Operating and mounting manual
3/2-way Safety shut off valve
gas – solenoid valve
EVS(A)Du

Contents

1.0 General Remarks
- 1.1 Valve data
- 1.2 Application

2.0 Danger Notices
- 2.1 Safety terms
- 2.2 Safety notice
- 2.3 Qualified staff
- 2.4 Unauthorized modification and spare part production
- 2.5 Unauthorized operation
- 2.6 Safety information for the use in explosion-prone areas guideline 2014/34/EU
- 2.7 Safety information regarding guideline 2014/68/EU

3.0 Handling
- 3.1 Transport
- 3.2 Storage
- 3.3 Handling before mounting

4.0 Product Description
- 4.1 Function
- 4.2 Technical data
- 4.3 Marking

5.0 Installation
- 5.1 Warning of dangers during installation, operation and maintenance
- 5.2 Installation

6.0 Operation
- 6.1 Commissioning
- 6.2 Shutting down
- 6.3 Maintenance
- 6.4 Putting back into operating

7.0 Troubleshooting
- 7.1 Detection of defects
- 7.2 Troubleshooting plan

8.0 Dismantling of the Valve
- 8.1 Replacement of spare parts

9.0 Warranty

10.0 Explanations on Codes and Directives

11.0 Sectional Drawing
- 11.1 Drawing
- 11.2 List of parts

12.0 Declaration of Conformity

1.0 General Remarks

This operating manual includes instructions to assemble and operate the valve in the prescribed and safe way. **Additionally, the adeqaute operation instructions of each special solenoid drive must be considered.**

Series MG...	220.100.038
Series MG...X	220.100.040
Series MG…Xme	220.100.039

If any difficulties appear that can not be solved by means of the operating manual, further information may be demanded from the manufacturer.
This operating manual is in accordance with the relevant valid EN safety standards and the valid prescriptions and rules of the Federal Republic of Germany.
If the solenoids are used abroad of the FRG, the operator and/or the person who is responsible for the plant concept must take care that the valid national rules are met.
The manufacturer reserves the right of any technical change and improvement.
The use of these operating instructions suppose the qualification of the user according to paragraph 2.3 “qualified staff”.
The operating staff must be trained in accordance with the operating instructions. The operating manual must always be available at the location where used.

1.1 Valve data

Manufacturer:
UNI Geräte E. Mangelmann
Elektrotechnische Fabrik GmbH
Holtumsweg 13
D-47652 Weeze
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Fax: +49 (0) 2837/1444
E-Mail: info@uni-geraete.de
Homepage: www.uni-geraete.de

Designation
Directly functioning, currentless closed, spring 3/2-way safety shut off valve with magnet drive.

Type test acc.:	to EU/2016/426	
DIN EN 161, DIN EN 16678:	Kl. A, Gr. 2	
Working pressure:	16-EVSDu()*	0 – 16bar
	25-EVSDu	0 – 25bar
	40-EVSADu	0 – 40bar
Medium temperature:	16-EVSDu()*	-20°C to +140°C
	25-EVSDu	-20°C to +60°C
	40-EVSADu	-20°C to +140°C
Ambient temperature:	16-EVSDu()*	-20°C to +80°C
	25-EVSDu	-20°C to +60°C
	40-EVSADu	-20°C to +60°C

(*) Fitting position: vertical drive ± 5°, with order supplement „W“ horizontal.

Fitting position: vertical drive

Switching cycles: see operating instructions solenoid drive

Flange connection measures acc. to DIN EN 1092-1 form B2

Flange DN	PN	Prod. Id. CE0085	15 (5N)	20 (7N)	25 (10N)	32 (12N)	40 (15N)	50 (20N)	65 (25N)	80 (30N)	100	Test pressure (*) PT
16-EVSDU…	**16**	-	**-**	**-**	**-**	**O**	**-**	**-**	**-**	**-**	**-**	**PT 25**
25-EVSDu..	**25**	-	**O**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**PT 25**
40-EVSADu..	**40**	AR0256	**X**	**-**	X	**-**	**-**	**-**	**-**	**-**	**-**	**PT 40**

(*) Test pressure to perform leakage test "No FUNCTION TEST"
O Acceptance test certificate 3.2 possible, - not available,

Voltage:	24VAC to 500VAC (–15% to +10%) 12VDC to 440VDC (–15% to +10%)
Protection type:	IP54 or IP65
Frequency	40 – 60 Hz
Power	10 – 4000W

Details to the electrical data can be found on the type signand the adeqaute operation instruction of the solenoid valves.

1.2 Application

The UNI Geräte Gas – Solenoid valves EVS(A)Du are used as automatic 3/2-way safety shut-off valves for protection, limitation, shut-off and release of gas and air supply at main stops of in front of gas burners e.g. to DIN EN 746-2, DIN EN 12952-8.

The valves are suitable for gases of the 1st, 2nd and 3rd gas families to G260 and for neutral gases and as a variant with material design for aggressive gases such as e.g. biogas, sewage plant gas or dump gas to G262.

If used in other cases, the operator must carefully check if construction/design of valve, accessories and materials are suitable for the new application. The range of application is subject to the responsibility of the plant planner. The service life of the valve is 20 years.

2.0 Danger Notices

2.1 Safety terms

The signal terms DANGER, CAUTION und NOTICE are used in this operating manual in case of notices concerning special dangers, or for unusal information, requiring a special marking.

DANGER! means that in case of non-observance there is danger to life and/or considerable damage.

CAUTION! means that in case of non-observance there is danger of injury and/or damage.

NOTICE! means that attention is drawn to technical correlations/connections.

Observance of other, not especially marked notices concerning transport, assembly, operation and maintenance and other data (in the operating manual, product documentation and at the unit itself) is also essential, in order to avoid disturbances that might affect direct or indirect damage to property or injury to persons.

2.2 Safety notice

Non observance of safety instructions can lead to loss of any claim for damages.

Non observance can lead to the following mentioned dangers:

- Failure of important functions of the valve/plant
- Endangering of persons by electrical or mechanical influences.
- Protection against accidental contact for moving parts may not be removed as long as the valve is in operation.
- Leakage of dangerous media (e.g. explosive, toxic, hot) must be removed in the way that there is no danger for persons or environment. Laws and regulations must be observed.

2.3 Qualified staff

These are persons who are familiar with erection, assembly, starting, operation and maintenance of the product and who have special qualifications acc. to their activities and functions, e.g.:

- Instruction and obligation to carry out and meet all regional and in-house orders and requirements.
- Education or instruction according to the safety engineering standards in use and maintenance of adequate safety and working protection equipment.
- Training in first aid.

2.4 Unauthorized modification and spare part production

Modification or changes of the valve are only allowed after agreement of the manufacturer. Original drawings and accessories authorized by the manufacturer are for safety purposes. The use of other parts or unauthorized changes at the valve by third persons may cancel and abolish the manufacturere's liability for resulting consequences.

2.5 Unauthorized operation

Operational reliability of the delivered valve is only guaranteed in case of determined use in accordance to paragraph 1 of the operating manual. **The application limits mentioned on the type sign may on no account be exceeded.**

2.6 Safety information for the use in explosion-prone areas guideline 2014/34/EU

- The temperature of the medium must not exceed the respective temperature class, and respectively, the respective maximum permitted medium temperature as per operation guideline.
- If the valve is heated (e.g. heating jacket), care must be taken, that the specified temperature class is kept in the time.
- The valve must be connected to the ground.
  In the case most simple this can be realized via pipe screws by means of tooth disc.
  Otherwise the connection to the ground must be implemented by other measures e.g. cable links.
- Control valves, electrical and electrical/mechanical drives as well as sensors must undergo a separate conformity check as per ATEX. In doing so the respective safety and explosion protection information in the operation instructions are to taken into special consideration.
- Any modifications whatsoever to the valve are not allowed. The ATEX approval is void with immediate effect if the valve is modified without prior authorisation (even including painting).
- UNI-Geräte GmbH must be consulted before any modifications are made.

Furthermore we point out the guideline ATEX 118a, which include the minimum regulations for the improvement of the health-related situation and the safety of the employees, who might be jeopardized by an explosive atmosphere.

2.7 Safety information regarding guideline 2014/68/EU attachment I

DANGER!
UNI valves are not an accessory with a safety function as defined in the PED 2014/68 / EU Article 2 (4) and Article 4 (1) (d) by category IV
Use or classify!

3.0 Handling

3.1 Transport

For any transport works, the generally recognised technical rules and standards as well as rules for prevention of accidents must be observed.

In case of transport, storage and stopping, the protection caps must be mounted at both valve flanges.

The goods to be transported must be carefully treated. During transport, the valve must be protected against strokes, impacts or vibration. The coat of lacquer may not be damaged. Transport temperature is –20°C up to +60°C.

Never transport the valve at screwed cable glands, appliance plugs or add-on units. The valve can be transported at ring nuts, flange borings or by means of a belt under the solenoid drive.

Transport the valve in a case or on a pallet with smooth base and put it softly on plain floor. **Never put the valve on the attachment parts.**

The goods must be checked on completeness and transport damage. See also section 9.0

3.2 Storage

If the valve is not installed immediately after delivery, it must be stored properly.

- Storage temperature -20°C up to +60°C, dry and clean.
- The lacquer protects against corrosion in neutral dry atmosphere. Do not damage colour.
- In humid rooms, a drying agent or a heating resp. is necessary because of condensation of water.

Requirements according to DIN 7716 (products made of caoutchouc and rubber) must be met.

3.3 Handling before mounting

- In case of valve with protection caps, they must be removed before being mounted!
- Protect against atmospheric influences such as humidity.
- Appropriate treatment protects against damage.

4.0 Product Description

The UNI-Geräte gas – solenoid valve EVS(A)Du is a directly controlled, currentless closed 3/2-way safety shut-off valve acc. to DIN EN 13611, DIN EN 16678 with solenoid drive.

Sectional drawing 11.1 Fig. 1 to Fig. 2 shows the valve construction.

4.1 Function

Switching Cycle 1 (Horizontal Passage Open)
By switching on the solenoid drive (800) causes the solenoid core (207) to lift against the balance piston (220) loaded with medium pressure and against the pressure spring (503), thus fully opening the horizontal passage (3-2) of the reversing valve within 0,3 – 2 seconds, corresponding with the nominal width. This condition remains for the duration of the admission.

Switching Cycle 2 (Vertical Passage Open)
After operating voltage disconnection, the force of the preloaded pressure spring (503) presses the solenoid core (207) with the balance piston (220) against the upper valve seat within 0,7 – 1 second, depending on the reversing valve width, thus effecting a complete sealing and opening the vertical passage (2-1).

4.2 Technical data

Opening times: 0,3 – 2s
Closing times: < 1s

Solenoid –drive types MG...

Flange DN	15 (5N)	20 (7N)	25 (10N)	32 (12N)	40 (15N)	50 (20N)	65 (25N)	80 (30N)	100
16-EVSDu…	-	-	-	019	-	-	-	-	-
25-EVSDu…	016	-	-	-	-	-	-	-	-
40-EVSADu...	016 (018*)	-	019	-	-	-	-	-	-

**(***) = Back pressure proof

Max. valve loading by pipe power
The indicated moments may not work longer than 10s.

DN		8	10	15	20	25	32	40	50	65	80	100	125	150
Torsion	Nm	80	35	50	86	125	160	200	250[1)]	325[1)]	400[1)]	-	-	-
Bending	Nm	35	70	105	225	340	475	610	1100	1600	2400	5000	6000	7600

[1)] Not valid in case of valves with flanges

Starting torque, pipe screws greased

DN		8	10	15	20	25	32	40	50	65	80	100	125	150
Torque	Nm	20	30	30	30	30	50	50	50	50	50	80	160	160

Starting torque, product screws and nuts greased

Screw		M6	M8	M10	M12	M16	M20	M24
Torque	Nm	5	11	22	39	70	110	150

4.3 Marking

The type sign on the solenoid drive has the following information:

- Fabricator
- Valve type, nominal width, pressure and temperature indication, fitting position
- Year of construction/ production no.
- Product ID No.
- Valve class and valve group acc.
- CE-sign and no. of relevant location
- Fluid group and test pressure PT
- Solenoid drive type
- Electr. performance
- Voltage
- Frequency
- Protection type

When using solenoid drives for x-protection zone 1 refer to information in the valid operation instruction.

Refer also to section 10.0.

5.0 Installation

5.1 Warning of dangers during installation, operation and maintenance

DANGER!
Safe operation of the valve can only be guaranteed if it is installed, commissioned and maintained by qualified personnel (see point 2.3 “Qualified staff“) correctly and in observance of the warnings in this operating manual. Apart from that, the operation safety order and the qualified use of tools and protection equipment must be guaranteed. The operating instructions for the valve must be observed during all work on or with the valve. Failure to observe these instructions may result in injury or in damage to the valve or other installations.

When the valve is used as a final sealing element, a safety precaution e.g. blanking disc, blind flange, etc., in accordance with the code of practice of the German Technical and Scientific Association for Gas and Water (DVGW) is recommended during all repair work.

5.2 Installation

Apart from the general installation guidelines, the following points should be observed:

NOTICE!
- Remove the protective caps.
- The inside of the valve and the pipeline must be free from foreign particles.
- Observe the installation position in relation to the flow direction, see markings on the valve.
- Centre gaskets between the flanges.
- The connecting flanges must be aligned.
- Ensure that none of the components is strained during installation.
- The valve must not be used as a fixed point; it is supported by the pipework system.
- Protect valves from soiling, particularly during construction work.
- Thermal expansion of the pipework must be equalized using compensators.

In accordance with DIN 16678 and DIN EN 161, a dirt trap must be installed upline of any safety shut-off device. The mesh size of the screen must be smaller than 1.5 mm and not allow a test mandrel of 1 mm diameter to pass. Where two safety shut-off devices are combined to form a group, one dirt trap installed upstream of the first valve is sufficient. The dirt trap must be installed not too far upline of the first valve. The UNI-Geräte dirt traps of the SFR Series are approved for use together with the gas valves in accordance with EU2016/426.

The valve can be installed with upright but not suspended solenoid drive. Valves with order suffix “W” in the type designation can be installed with horizontal solenoid drive.

NOTICE!
Please observe the solenoid drive operating instructions (BTA).

6.0 Operation

DANGER!
Before commissioning a new installation or before starting up an installation again after repairs or modifications, ensure:
- The proper completion of all installation and assembly work!
- Commissioning only by “qualified staff” (see point 2.3).
- Installation or repair of existing guards and protection equipment.

6.1 Commissioning

- Before commissioning, check the data on material, pressure, temperature and flow direction with the layout plan of the pipework system.
- Depending on the field of application, the local regulations have to be observed, e.g. the operation safety order.
- Residues in the pipework and the valve (dirt, weld beads, etc.) will inevitably result in leaks.
- Leakage inspection of the installed valve.

6.2 Shutting down

- Depending on the field of application, the local regulations have to be observed, e.g. the operation safety order.

6.3 Maintenance

Solenoid valves have to be checked at regular intervals for proper function and internal leak tightness. The intervals for regular inspections have to be defined by the operator according to the operating conditions. UNI-Geräte recommends an internal visual inspection once a year and an overhaul of the valve after 2 years or after the following number of switching cycles at the latest:

Application temperature	DN ≤ 25	≤ DN 80	≤ DN 150	> DN 150
≤ 25°C	150 000	75 000	25 000	20 000
> 25°C	50 000	25 000	25 000	5 000

6.4 Putting back into operation

When putting a valve back into operation, ensure that all the necessary steps described in section 5.2 (Installation) and section 6.1 (Commissioning) are repeated.

Repair or maintenance works at the manufacturing company (UNI- Geräte)

DANGER!
Valves and fittings must be delivered clean and free from substances which are harmful to health or to the environment.

7.0 Troubleshooting

7.1 Detection of defects

DANGER!
Be sure to observe the safety instructions during troubleshooting.

If the malfunctions cannot be remedied using the following ***"Troubleshooting plan (7.2)"*** please contact the manufacturer.

In the event of faults in the function or operating behaviour of the valve, check whether the installation work was carried out and completed as described in this operating manual.
Depending on the field of application, the operation safety order must be observed.

Check the data on material, pressure, temperature, voltage and flow direction with the layout plan of the pipework system. In addition, check whether the operating conditions correspond to the technical data in the data sheet or on the rating plate.

7.2 Troubleshooting plan

Malfunction	Possible causes	Remedy
No flow	Valve does not open	Switch on solenoid drive (800)
		Check operating voltage
	Working pressure too high	Compare working pressure with the data on the rating plate
	Protective caps were not removed	Remove protective caps
Low flow rate	Contaminated strainer	Filter clean/exchange
	Clogging in the pipework system	Check pipework system
Valve leaking at seat, no internal tightness	Valve seat gasket (400) or valve seat (100) damaged by external particles	See section 8 replace valve
No external tightness	Gaskets damaged	See section 8 replace valve
Valve does not close	Connected voltage too high	Check whether there is residual voltage, see section 4.1
Flange fracture (valve/ pipework)	Screws not tightened uniformly, mating flanges not aligned	Align pipework. Install new valve

NOTICE!
Observe section 9.0 before all installation and repair work!

Observe section 6.4 when putting the valve back into operation!

8.0 Dismantling of the Valve

In addition to the general installation guidelines and the operation safety order, the following points must also be observed:

DANGER!

- Depressurised pipework system
- Cooled medium
- Emptied installation
- Vent pipework systems containing corrosive, inflammable, aggressive or toxic media
- Have dismantling work carried out only by qualified staff (see point 2.3)

8.1 Replacement of wear parts

Shut down the valve as described in section 6.2.

Switch off and dismantle the solenoid drive as described in the operating manual of the solenoid drive.

DANGER!
After continuous operation, the solenoid drive may be hot! Danger of burns!

Flange design
Fig. 1 16-EVSDu 12N… ; 40- EVSADu 10NH…
Fig. 2 25-EVSDu 5N… ; 40-EVSADu 5NH…
Replace the solenoid valve

9.0 Warranty

Scope and period of the warranty is specified in the edition of the “General Terms of Business of the UNI-Geräte E. Mangelmann Elektrotechnische Fabrik GmbH” valid at the time of delivery or else in the purchase agreement.

We warranty that the valve is free from faults in line with the state of the art and for the confirmed field of application.

No warranty claims will be accepted for damage resulting from improper use or failure to observe these operating and installation instructions, the statutory accident prevention regulations, the EN, DIN and VDE standards and other codes and regulations.

Warranty claims will also not be accepted for damage occurring during operation due to operating conditions deviating from those specified in the data sheet or in other agreements.

Justified complaints will be remedied by reworking by us or specialist companies authorised by us.

Claims going beyond the scope of the warranty will not be accepted. The customer shall have no right to the supply of a replacement valve.

Maintenance work, installation of parts from other manufacturers, any modifications to the design and natural wear are not covered by the warranty.

Transport damage must be reported not to us but ***without delay*** to your responsible goods handling company, the railway company or the shipping agent as otherwise all claims for damages against these companies will be voided.

10.0 Explanations on Codes and Directives

The Commission of the European Union has laid down common directives resp. regulations for the free trading of goods within the Union specifying minimum requirements for safety and health protection. The CE symbol confirms that products comply with the EU directives resp. regulation, i.e. in conformity with the relevant, in particular harmonised standards. Directives EU/2016/426 or 2009/142/EC and 2014/68/EU are of relevance for the gas solenoid valve (mechanical part).

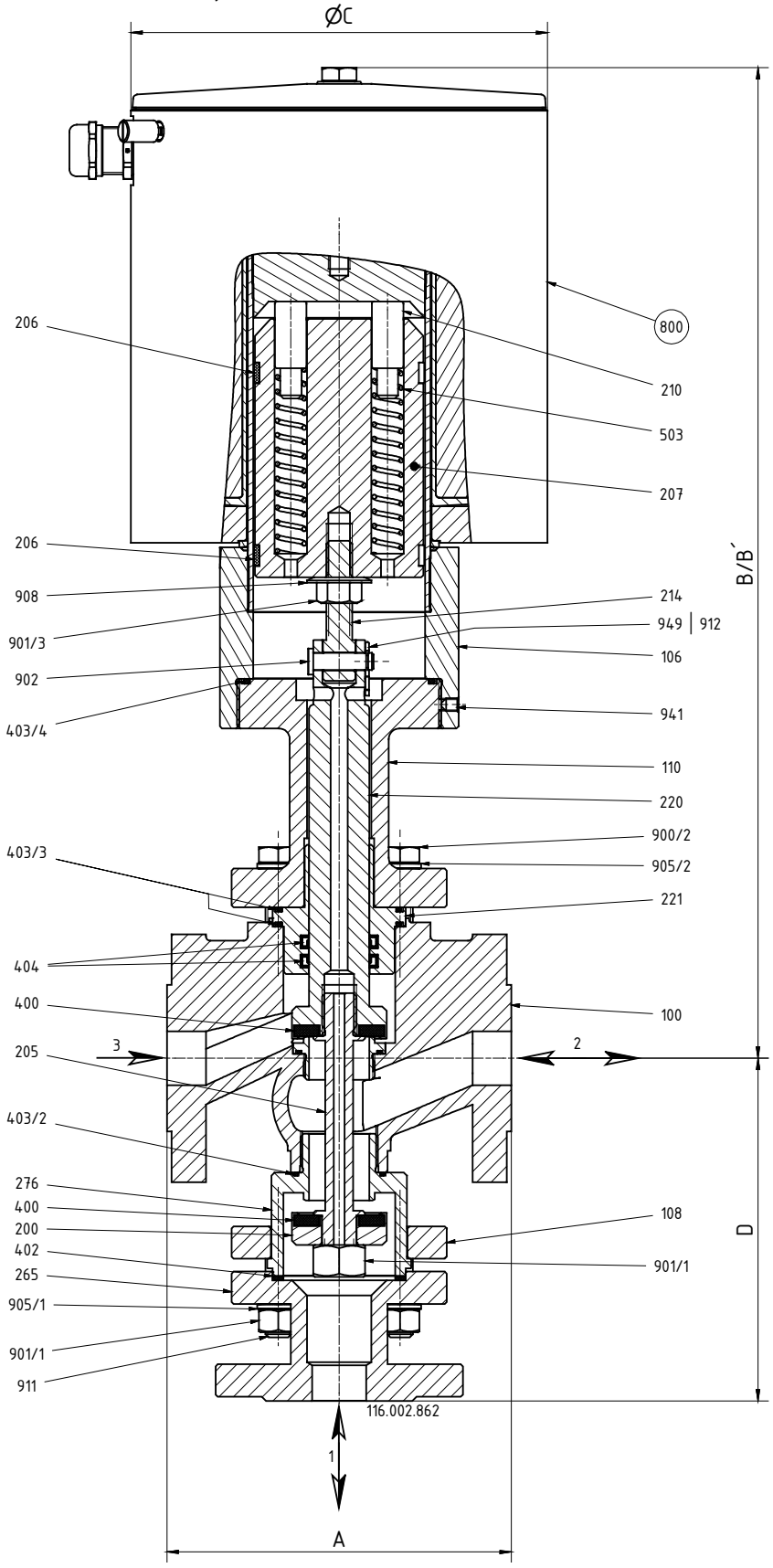
Notes on Regulation EU/2016/426 (Gas Appliances Regulation GAR):
The valves have been developed, manufactured and tested in accordance with harmonised standard DIN EN 161 and DIN EN 16678 and comply with the relevant requirements of the Union Directive EU/2016/426. Unless otherwise stated separately, this has been confirmed by a type test.

Notes on Directive 2014/68/EU (Pressure Equipment Directive, DGRL):
It has been conformed that the quality assurance in design control, manufacture and final acceptance of the manufacturer, UNI-Geräte E. Mangelmann Elektrotechnische Fabrik GmbH, satisfy the requirements of 2014/68/EU Article 14 Module H. The gas solenoid valves comply with the fundamental requirements of Directive 2014/68/EU. Valves in according to Article 1 Paragraph 2,f,v or Article 4 paragraph 3 are not allowed to have the CE Markt in according to Article 18.

Note concerning ex-guideline 2014/34/EU (explosion guideline ATEX):
The product is not subject to guideline 214/34/EU, since due to the loads occurring during practical operation, there is no effective source of ignition even in case of an error case to be assumed. This also applies to spring loaded components in gas-filled rooms. In case of electric drives, sensors or other electric components the application as per 2014/34/EU is to be checked separately.

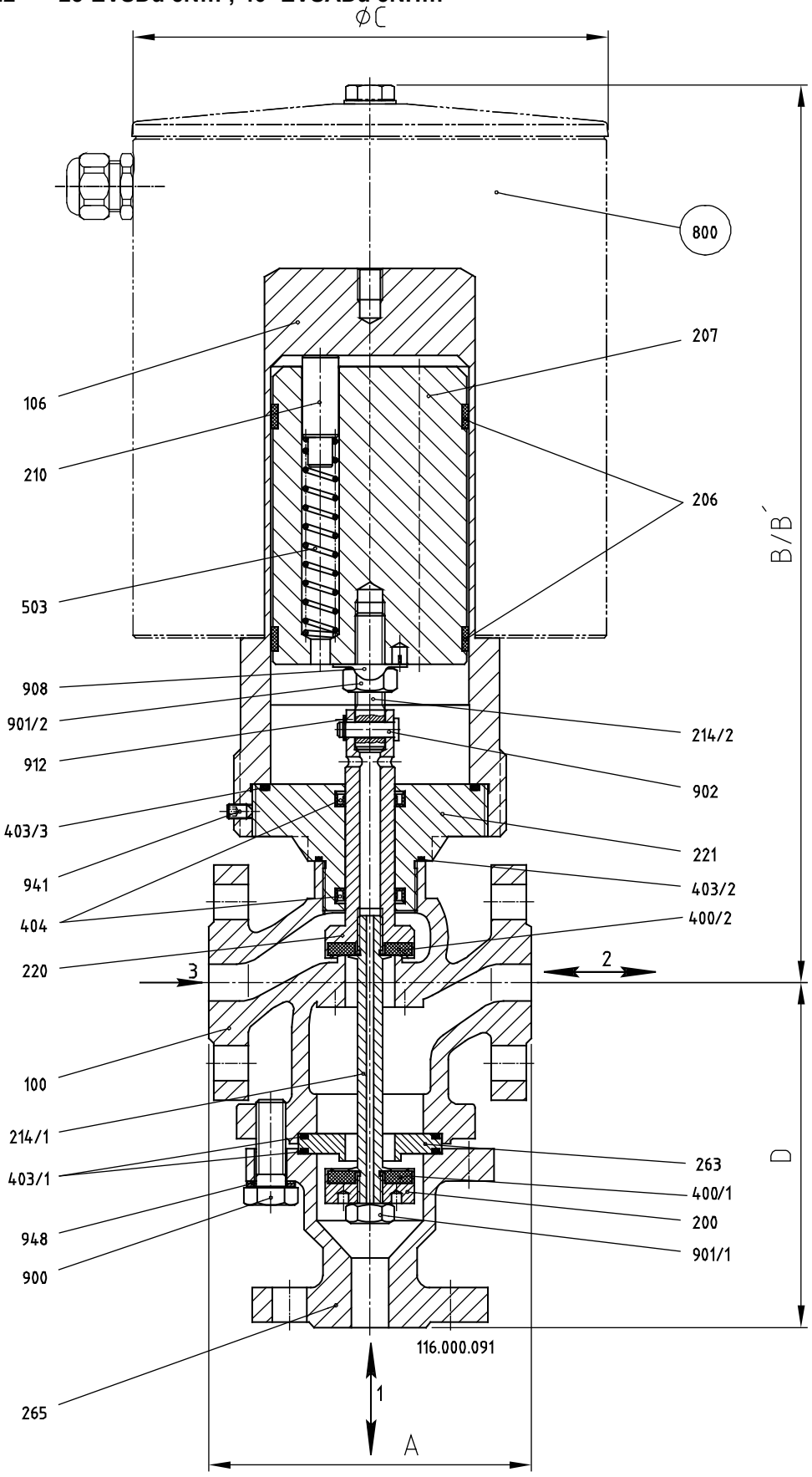
11.0 Sectional drawing

11.1 Fig.1 16- EVSDu 12N… ; 40- EVSADu 10NH…



O = Spare parts

Fig.2 25-EVSDu 5N… ; 40- EVSADu 5NH…



O = Spare parts

11.2 List of parts

Pos./ Item	Stück/ Qty.	Benennung	Description
100	1	Ventilgehäuse	Valve chamber
106	1	Gehäuseoberteil	Upper part of housing
108	1	Gehäuseflansch	Housing flange
110	1	Distanzstück	Spacer
200	1	Ventilteller	Valve disk
205	1	Ventilspindel	Valve spindle
206	2	Führungsring	Guide ring
207	1	Magnetkern	Solenoid core
210	2/3	Federbolzen	Spring bolt
213	1	Gewindering	Threaded ring
214/1	1	Ventilstift	Valve pin
214/2	1	Ventilstift	Valve pin
220	1	Ausgleichskolben	Balance piston
221	1	Kolbenführung	Piston guide
263	1	Schraubsitz	Screw face
265	1	Ventilstutzen	Valve socket
400/1	1	Ventiltellerdichtung	Valve disc seal
400/2	1	Ventiltellerdichtung	Valve disk seal
403/1	1/2	O-Ring	O-ring
403/2	1	O-Ring	O-ring
403/3	1/2	O-Ring	O-ring
403/4	1	O-Ring	O-ring
404	2	Lippenring	Lip-ring
503	2/3	Druckfeder	Pressure spring
800	1	Magnet-Antrieb	Solenoid drive
900/1	4	Sechskantschraube	Hex. head screw
900/2	4	Sechskantschraube	Hex. head screw
901/1	1/4	Sechskantmutter	Hex. nut
901/2	4	Sechskantmutter	Hex. nut
901/3	1	Sechskantmutter	Hex. nut
902	1	Bolzen	Bolt
903	1	Kerbstift	grooved dowel pin
905/1	4	Federring	Lock washer
905/2	4	Federring	Lock washer
908	1	Sicherungsblech	Safety plate
911	4	Stiftschraube	Stud bolt
912	1	Splint	Split pin
941	1	Gewindestift	Setscrew
948	4	Nordlockscheibe	Nordlock washer
949	1	SL-Sicherung	SL-retainer
966	1	DU-Buchse	DU-bush

Spare parts

Design	Fig.	Type	Spare parts
Flange design	Fig. 1	16-EVSDu 12N…; 40-EVSADu 10NH…	Solenoid drive (800)
	Fig. 2	25-EVSDu 5N… ; 40-EVSADu 5NH…	Solenoid drive (800)

Dimension with standard solenoid drive

Flange DN	Dimension	15 (5N)	20 (7N)	25 (10N)	32 (12N)	40 (15N)	50 (20N)	65 (25N)	80 (30N)	100
Installation length	**A**	130	150	160	180	200	230	290	310	350
16-EVSDu	**B**	-	-	-	449	-	-	-	-	-
	B`	-	-	-	598	-	-	-	-	-
	ØC	-	-	-	194	-	-	-	-	-
	D	-	-	-	201	-	-	-	-	-

Flange DN	Dimension	15 (5N)	20 (7N)	25 (10N)	32 (12N)	40 (15N)	50 (20N)	65 (25N)	80 (30N)	100
Installation length	**A**	130	150	160	180	200	230	290	310	350
25-EVSDu	**B**	225	-	-	-	-	-	-	-	-
	B`	466	-	-	-	-	-	-	-	-
	ØC	153	-	-	-	-	-	-	-	-
	D	138	-	-	-	-	-	-	-	-
40-EVSADu	**B**	335	-	450	-	-	-	-	-	-
	B`	466	-	599	-	-	-	-	-	-
	ØC	153	-	194	-	-	-	-	-	-
	D	139	-	160	-	-	-	-	-	-
40-EVSADu Back pressure proof	**B**	380	-	-	-	-	-	-	-	-
	B`	529	-	-	-	-	-	-	-	-
	ØC	194	-	-	-	-	-	-	-	-
	D	139	-	-	-	-	-	-	-	-

B` = Dimension for removing the solenoid drive

12.0 Declaration of Conformity

UNI-Geräte E. Mangelmann
Elektrotechnische Fabrik GmbH
Holtumsweg 13
D – 47652 Weeze

EU

Konformitätserklärung
Declaration of Conformity

Produkt / Product	**Automatisches Absperrventil - stromlos geschlossen** / Automatic shut off valve - current less closed
Handelsbezeichnung / *Trade Mark*	**3/2 Wege Magnetventil** / *3/2 Way Solenoid valve*
Baureihe / *Series*	**...EVSADu...**
Nennweiten / *Size*	**DN 15 / 25**
Druckstufe / *Presssure Stage*	**PN 25 / 40**
Fluidgruppe / *Fluid Group*	**Brennbare Gase, FL. Gr.1** / *Flammable gases, FL. Gr.1*
EU - Richtlinien / *EU - Directives*	**EU/2016/426 Gasgeräteverordnung** / ***G**as **A**ppliance **R**egulation*
Konformitätsbewertungsverfahren / *Conformity Assessment Procedure*	**Modul B + D - EU/2016/426**
Angewandte technische Spezifikation / *Applied Technical Specification*	**DIN EN 16678:2016-02; DIN EN 13611:2016-09**
EG-Baumusterprüfung / *EC-Type Examination*	**CE-0085AR0256** **EU/2016/426** **Modul B** **DVGW CERT GmbH** **Josef-Wirmer-Str. 1-3** **D-53123 Bonn** **Zertifizierungsstelle** / *Notified Body* **0085**
Überwachungsverfahren / *Surveillance Procedure*	SE-**0085BL7038** **EU/2016/426** **Modul D** **DVGW CERT GmbH** **Josef-Wirmer-Str. 1-3** **D-53123 Bonn** **Zertifizierungsstelle** / *Notified Body* **0085**
Kennzeichnung / *Marking*	**CE - 0085**

Das Unternehmen UNI Geräte E. Mangelmann Elektrotechnische Fabrik GmbH erklärt in alleiniger Verantwortung, dass die o.a. Baureihe die grundsätzlichen Anforderungen der aufgeführten Richtlinien und Normen erfüllt.
UNI Geräte E. Mangelmann Elektrotechnische Fabrik GmbH confirms under the sole responsibility of the manufacturer, that the basic requirements of the above specified directives and standards are fulfilled.

Weeze, 24.06.2022
Ort und Datum / *place and date*

Geschäftsführer / *Managing Director*
Norbert Schneider

250.100.557-00

12.0 Declaration of Conformity

UNI-Geräte E. Mangelmann
Elektrotechnische Fabrik GmbH
Holtumsweg 13
D – 47652 Weeze

EU Konformitätserklärung
Declaration of Conformity

Produkt *Product*	3/2 Wege Sicherheitsabsperrventil *3/2 Way Safety shut-off valve*
Handelsbezeichnung *Trade Mark*	3/2 Wege Magnetventil *3/2 Way Solenoid Valve*
Baureihe / *Series*	16-EVSDu 12NÜ....
Nennweiten / Size	DN 32
Fluidgruppe *Fluid group*	Brennbare Gase, FL. Gr.1 *Flammable gases, FL. Gr.1*
EU - Richtlinien *EU - Directives*	2014/68/EU Druckgeräterichtlinie / *Pressure Equipment Directive*
Konformitätsbewertungsverfahren *Conformity Assessment Procedure*	Modul H 2014/68/EU
Angewandte *technische Spezifikation* *Applied Technical Specification*	DIN EN 12516, DIN 12266-1 AD 2000
Überwachungsverfahren *Surveillance Procedure*	CE-0062-PED-H-UGM 001-20-DEU 2014/68/EU Modul H Bureau Veritas Services SAS 8 Cours du Triangle 92800 PUTEAUX – LA DEFENSE Zertifizierungsstelle / *Notified Body* 0062
Kennzeichnung *Marking*	CE - 0062 [1)]

Das Unternehmen UNI Geräte E. Mangelmann Elektrotechnische Fabrik GmbH erklärt in alleiniger Verantwortung, dass die o.a. Baureihe die grundsätzlichen Anforderungen der aufgeführten Richtlinien und Normen erfüllt. Mit Reverenz auf Artikel 41 und 48 der EU Richtlinie 2014/68/EU

UNI Geräte E. Mangelmann Elektrotechnische Fabrik GmbH confirms under the sole responsibility of the manufacturer, that the basic requirements of the above specified directives and standards are fulfilled. In Reference to Article 41 and 48 of the EU Directive 2014/68/EU.

Weeze, 14.05.2020

Geschäftsführer
Norbert Schneider
Managing Director

[1)] > DN25 + Kat.1, siehe Diagramm 6, fallen nicht in den Anwendungsbereich der 2014/68/EU
> DN25 + Kat.1, see diagram 6, are not included in the EC-Directive 2014/68/EU

250.000.155-05