

- > Port size: DN 8 ... 50, G1/4 ... 2, 1/2 ... 2 NPT
- > High flow rate
- > For robust industry applications
- > Damped operation
- > For systems with low or fluctuating pressure

> Valve operates without differential pressure



### Technical features

**Medium:**

Air, water, gases according to DVGW data sheet G 260 with seat seal FPM, oils and other fluids on request

**Switching function:**

Normally closed

**Operation:**

Solenoid operated, with forced lifting

**Mounting:**

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:**

0 ... 25 bar (0 ... 362 psi)

**Fluid temperature:**

-10 ... +60°C (+14 ... +140°F)

**Ambient temperature:**

-10 ... +50°C (+14 ... +122°F)

**Qualification approval:**

Single-channel safety-related systems in 85840 accordance with DIN EN 61508 / 61511 up to and including SIL 2 and up to and including SIL 3 in multi-channel systems.

**Materials:**

Body: Stainless steel (1.4408)  
Seat seal: NBR  
Internal parts: Stainless steel, PTFE/carbon

### Technical data - standard models

Symbol	Port size	Orifice (mm)	Flow kv value *1) (m³/h)	Operating pressure (bar)	Weight (kg)	Model Solenoid in V d.c.	Model Solenoid in V a.c.
	G1/4	8	2	0 ... 25	2,7	8584000.8401.xxxxx	8584000.8404.xxxxx
	1/4 NPT	8	2	0 ... 25	2,7	8585000.8401.xxxxx	8585000.8404.xxxxx
	G3/8	10	3,2	0 ... 25	2,7	8584100.8401.xxxxx	8584100.8404.xxxxx
	3/8 NPT	10	3,2	0 ... 25	2,7	8585100.8401.xxxxx	8585100.8404.xxxxx
	G1/2	12	3,6	0 ... 25	2,8	8584200.8401.xxxxx	8584200.8404.xxxxx
	1/2 NPT	12	3,6	0 ... 25	2,8	8585200.8401.xxxxx	8585200.8404.xxxxx
	G3/4	20	6	0 ... 25	3	8584300.8401.xxxxx	8584300.8404.xxxxx
	3/4 NPT	20	6	0 ... 25	3	8585300.8401.xxxxx	8585300.8404.xxxxx
	G1	25	8,9	0 ... 25	3,4	8584400.8401.xxxxx	8584400.8404.xxxxx
	1 NPT	25	8,9	0 ... 25	3,4	8585400.8401.xxxxx	8585400.8404.xxxxx
	G1 1/4	32	22	0 ... 25	5,6	8584500.8401.xxxxx	8584500.8404.xxxxx
	1 1/4 NPT	32	22	0 ... 25	5,6	8585500.8401.xxxxx	8585500.8404.xxxxx
	G1 1/2	40	22,3	0 ... 25	5,4	8584600.8401.xxxxx	8584600.8404.xxxxx
	1 1/2 NPT	40	22,3	0 ... 25	5,4	8585600.8401.xxxxx	8585600.8404.xxxxx
	G2	50	35	0 ... 25	6,8	8584700.8401.xxxxx	8584700.8404.xxxxx
	2 NPT	50	35	0 ... 25	6,8	8585700.8401.xxxxx	8585700.8404.xxxxx

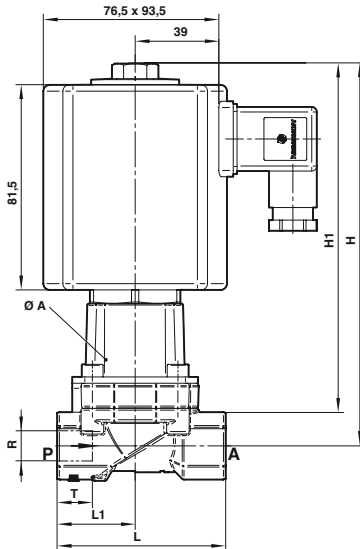
xxxxx Please insert voltage and frequency codes

\*1) Cv-value (US) ≈ kv value x 1,2

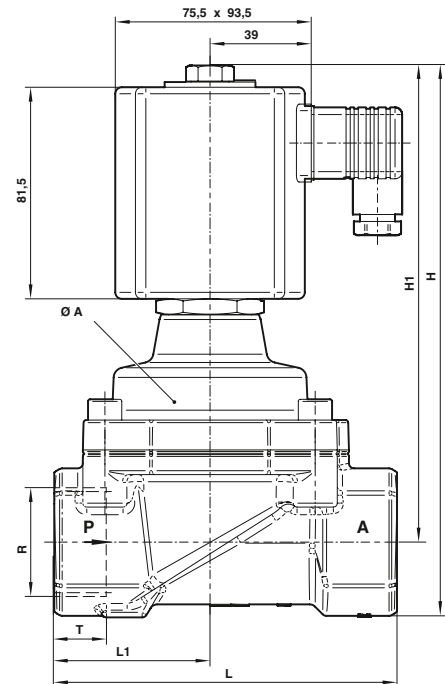


## Dimensions

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



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



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

Port size R	A	H	H1	L	L1	T	Model
G1/4	44	163,5	152,5	60	27	12	8584000.840x.xxxxx
1/4 NPT	44	163,5	152,5	60	27	10	8585000.840x.xxxxx
G3/8	44	163,5	152,5	60	27	12	8584100.840x.xxxxx
3/8 NPT	44	163,5	152,5	60	27	10,5	8585100.840x.xxxxx
G1/2	44	166	152	67	31	14	8584200.840x.xxxxx
1/2 NPT	44	166	152	67	31	13,5	8585200.840x.xxxxx
G3/4	50	174	157,5	80	35,5	16	8584300.840x.xxxxx
3/4 NPT	50	174	157,5	80	35,5	14	8585300.840x.xxxxx
G1	62	184,5	164	95	44	18	8584400.840x.xxxxx
1 NPT	62	184,5	164	95	44	17	8585400.840x.xxxxx
G1 1/4	92	212,5	183,5	132	60	20	8584500.840x.xxxxx
1 1/4 NPT	92	212,5	183,5	132	60	17	8585500.840x.xxxxx
G1 1/2	92	212,5	183,5	132	60	22	8584600.840x.xxxxx
1 1/2 NPT	92	212,5	183,5	132	60	17	8585600.840x.xxxxx
G2	109	226,5	192	160	74	24	8584700.840x.xxxxx
2 NPT	109	226,5	192	160	74	17,5	8585700.840x.xxxxx

### Note to Pressure Equipment Directive (PED):

The valves of this series are according to Art. 3 § 3 of the Pressure Equipment Directive (PED) 97/23/EG. This means interpretation and production are in accordance to engineers practice wellknown in the member countries.

The CE-sign at the valve refers not to the PED. Thus the declaration of conformity is not longer applicable for this directive.

### For valves > DN 25 (G 1) Art. 3 § (1) No.1.4 applies:

The basic requirements of the Enclosure I of the PED must be fulfilled. The CE-sign at the valve includes the PED. A certificate of conformity of this directive will be available on request.

### 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 (2004/108/EG) satisfied.

### Functional safety according to DIN EN 61508 (VDE0803) SIL:

Suitable for certain applications can only be evaluated through examination of each safety-related overall system with regard to the requirements of IEC 61508 / 61511.