2/2-way valves DN 65 to 150

For neutral gases and liquid fluids
Indirectly solenoid actuated
Diaphragm valves
Flange connection PN 16
Operating pressure 0.5 to 10 bar

83580

Description (standard valve)

Solenoid valve for air, water, oil

Switching function:	Normally closed
Flow direction:	determined
Fluid temperature:	–10 °C to max. +90 °C
Ambient temperature:	–10 °C to max. +50 °C
Sum of fluid- and ambient temperature:	max. +130 °C
Mounting position:	optional, solenoid preferably vertical on top

Material

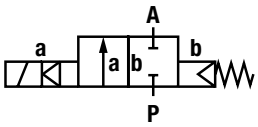
Body:	Grey cast iron
Seat seal:	NBR
Internal parts::	1.4104, 1.4301, 2.1096, 2.0402

For contaminated fluids insertion of a strainer is recommended (see **Buschjost** accessories).

Features

- Adjustable damped operation
- Easily interchangeable solenoid
- Insensitive to deposit
- Low power consumption

Symbol



Ordering information

To order, quote model number from table overleaf, e.g. 8358800.9366 for a DN 65 valve.

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Valve Technology Systems
Detmolder Straße 256
D-32545 Bad Oeynhausen
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NORGREN FLUID CONTROLS

Characteristic data

Valves

Part Number Solenoid with ⎓ or ∼	Nominal Diameter (mm)	Operating pressure * min. (bar)	 max. (bar)	K_V-value ** (Base m^3/h)	Weight (kg)
8358800.9366	65	0.5	10	56	21.3
8358900.9366	80	0.5	10	90	28.6
8359000.9366	100	0.5	10	150	40.2
8359100.9366	125	0.5	10	191	63.0
8359200.9366	150	0.5	10	277	93.0

* for gases and liquid fluids up to 40 mm^2/s (cSt)
** C_V-value (US) ≈ k_V-value x 1.2

State voltage [V] and frequency [Hz]

Solenoid 9366

Standard voltages

DC ⎓	AC ∼ 50 Hz	AC ∼ 60 Hz
24 V	24 V	–
–	110 V	120 V
–	230 V	220 V

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

Power Consumption

According to DIN VDE 0580 at coil temperature +20 °C.
In operation the power consumption of the solenoid decreases by approx. 30 %.

Solenoid	DC ⎓	AC ∼ Inrush	Holding
9366	18 W	106 VA	35 VA

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

Further Options (Valves)

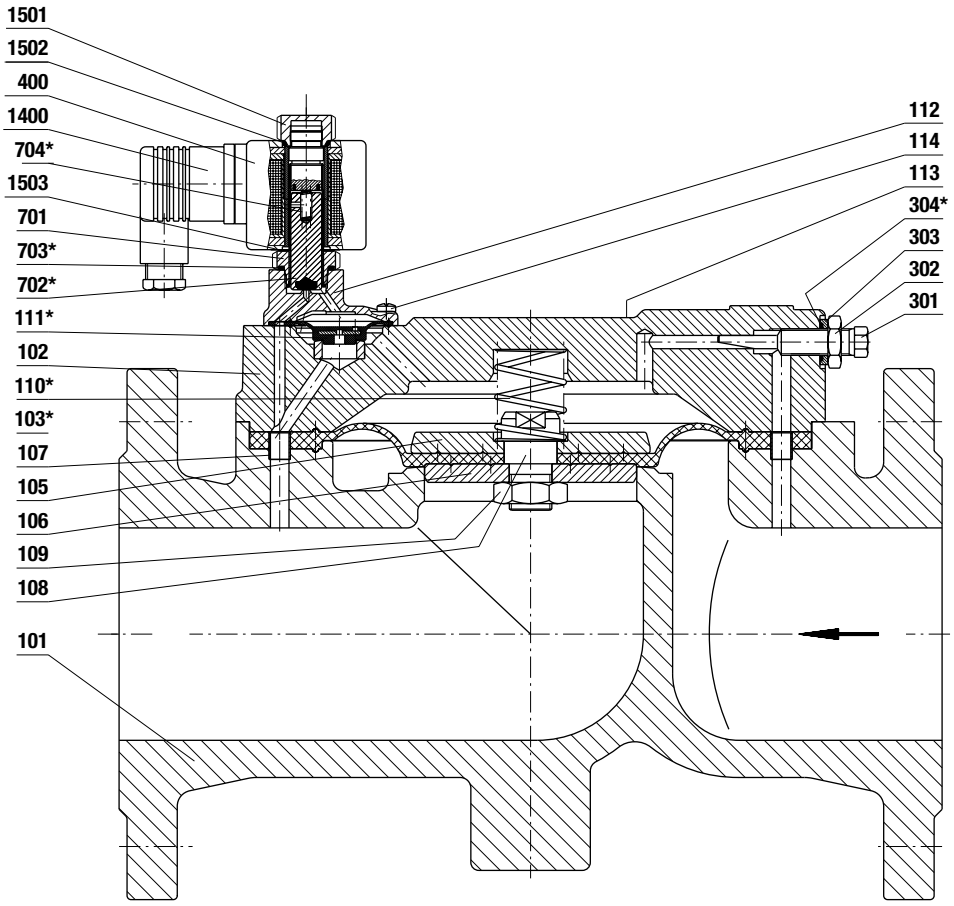
XXXXX**01**.XXXX Normally open

On request Further versions

Further Options (Solenoids)

On request Further versions

Section view

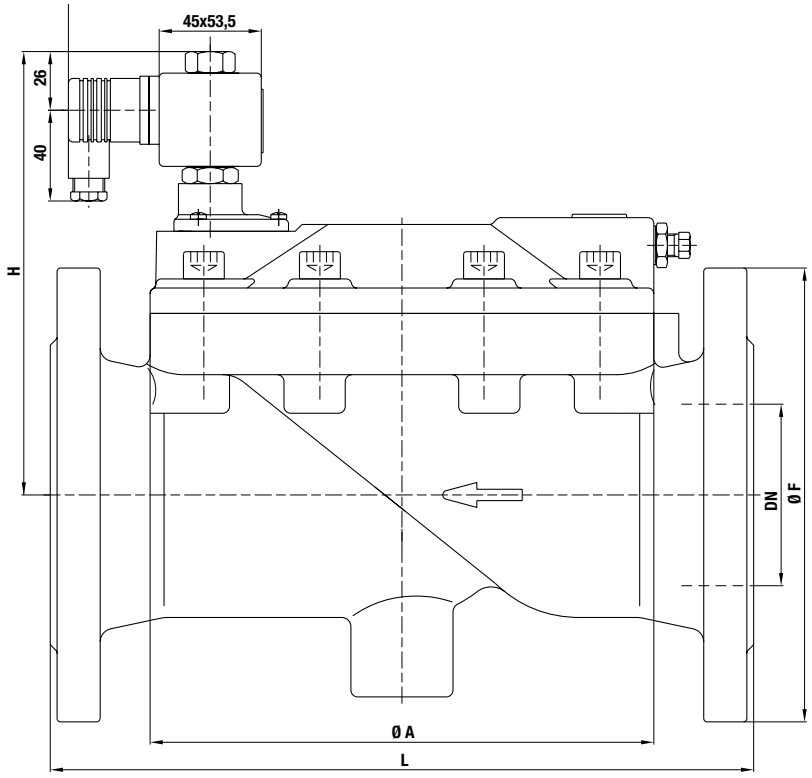


101	Valve body	302	Hexagon nut
102	Body cover	303	Round plate
*103	Diaphragm	*304	O-ring
105	Round plate	400	Solenoid
106	Round plate	701	Core tube
107	Bushing	*702	Core
108	Screw piece	*703	O-ring
109	Hexagon nut	*704	Pressure spring
*110	Pressure spring	1400	Socket
*111	Diaphragm	1501	Hexagon screw
112	Body cover	1502	O-ring
113	Cheese head screw	1503	Gasket
114	Oval head cap screw		
301	Hexagon screw		

*These individual parts form a complete wearing unit.
When ordering spare parts please state Cat no and series no.

General Dimensions

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



Part Number	Nominal Diameter (mm)	L (mm)	H (mm)	Ø F max. (mm)	Ø A (mm)
8358800.9366	65	290	185	185	190
8358900.9366	80	310	195	200	220
8359000.9366	100	350	220	220	250
8359100.9366	125	400	235	250	285
8359200.9366	150	480	265	285	330

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.