261107.9151.xxxxx	8261107.9154.xxxxx
	3/8 NPT	1,5	0,07	0 ... 70	0 ... 1015	0,57	8462107.9151.xxxxx	8462107.9154.xxxxx
	G1/8	2,5	0,15	0 ... 10	0 ... 145	0,33	8261823.9101.xxxxx	8261823.9104.xxxxx
	1/8 NPT	2,5	0,15	0 ... 10	0 ... 145	0,33	8462823.9101.xxxxx	8462823.9104.xxxxx
	G1/4	2,5	0,15	0 ... 10	0 ... 145	0,33	8261023.9101.xxxxx	8261023.9104.xxxxx
	1/4 NPT	2,5	0,15	0 ... 10	0 ... 145	0,33	8462023.9101.xxxxx	8462023.9104.xxxxx
	G3/8	2,5	0,15	0 ... 10	0 ... 145	0,33	8261123.9101.xxxxx	8261123.9104.xxxxx
	3/8 NPT	2,5	0,15	0 ... 10	0 ... 145	0,33	8462123.9101.xxxxx	8462123.9104.xxxxx
	G1/8	2,5	0,15	0 ... 40	0 ... 580	0,57	8261823.9151.xxxxx	8261823.9154.xxxxx
	1/8 NPT	2,5	0,15	0 ... 40	0 ... 580	0,57	8462823.9151.xxxxx	8462823.9154.xxxxx
	G1/4	2,5	0,15	0 ... 40	0 ... 580	0,57	8261023.9151.xxxxx	8261023.9154.xxxxx
	1/4 NPT	2,5	0,15	0 ... 40	0 ... 580	0,57	8462023.9151.xxxxx	8462023.9154.xxxxx
	G3/8	2,5	0,15	0 ... 40	0 ... 580	0,57	8261123.9151.xxxxx	8261123.9154.xxxxx
	3/8 NPT	2,5	0,15	0 ... 40	0 ... 580	0,57	8462123.9151.xxxxx	8462123.9154.xxxxx

xxxxx Please insert voltage and frequency codes
*1) Cv-value (US) ≈ kv value x 1,2
*2) For gases and liquid fluids up to 25 mm²/s (cSt)

G1/4 ... 1 max. 16 bar on request

Technical data - standard models - Valves normally closed

Symbol	Port size	Orifice (mm)	Flow kv value *3) (m ³ /h)	Operating pressure *4) (bar) (psi)		Weight (kg)	Typ Solenoid in V d.c.	Typ Solenoid in V a.c.
	G1/8	3	0,21	0 ... 4	0 ... 58	0,33	8261843.9101.xxxxx	8261843.9104.xxxxx
	1/8 NPT	3	0,21	0 ... 4	0 ... 58	0,33	8462843.9101.xxxxx	8462843.9104.xxxxx
	G1/4	3	0,21	0 ... 4	0 ... 58	0,33	8261043.9101.xxxxx	8261043.9104.xxxxx
	1/4 NPT	3	0,21	0 ... 4	0 ... 58	0,33	8462043.9101.xxxxx	8462043.9104.xxxxx
	G3/8	3	0,21	0 ... 4	0 ... 58	0,33	8261143.9101.xxxxx	8261143.9104.xxxxx
	3/8 NPT	3	0,21	0 ... 4	0 ... 58	0,33	8462143.9101.xxxxx	8462143.9104.xxxxx
	G1/8	3	0,21	0 ... 20	0 ... 290	0,57	8261843.9151.xxxxx	8261843.9154.xxxxx
	1/8 NPT	3	0,21	0 ... 20	0 ... 290	0,57	8462843.9151.xxxxx	8462843.9154.xxxxx
	G1/4	3	0,21	0 ... 20	0 ... 290	0,57	8261043.9151.xxxxx	8261043.9154.xxxxx
	1/4 NPT	3	0,21	0 ... 20	0 ... 290	0,57	8462043.9151.xxxxx	8462043.9154.xxxxx
	G3/8	3	0,21	0 ... 20	0 ... 290	0,57	8261143.9151.xxxxx	8261143.9154.xxxxx
	3/8 NPT	3	0,21	0 ... 20	0 ... 290	0,57	8462143.9151.xxxxx	8462143.9154.xxxxx
	G1/8	4	0,35	0 ... 12	0 ... 174	0,57	8261863.9151.xxxxx	8261863.9154.xxxxx
	1/8 NPT	4	0,35	0 ... 12	0 ... 174	0,57	8462863.9151.xxxxx	8462863.9154.xxxxx
	G1/4	4	0,35	0 ... 12	0 ... 174	0,57	8261063.9151.xxxxx	8261063.9154.xxxxx
	1/4 NPT	4	0,35	0 ... 12	0 ... 174	0,57	8462063.9151.xxxxx	8462063.9154.xxxxx
	G3/8	4	0,35	0 ... 12	0 ... 174	0,57	8261163.9151.xxxxx	8261163.9154.xxxxx
	3/8 NPT	4	0,35	0 ... 12	0 ... 174	0,57	8462163.9151.xxxxx	8462163.9154.xxxxx
	G1/8	5	0,5	0 ... 6	0 ... 87	0,57	8261883.9151.xxxxx	8261883.9154.xxxxx
	1/8 NPT	5	0,5	0 ... 6	0 ... 87	0,57	8462883.9151.xxxxx	8462883.9154.xxxxx
	G1/4	5	0,5	0 ... 6	0 ... 87	0,57	8261083.9151.xxxxx	8261083.9154.xxxxx
	1/4 NPT	5	0,5	0 ... 6	0 ... 87	0,57	8462083.9151.xxxxx	8462083.9154.xxxxx
	G3/8	5	0,5	0 ... 6	0 ... 87	0,57	8261183.9151.xxxxx	8261183.9154.xxxxx
	3/8 NPT	5	0,5	0 ... 6	0 ... 87	0,57	8462183.9151.xxxxx	8462183.9154.xxxxx

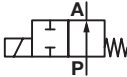
xxxxx Please insert voltage and frequency codes

G1/4 ... 1 max. 16 bar on request

*3) Cv-value (US) \approx kv value x 1,2

*4) For gases and liquid fluids up to 25 mm²/s (cSt)

Technical data - standard models - Valves normally open

Symbol	Port size	Orifice (mm)	Flow kv value *5) (m ³ /h)	Operating pressure *6) (bar) (psi)		Weight (kg)	Model Solenoid in V d.c.	Model Solenoid in V a.c.
	G1/4	1,5	0,07	0 ... 16	0 ... 232	0,33	8261001.9101.xxxxx	8261001.9104.xxxxx
	1/4 NPT	1,5	0,07	0 ... 16	0 ... 232	0,33	8462001.9101.xxxxx	8462001.9104.xxxxx
	G1/4	2,5	0,15	0 ... 6	0 ... 87	0,33	8261021.9101.xxxxx	8261021.9104.xxxxx
	1/4 NPT	2,5	0,15	0 ... 6	0 ... 87	0,33	8462021.9101.xxxxx	8462021.9104.xxxxx
	G1/4	2,5	0,15	0 ... 25	0 ... 362	0,57	8261021.9151.xxxxx	8261021.9154.xxxxx
	1/4 NPT	2,5	0,15	0 ... 25	0 ... 362	0,57	8462021.9151.xxxxx	8462021.9154.xxxxx
	G1/4	3	0,21	0 ... 3	0 ... 43	0,33	8261041.9101.xxxxx	8261041.9104.xxxxx
	1/4 NPT	3	0,21	0 ... 3	0 ... 43	0,33	8462041.9101.xxxxx	8462041.9104.xxxxx
	G1/4	3	0,21	0 ... 16	0 ... 232	0,57	8261041.9151.xxxxx	8261041.9154.xxxxx
	1/4 NPT	3	0,21	0 ... 16	0 ... 232	0,57	8462041.9151.xxxxx	8462041.9154.xxxxx
	G1/4	4	0,35	0 ... 8	0 ... 116	0,57	8261061.9151.xxxxx	8261061.9154.xxxxx
	1/4 NPT	4	0,35	0 ... 8	0 ... 116	0,57	8462061.9151.xxxxx	8462061.9154.xxxxx

xxxxx Please insert voltage and frequency codes

G1/4 ... 1 max. 16 bar on request

*5) Cv-value (US) \approx kv value x 1,2

*6) For gases and liquid fluids up to 25 mm²/s (cSt)

Option selector
8★6★ ★★ ★★ . ★ ★ ★ ★ . ★ ★ ★ ★ ★

Thread form	Substitute
ISO G	261
NPT	462
Port size	Substitute
1/8	8
1/4	0
3/8	1
Valve options	Substitute
Normally open (NO), DN 1,5 Operating pressure 0 ... 16 bar	01
Normally closed (NC), DN 1,5 Operating pressure 0 ... 25 bar	03
Normally closed (NC), DN 1,5 Operating pressure 0 ... 70 bar	07
Normally open (NO), DN 2,5 Operating pressure 0 ... 6 bar (with solenoid 9101)	21
Normally open (NO), DN 2,5 Operating pressure 0 ... 25 bar (with solenoid 9151)	21
Normally closed (NC), DN 2,5 Operating pressure 0 ... 10 bar (with solenoid 9101)	23
Normally closed (NC), DN 2,5 Operating pressure 0 ... 40 bar (with solenoid 9151)	23
Normally open (NO), DN 3 Operating pressure 0 ... 3 bar (with solenoid 9101)	41
Normally open (NO), DN 3 Operating pressure 0 ... 16 bar (with solenoid 9151)	41
Normally closed (NC), DN 3 Operating pressure 0 ... 4 bar (with solenoid 9101)	43
Normally closed (NC), DN 3 Operating pressure 0 ... 20 bar (with solenoid 9151)	43
Normally open (NO), DN 4 Operating pressure 0 ... 8 bar (with solenoid 9151)	61
Normally closed (NC), DN 4 Operating pressure 0 ... 12 bar (with solenoid 9151)	63
Normally closed (NC), DN 5 Operating pressure 0 ... 6 bar (with solenoid 9151)	83

Frequency	Substitute
See table frequency codes	xx
Voltage	Substitute
See Voltage codes	xxx
Solenoid options	Substitute
Solenoid 9101 in d.c.	9101
Solenoid 9104 in a.c.	9104
Solenoid 9151 in d.c.	9151
Solenoid 9154 in a.c.	9154

Standard solenoid systems

Voltage and Frequency Solenoid 9101/9104 *7)					
Code Voltage	Code Frequency	Voltage	Frequency	Power consumption	
				Inrush	Holding
024	00	24 V d.c.	-	8 W	8 W
024	49	24 V a.c.*8)	40 ... 60 Hz	9 VA	9 VA
110	49	110 V a.c.*8)	40 ... 60 Hz	9 VA	9 VA
120	49	120 V a.c.*8)	40 ... 60 Hz	9 VA	9 VA
230	49	230 V a.c.*8)	40 ... 60 Hz	9 VA	9 VA
Voltage and Frequency Solenoid 9151/9154 *7)					
024	00	24 V d.c.	-	18 W	18 W
024	49	24 V a.c.*8)	40 ... 60 Hz	20 VA	20 VA
110	49	110 V a.c.*8)	40 ... 60 Hz	20 VA	20 VA
120	49	120 V a.c.*8)	40 ... 60 Hz	20 VA	20 VA
230	49	230 V a.c.*8)	40 ... 60 Hz	20 VA	20 VA



*7) c_{us} coil only

*8) a.c. only with rectifier plug

Further versions on request!

Electrical details for all solenoid systems

Design	DIN VDE 0580
Voltage range	±10%
Duty cycle	100% ED
Protection class	EN 60529 IP65
Socket	Form A acc. to DIN EN 175301-803 (included)

According to DIN VDE 0580 at a solenoid temperature of +20°C.

At operating state temperature the input power of a coil decreases by up to ca. 30% due to physical reasons.

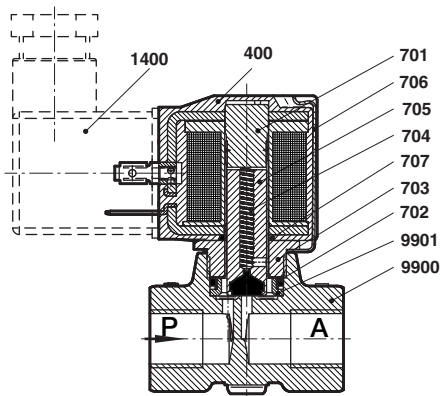
Additional solenoid systems for hazardous areas

ATEX category	ATEX protection class	IP protection class	Solenoid	Standard voltages
II 2G II 2D	Ex eb mb IIC T4 Gb Ex mb tb IIIB T125°C Db	IP66	6106	24 V DC, 110 V AC, 230 V AC
II 2G II 2D	Ex eb mb IIC T4 Gb Ex mb tb IIIB T125°C Db	IP66	6126 *9)	24 V DC, 110 V AC, 230 V AC
II 3G II 3D	Ex ec IIC T4 Gc Ex tc IIIC T130°C Dc	IP65	9116	24 V DC, 110 V AC, 230 V AC
I 3G II 3D	Ex ec IIC T4 Gc Ex tc IIIC T130°C Dc	IP65	9176	24 V DC, 110 V AC, 230 V AC

Attention!

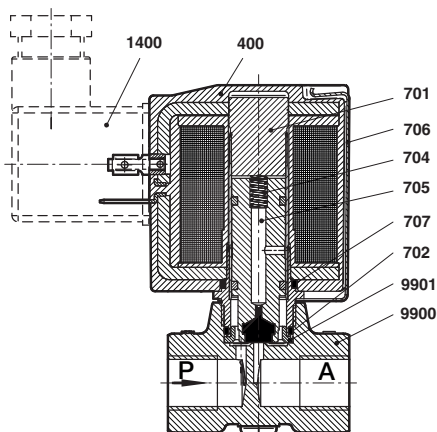
The conditions imposed on the Ex approvals lead to reduction of the permissible standard temperature ranges in the cases of explosion protected solenoids.

*9) from G1 1/4 / 1 1/4 NPT (16 bar)

Section View
G1/8 ... 3/8
Solenoid 9101


No.	Description
400	Solenoid
701	Core tube
*702	O-ring
703	Screw piece
*704	Pressure spring
*705	Core
706	Spring clip
*707	O-ring
1400	Socket (included)
9900	Valve body
9901	Spacer

* These individual parts form a complete wearing unit.
 When ordering spare parts please state Model No. and Series No.

G1/8 ... 3/8
Solenoid 9151


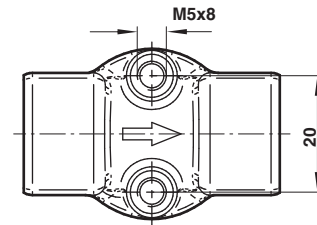
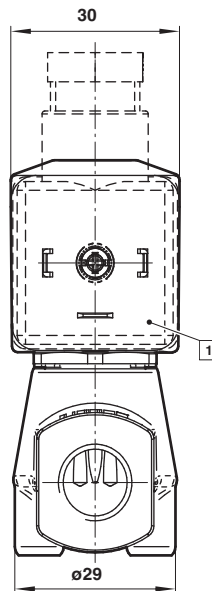
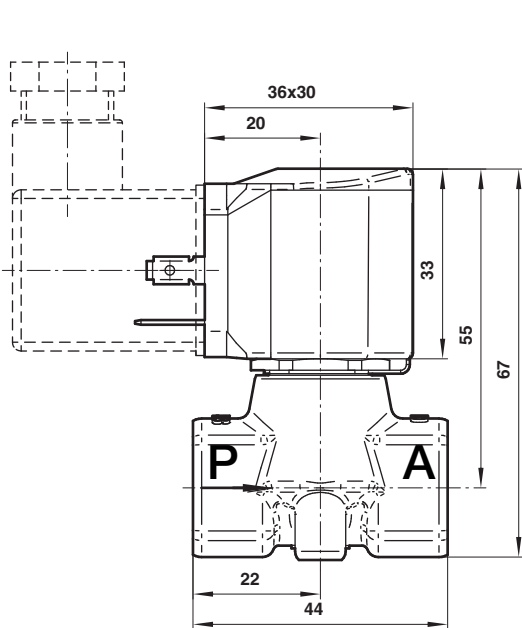
No.	Description
400	Solenoid
701	Core tube
*702	O-ring
*704	Pressure spring
*705	Core
706	Spring clip
*707	O-ring
1400	Socket (included)
9900	Valve body
9901	Spacer

* These individual parts form a complete wearing unit.
 When ordering spare parts please state Model No. and Series No.

Dimensions

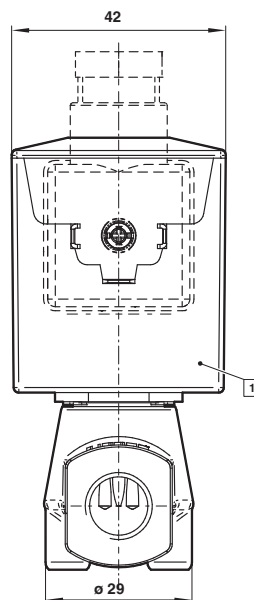
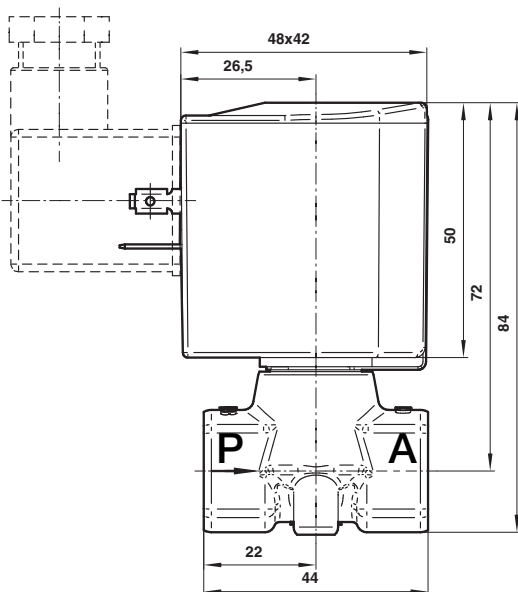
Solenoid 9101

Dimensions in mm
Projection/First angle



1 Solenoid rotatable 360°
Socket turnable 4 x 90°
(Socket included)

Solenoid 9151



1 Solenoid rotatable 360°
Socket turnable 4 x 90°
(Socket included)

Note to Pressure Equipment Directive (PED):

The valves of this series are according to Art. 4 § 3 of the Pressure Equipment Directive (PED) 2014/68/EU. This means interpretation and production are in accordance to engineers practice wellknown in the member countries. The CE-sign at the valve does not refer to the PED. Thus the declaration of conformity is not longer applicable for this directive.

Note to Electromagnetic Compatibility Guideline (EEC):

The valves shall be provided with an electrical circuit which ensures the limits of the harmonised standards EN 61000-6-3 and EN 61000-6-1 are observed, and hence the requirements of the Electromagnetic Compatibility Guideline (2014/30/EU) satisfied.

Note to EAC marking:

The EAC-marked products comply with the applicable requirements stated in the technical regulations of the Eurasian Economic Union.