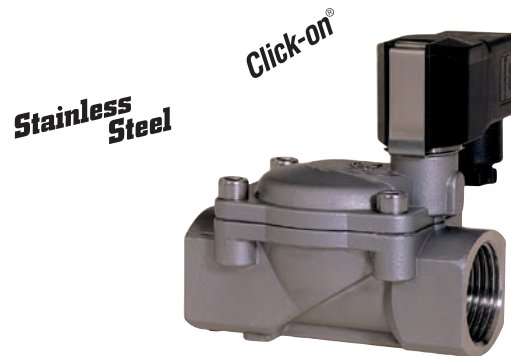


- > Port size: DN 8 ... 50, 1/4" ... 2" (ISO G/NPT)
- > High flow rate
- > Damped operation
- > Functional compact design
- > Solenoid interchangeable without tools (*Click-on*)



Technical features

Medium:
Slightly aggressive gases and liquid fluids

Switching function:
Normally closed

Operation:
Indirectly solenoid actuated

Mounting position:
Optional, preferably solenoid vertical on top

Flow direction:
Determined

Port size:
G1/4, G3/8, G1/2, G3/4, G1, G1 1/4, G1 1/2, G2

1/4 NPT, 3/8 NPT, 1/2 NPT, 3/4 NPT, 1 NPT, 1 1/4 NPT, 1 1/2 NPT, 2 NPT

Operating pressure:
See table

Differential pressure:
0,1 bar (1,45 psi) required

Fluid temperature:
-10° ... +90°C (+14° ... +194°F)

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

Material:
Body: Stainless steel (1.4408)
Seat seal: NBR
Internal parts: Stainless steel, PVDF

For contaminated fluids insertion of a strainer is recommended.

Technical data - standard models

Symbol	Port size	Orifice (mm)	Valve length (mm)	Flow kv value *1) (m³/h)	Operating pressure *2) (bar)	Weight (kg)	Model Solenoid in d.c./a.c.
	G1/4	8	60	1,9	0,1 ... 16	0,47	8273000.9101.xxxxx
	1/4 NPT	8	60	1,9	0,1 ... 16	0,47	8274000.9101.xxxxx
	G3/8	10	60	3	0,1 ... 16	0,45	8273100.9101.xxxxx
	3/8 NPT	10	60	3	0,1 ... 16	0,45	8274100.9101.xxxxx
	G1/2	12	67	3,8	0,1 ... 16	0,5	8273200.9101.xxxxx
	1/2 NPT	12	67	3,8	0,1 ... 16	0,5	8274200.9101.xxxxx
	G3/4	20	80	6,1	0,1 ... 16	0,65	8273300.9101.xxxxx
	3/4 NPT	20	80	6,1	0,1 ... 16	0,65	8274300.9101.xxxxx
	G1	25	95	9,5	0,1 ... 16	0,95	8273400.9101.xxxxx
	1 NPT	25	95	9,5	0,1 ... 16	0,95	8274400.9101.xxxxx
	G1 1/4	32	132	23	0,1 ... 10	2,6	8273500.9101.xxxxx
	1 1/4 NPT	32	132	23	0,1 ... 10	2,6	8274500.9101.xxxxx
	G1 1/4	32	132	23	0,1 ... 16	2,6	8273500.9151.xxxxx
	1 1/4 NPT	32	132	23	0,1 ... 16	2,6	8274500.9151.xxxxx
	G1 1/2	40	132	25	0,1 ... 10	2,84	8273600.9101.xxxxx
	1 1/2 NPT	40	132	25	0,1 ... 10	2,84	8274600.9101.xxxxx
	G1 1/2	40	132	25	0,1 ... 16	2,84	8273600.9151.xxxxx
	1 1/2 NPT	40	132	25	0,1 ... 16	2,84	8274600.9151.xxxxx
	G2	50	160	41	0,1 ... 10	3,85	8273700.9101.xxxxx
	2 NPT	50	160	41	0,1 ... 10	3,85	8274700.9101.xxxxx
G2	50	160	41	0,1 ... 16	3,85	8273700.9151.xxxxx	
2 NPT	50	160	41	0,1 ... 16	3,85	8274700.9151.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)

Option selector

827*****.*****

Thread form	Substitute
ISO G	3
NPT	4
Port size	Substitute
1/4"	0
3/8"	1
1/2"	2
3/4"	3
1"	4
1 1/4"	5
1 1/2"	6
2"	7
Valve options	Substitute
Normally open (NO), from G1 1/4 with solenoid 9151 0,1 ... 16 bar (14,5 ... 232 psi)	01
Manual override	02
Seat seal FPM, Fluid temperature -5 ... +110°C	03
Seat seal EPDM, for hot water, Fluid temperature +110°C 0,3 ... 16 bar (up to G1) 0,3 ... 10 bar (from G1 1/4)	14
Core tube stainless steel, Seat seal FPM, Fluid temperature +110°C for a.c. solenoid with rectifier	50
Version for drinking water with test according to KTW	88

Frequency	Substitute
See table frequency codes	xx
Voltage	Substitute
See Voltage codes	xxx
Solenoid options	Substitute
G1/4 ... 1 Operating pressure 0,1 ... 16 bar (14,5 ... 232 psi)	9101
G1 1/4 ... 2 Operating pressure 0,1 ... 10 bar (14,5 ... 145 psi)	9101
G1 1/4 ... 2 Operating pressure 0,1 ... 16 bar (14,5 ... 232 psi)	9151

Standard solenoid systems

Voltage and Frequency Solenoid 9101 *1) *2)					
Code	Code	Voltage	Frequency	Power consumption	
Voltage	Frequency			Inrush	Holding
024	00	24 V d.c.	-	8 W	8 W
024	50	24 V a.c.	50 Hz	15 VA	12 VA
110	50	110 V a.c.	50 Hz	15 VA	12 VA
120	60	120 V a.c.	60 Hz	15 VA	12 VA
230	50	230 V a.c.	50 Hz	15 VA	12 VA
Voltage and Frequency Solenoid 9151 *1) *2)					
024	00	24 V d.c.	-	18 W	18 W
024	50	24 V a.c.	50 Hz	45 VA	35 VA
110	50	110 V a.c.	50 Hz	45 VA	35 VA
120	60	120 V a.c.	60 Hz	45 VA	35 VA
230	50	230 V a.c.	50 Hz	45 VA	35 VA

*1) _{US} Coil only

*2) **Attention!** Standard core tube with copper shading coil.
Look for fluid resistant further options

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 coil temperature of +20°C.
At operating state temperature the input power of a coil decreases by up to ca. 30% due to physical reasons.

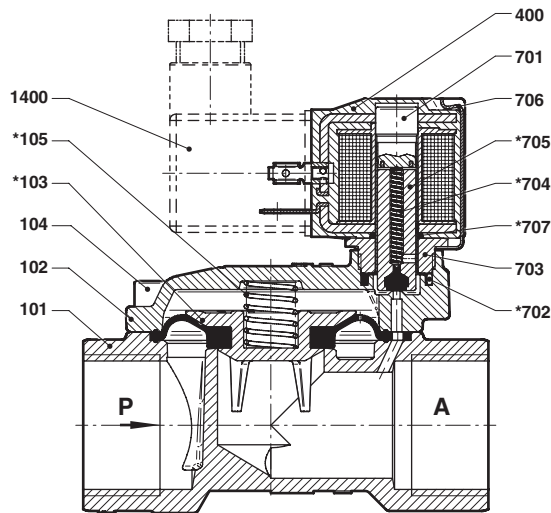


Additional solenoid systems

ATEX category	Protection class	Solenoid	Standard voltages
I/2GD	EEx m II T4 T 130°C with 3 m connection cable	9136	24 V d.c., 110 V a.c., 230 V a.c.

Attention!

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

Section View
G1/4 ... 2
1/4 ... 2 NPT


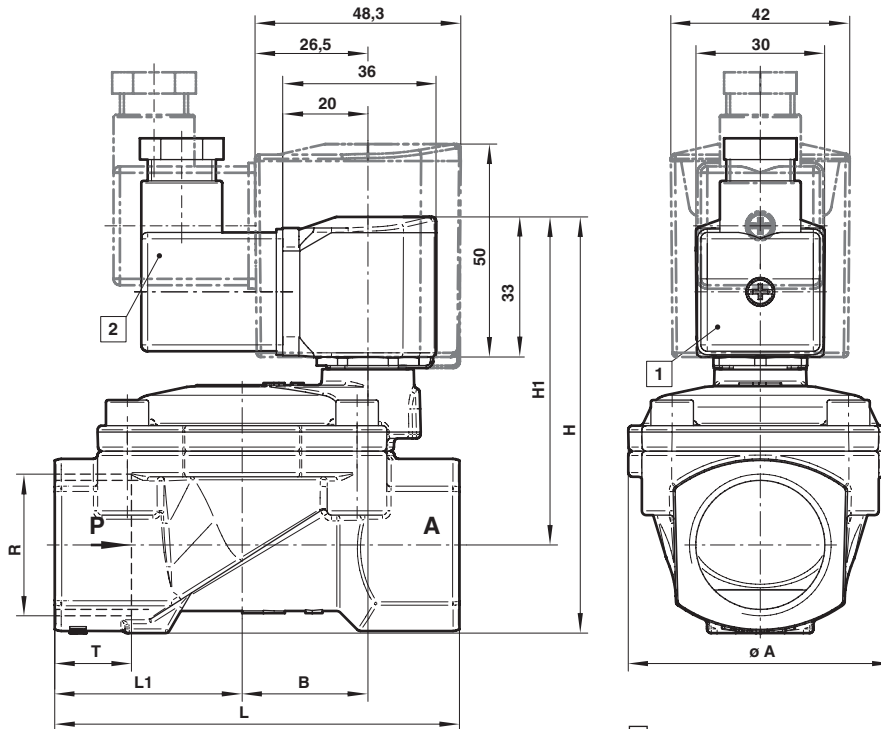
No.	Description
101	Valve body
102	Valve cover
*103	Diaphragm
104	Allen head screw
*105	Pressure spring
400	Solenoid
701	Core tube
*702	O-ring
703	Screw piece
*704	Pressure spring
*705	Plunger
706	Spring clip
*707	O-ring
1400	Socket (included)

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

Dimensions

**G1/4 ... 2
1/4 ... 2 NPT**

Dimensions in mm
Projection/First angle



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

Port size R	A	B	H	H1	L	L1	T	Model
G1/4	44	19,5	78,5	67	60	27,5	12	8273000.9101.xxxxx
1/4 NPT	44	19,5	78,5	67	60	27,5	10	8274000.9101.xxxxx
G3/8	44	19,5	78,5	67	60	27,5	12	8273100.9101.xxxxx
3/8 NPT	44	19,5	78,5	67	60	27,5	10,5	8274100.9101.xxxxx
G1/2	44	19,5	81	67	67	31	14	8273200.9101.xxxxx
1/2 NPT	44	19,5	81	67	67	31	13,5	8274200.9101.xxxxx
G3/4	50	24	88	71,5	80	36,5	16	8273300.9101.xxxxx
3/4 NPT	50	24	88	71,5	80	36,5	14	8274300.9101.xxxxx
G1	62	29,5	97,5	77	95	44	18	8273400.9101.xxxxx
1 NPT	62	29,5	97,5	77	95	44	17	8274400.9101.xxxxx
G 1 1/4	92	44,5	124,5	95,5	132	60	20	8273500.9101.xxxxx
1 1/4 NPT	92	44,5	124,5	95,5	132	60	17	8274500.9101.xxxxx
G1 1/2	92	44,5	124,5	95,5	132	60	22	8273600.9101.xxxxx
1 1/2 NPT	92	44,5	124,5	95,5	132	60	17	8274600.9101.xxxxx
G2	109	54,5	142,5	108	160	74	24	8273700.9101.xxxxx
2 NPT	109	54,5	142,5	108	160	74	17,5	8274700.9101.xxxxx

Hinweis zur Druckgeräterichtlinie (DGRL):

Die Ventile dieser Baureihe entsprechen Art. 3 Abs. (3) der Druckgeräterichtlinie (DGRL) 97/23/EG. Das bedeutet Auslegung und Herstellung nach der im Mitgliedsstaat geltenden guten Ingenieurpraxis.

Die CE-Kennzeichnung am Ventil bezieht sich nicht auf die DGRL. Somit entfällt die Konformitätserklärung nach dieser Richtlinie.

Hinweis zur EMV-Richtlinie:

Durch eine geeignete elektrische Beschaltung der Ventile ist sicherzustellen, dass die Grenzwerte der harmonisierten Normen EN 61000-6-3 und EN 61000-6-1 eingehalten werden und damit die Richtlinie 2004/108/EG (Elektromagnetische Verträglichkeit) erfüllt ist.