- **Port size: DN 15 ... 50, Flange connection, Pressure rating PN 40**
- **High flow rate**
- **For robust industry solutions**
- **Damped operation**
- **Leakage rate E acc. to DIN EN 12266-1**
- **Solenoid interchangeable without tools (*Click-on*®) up to DN 25 thread**
- **Valve operates without differential pressure (Zero Delta P)**
- **Fluids of Group 2 acc. Pressure Equipment Directive 97/23/EC**

Click-on®



Technical features

Medium:
Neutral steam and liquid fluids
Switching function:
Normally closed
Operation:
Solenoid actuated, with forced lifting
Mounting position:
Optional, preferably solenoid vertical on top

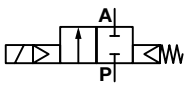
Flow direction:
Determined
Port size:
DN 15, DN 20, DN 25, DN 32, DN 40, DN 50
Operating pressure:
0 … 16 bar (0 ... 232 psi)

Fluid temperature:
0° ... +200°C (+32° ... +392°F)
Ambient temperature:
0° ... +60°C (+32° ... +140°F)

Material:
Body: Stainless steel (1.4408), Brass
Seat seal: PTFE
Internal parts: Stainless steel, PTFE / Carbon / FPM

For contaminated fluids insertion of a strainer is recommended.

Technical data - standard models

Symbol	Orifice (mm)	Flow kv value *1) (m^3/h)	Operating pressure *2) (bar)	Weight (kg)	Model Solenoid in V d.c.	Model Solenoid in V a.c.
	15	3,8	0 ... 16	3,8	8552200.9402.xxxxx	8552200.9406.xxxxx
	20	6,1	0 ... 16	4,2	8552300.9402.xxxxx	8552300.9406.xxxxx
	25	9,5	0 ... 16	4,8	8552400.9402.xxxxx	8552400.9406.xxxxx
	32	23	0 ... 16	9,6	8552500.8402.xxxxx	8552500.8406.xxxxx
	40	25	0 ... 16	10	8552600.8402.xxxxx	8552600.8406.xxxxx
	50	41	0 ... 16	11,5	8552700.8402.xxxxx	8552700.8406.xxxxx

xxxxx Please insert voltage and frequency codes
*1) Cv-value (US) ≈ kv-Wert x 1,2
*2) For gases and liquid fluids up to 80 mm^2/s (cSt)

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Option selector

8552★★★.★★★★.★★★★★

Port size	Substitute
15	**2**
20	**3**
25	**4**
32	**5**
40	**6**
50	**7**

Valve options	Substitute
Normaly open (NO), only with solenoid 8402/8406, Mounting position and fluid temperature: max. +150°C solenoid vertical on top, max.+ 200°C solenoid vertical underneath, from DN 32 Mounting position: solenoid vertical on top	**01**
Manual override	**02**
Seat seal EPDM, Fluid temperature 0 ... +130°C	**14**
Max. operating pressure 25 bar	**22**
Electrical position indicator with two limit switches (Reed contact)	**23**
Flanges acc. to ASME B 16.5 150 lb/ sq.In.	**47**
Flanges acc. to ASME B 16.5 300 lb/ sq.In.	**48**

Frequency	Substitute
See table frequency codes	**xx**
Voltage	**Substitute**
See Voltage codes	**xxx**
Solenoid options	**Substitute**
DN 15 ... 25 Solenoid in V d.c.	**9402**
DN 32 ... 50 Solenoid in V d.c.	**8402**
DN 15 ... 25 Solenoid in V a.c.	**9406**
DN 32 ... 50 Solenoid in V a.c.	**8406**

Standard solenoid systems

Code Voltage	Code Frequency	Voltage	Frequency	Power consumption Inrush	Power consumption Holding
Voltage and Frequency Solenoid 9402/9406 *2)					
024	00	24 V d.c.	-	29 W	29 W
024	49	24 V a.c. *1)	40 … 60 Hz	33 VA	33 VA
110	49	110 V a.c. *1)	40 … 60 Hz	33 VA	33 VA
120	49	120 V a.c. *1)	40 … 60 Hz	33 VA	33 VA
230	49	230 V a.c. *1)	40 … 60 Hz	33 VA	33 VA
Voltage and Frequency Solenoid 8402/8406					
024	00	24 V d.c.	-	29 W	29 W
024	49	24 V a.c. *1)	40 … 60 Hz	33 VA	33 VA
110	49	110 V a.c. *1)	40 … 60 Hz	33 VA	33 VA
120	49	120 V a.c. *1)	40 … 60 Hz	33 VA	33 VA
230	49	230 V a.c. *1)	40 … 60 Hz	33 VA	33 VA

*1) A.c. only wit rectifier plug

*2) r coil only maintaining the ambient temperature of +65°C
(With the expection of solenoid 94XX up to 41 V a.c.)

Further versions on request!

Electrical details for all solenoid systems

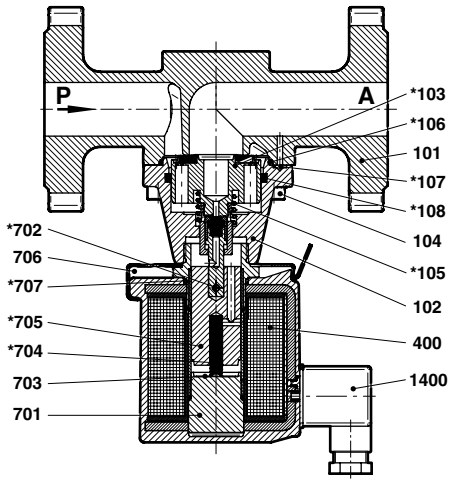
Design	DIN VDE 0580
Voltage range	±10%
Duty cycle	100% ED
Protection class	EN 60529 IP65
Socket	Form A acc. to DIN EN 175301-803 (included)

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.

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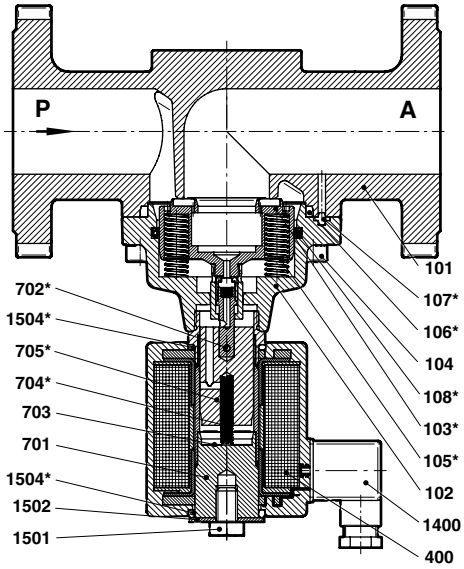
Section View

DN 15 ... 25



No.	Description
101	Valve body
102	Valve cover
*103	Valve piston
104	Straight pin
*105	Pressure spring
*106	Seal ring
*107	Gaskets
*108	Grooved ring
400	Solenoid
701	Core tube
*702	Straight pin
703	Round plate
*704	Pressure spring
*705	Core
706	Spring-clip
*707	O-ring
1400	Socket (included)

DN 32 ... 50



No.	Description
101	Valve body
102	Valve cover
*103	Valve piston
104	Straight pin
*105	Pressure spring (2x)
*106	Seal ring
*107	Gaskets
*108	Grooved ring
400	Solenoid
701	Core tube
*702	Straight pin
703	Round plate
*704	Pressure spring
*705	Core
1400	Socket (included)
1501	Hexagon screw
1502	Round plate
*1504	O-ring (2x)

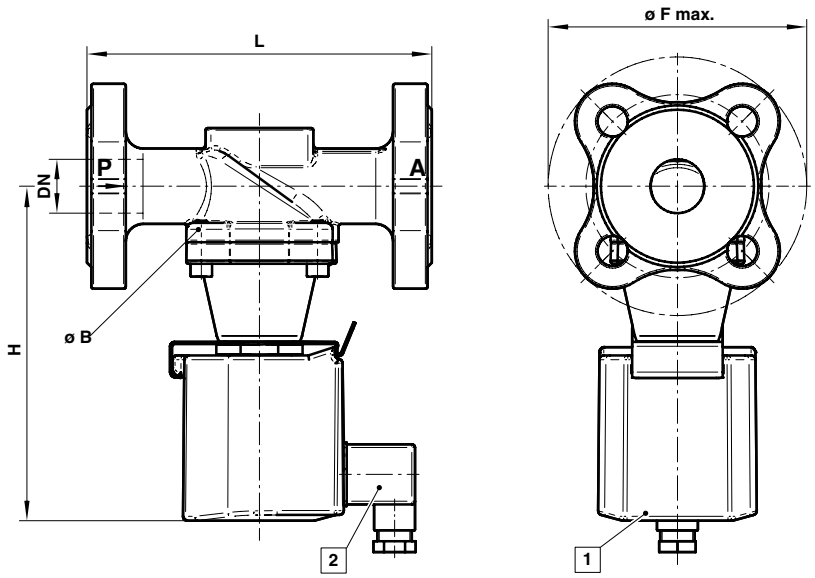
* These individual parts form a complete wearing unit.
When ordering spare parts please state Model No and Series No.

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Dimensions

Dimensions in mm
Projection/First angle

DN 15 ... 25

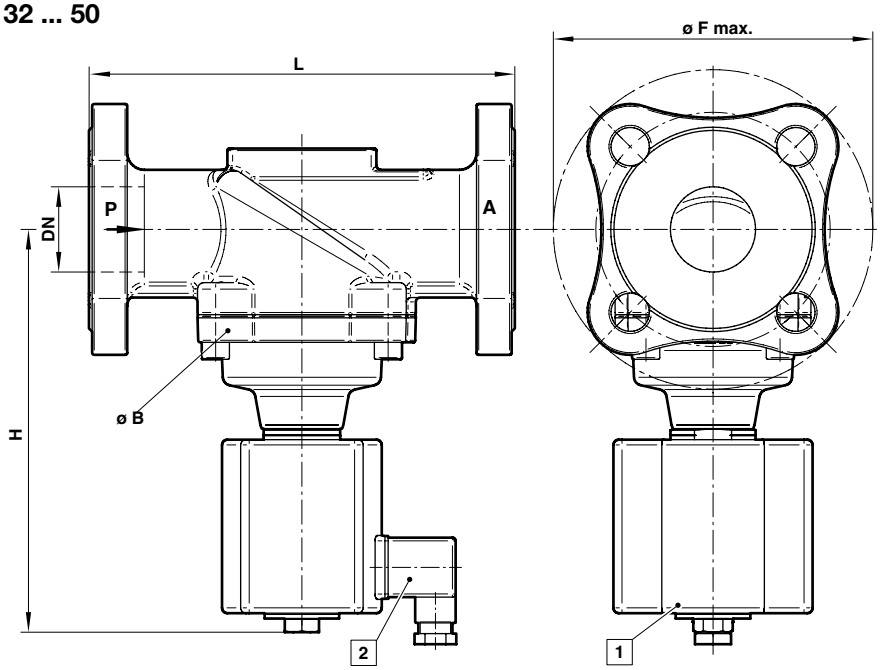


1 Solenoid rotatable 360°
2 Socket turnable 4 x 90°
(Socket included)

Orifice (mm)	ø B	ø F max.	H	L	Model
15	44	96	142	130	8552200.940x.xxxxx
20	50	110	150	150	8552300.940x.xxxxx
25	62	115	155	160	8552400.940x.xxxxx

Contact face acc. to DIN EN 1092-1/B

DN 32 ... 50



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

Orifice (mm)	ø A	ø F max.	H	L	Model
32	92	140	184	180	8552500.840x.xxxxx
40	92	150	189	200	8552600.840x.xxxxx
50	109	165	197	230	8552700.840x.xxxxx

Contact face acc. to DIN EN 1092-1/B

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Note to Pressure Equipment Directive (PED):
The valves of this series, including the connection size DN 25 (G 1), 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) satisfield.

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