

BESCHREIBUNG *discription*

Ventiltyp 23-GG-EN161

Magnetventil direktgesteuert für Gas

Die Magnetventile besitzen das DVGW-Prüfzeichen und die EG-Baumusterprüfung nach DIN EN161 und entsprechen damit der EG-Gasgeräterichtlinie 90/396/EWG. Das Ventil ist stromlos geschlossen -NC. Der bestromte Magnet zieht den Magnetanker entgegen der Kraftwirkung der Feder an den Gegenkern. Das Ventil öffnet. Ventile dieser Bauart benötigen keinen Differenzdruck.

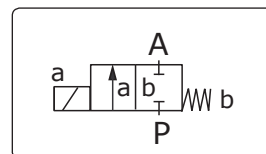
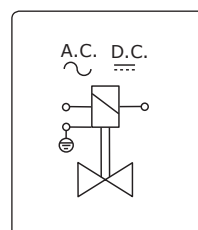
Valve Type 23-GG-EN161

Solenoid Valve direct operated for gas

Valves with DVGW-testing mark and the EC-Type examination according to DIN EN161 and correspond to the EC- Gas Appliance Directive 90/396/EEC. Valve non-energised closed by spring power - NC. When energised, the solenoid lifts the seal of the seat (orifice) directly. A pressure differential (Δp) is not required for the operation.

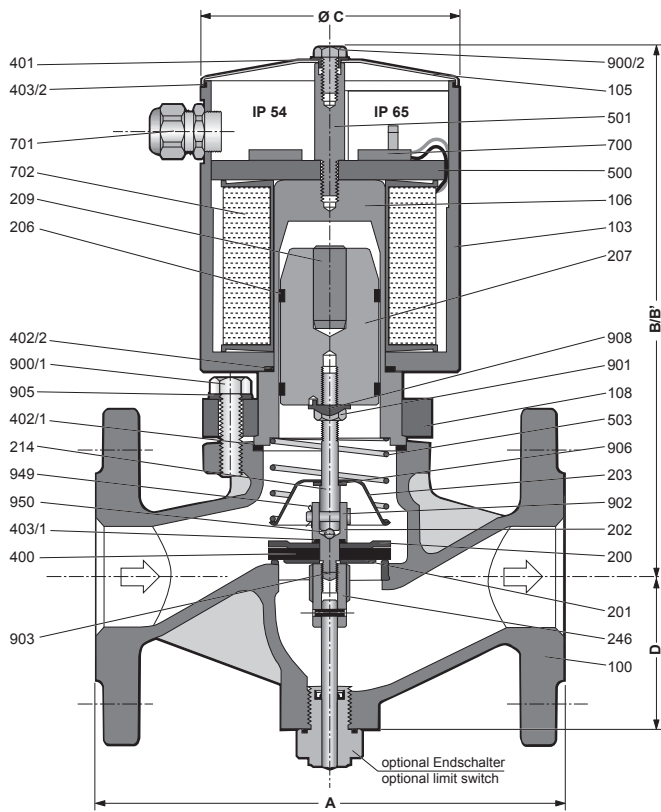

TECHNISCHE DATEN *technical data*

| Eigenschaften <i>features</i> | Standardausführung <i>standardversion</i> |
|---|---|
| Funktionen <i>function</i> | |
| Steuerungsart <i>principle of control</i> | direktgesteuert <i>direct operated</i> |
| Konstruktion <i>konstruktion</i> | Sitzventil <i>seatvalve</i> |
| Schaltprinzip <i>operating principle</i> | NC-stromlos geschlossen <i>NC-normally closed</i> |
| Spezifikation <i>specification</i> | |
| Anschluss <i>connection</i> | DN15 ... DN150 PN16 <i>flanged DN15 ... DN150 PN16</i> |
| Druck <i>pressure</i> | 0 ... 0,5 bar |
| Durchflussmedium <i>fluid</i> | Brenngase <i>fuel gases</i> |
| Temperatur Medium <i>fluid temperature</i> | -10°C ... +60°C |
| Temperatur Umgebung <i>ambient temperature</i> | -10°C ... +60°C |
| Werkstoffe <i>materials</i> | |
| Ventilgehäuse <i>valve body</i> | Grauguss EN-GJL-250 <i>grey cast</i> |
| metallische Innenteile <i>metallic internal parts</i> | Messing, 1.4104 <i>brass, AISI 430F</i> |
| Dichtung <i>sealing</i> | NBR |
| Elektrischer Anschluss <i>electrical connection</i> | |
| Spannung <i>voltage</i> | DC: 24V AC: 230V |
| Leistungsaufnahme <i>consumption power</i> | siehe Tabelle <i>see table</i> |
| Schutzart <i>protection class</i> | IP54 |
| Einschaltdauer <i>duty cycle</i> | 100% ED |
| Kabelanschluss <i>cable connection</i> | M20x1,5 |
| Installation <i>installation</i> | |
| Einbaulage <i>fitting position</i> | stehender Antrieb in waagerechter Rohrleitung <i>upright solenoid in horizontal pipeline</i> |

SCHALTSYMBOL - *NC switching symbol*

ANSCHLUSSPLAN *wiring diagram*




DN15 - DN150



A23../0401/.051 DN15-DN150

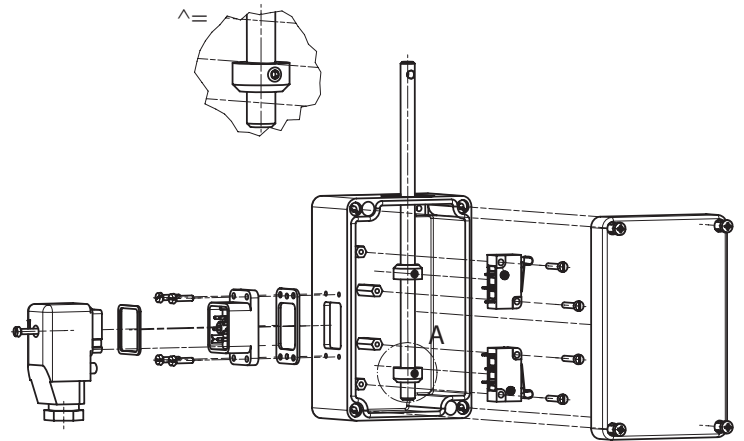
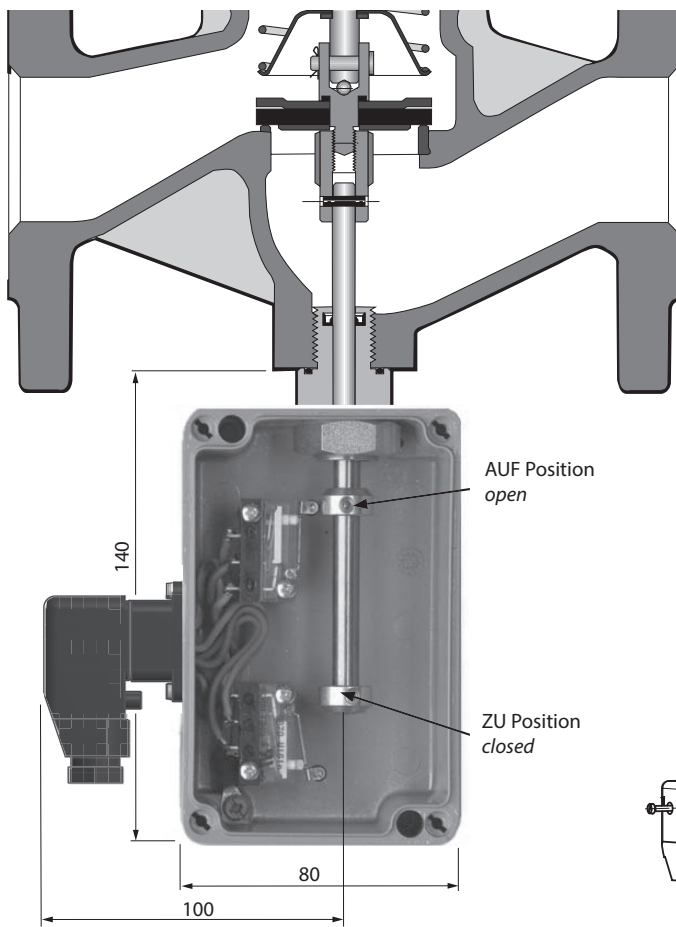
| | | |
|-----|---------------------------|------------------------|
| 100 | Ventilgehäuse | valve chamber |
| 103 | Magnetgehäuse | solenoid housing |
| 105 | Magnetgehäusedeckel | solenoid housing cover |
| 106 | Gehäuseoberteil | upper part of housing |
| 108 | Gehäuseflansch | housing flange |
| 206 | Führungsring | guide ring |
| 207 | Magnetkern | solenoid core |
| 209 | Federbolzen | spring bolt |
| 214 | Ventilstift | valve pin |
| 246 | Verbindung | connection piece |
| 400 | Ventiltellerdichtung | valve disk sealing |
| 401 | Dichthülse | sealing sleeve |
| 402 | Flachdichtung | gasket |
| 403 | O-Ring | o-ring |
| 500 | Magnetplatte | magnet plate |
| 501 | Verbindungsbolzen | connecting bolt |
| 503 | Druckfeder | pressure spring |
| 700 | SI-Gleichrichtersatz (AC) | SI-retifier assembly |
| 701 | Kabelverschraubung | cable gland |
| 702 | Magnetspule | solenoid coil |
| 900 | Sechskantschraube | hex. head screw |
| 901 | Sechskantmutter | hex. nut |
| 902 | Bolzen | bolt |
| 903 | Kerbstift | grooved pin |
| 905 | Federring | lock washer |
| 908 | Sicherungsblech | locking plate |
| 912 | Splint | split-pin |
| 949 | SL-Sicherung | SL-locking |
| 950 | Kugel | ball |

| Anschluss connection Flansch PN16 | Sitz seat Ø mm | K _v -Wert m ³ /h | Standardtype standard type | Druck pressure bar | Elektr. Leistung power consumption | Abmessungen dimension (mm) | | | | Gewicht weight ca. kg | Produkt-Id.-Nr. |
|--|----------------------|---|-------------------------------|--------------------------|---|-------------------------------|-----|-----|-----|-----------------------------|-----------------|
| | | | | | | A | B | ØC | D | | |
| 15 | 15 | 5,0 | A2301/0401/.051 | 0-0,5 | 30 W | 130 | 236 | 106 | 50 | 9,0 | CE-0085AQ0563 |
| 20 | 20 | 6,0 | A2302/0401/.051 | 0-0,5 | 30 W | 150 | 236 | 106 | 50 | 9,0 | CE-0085AQ0563 |
| 25 | 25 | 10,0 | A2303/0401/.051 | 0-0,5 | 40 W | 160 | 280 | 127 | 55 | 13,0 | CE-0085AR0563 |
| 32 | 32 | 14,0 | A2304/0401/.051 | 0-0,5 | 40 W | 180 | 290 | 127 | 68 | 21,0 | CE-0085AQ0563 |
| 40 | 40 | 23,0 | A2305/0401/.051 | 0-0,5 | 70 W | 200 | 347 | 153 | 68 | 24,0 | CE-0085AQ0563 |
| 50 | 50 | 35,0 | A2306/0401/.051 | 0-0,5 | 90 W | 230 | 350 | 153 | 75 | 33,0 | CE-0085AQ0563 |
| 65 | 65 | 59,0 | A2307/0401/.051 | 0-0,5 | 125 W | 290 | 388 | 191 | 90 | 50,0 | CE-0085AQ0563 |
| 80 | 80 | 76,0 | A2308/0401/.051 | 0-0,5 | 200/20 W | 310 | 381 | 191 | 110 | 62,0 | CE-0085AQ0563 |
| 100 | 100 | 122,0 | A2309/0401/.051 | 0-0,5 | 1200 ¹ /70 ² W ¹ Anzug / ² Halten | 350 | 400 | 191 | 143 | 75,0 | CE-0085AR0563 |
| 125 | 125 | 198,0 | A2310/0401/.051 | 0-0,5 | 1500 ¹ /90 ² W ¹ Anzug / ² Halten | 400 | 425 | 191 | 151 | 104,0 | CE-0085AQ0563 |
| 150 | 150 | 287,0 | A2311/0401/.051 | 0-0,5 | 2000 ¹ /100 ² W ¹ Anzug / ² Halten | 480 | 508 | 230 | 167 | 132,0 | CE-0085AQ0563 |



Option Endschalter
option limit switch

| | | | |
|--------------------|---|--------------------|---|
| Typ: | mechanisch | type: | mechanical |
| Kontakte: | Silber | contacts: | silver |
| Nennstrom: | 230AC/1,5A, 60VDC/0,5A | rated current: | 230AC/1,5A, 60VDC/0,5A |
| Schutzart: | IP65 | protection class: | IP65 |
| Temperaturbereich: | -40°C bis +85°C | temperature range: | -40°C up to +85°C |
| Lebensdauer: | 10Mio. | life time: | 10Mio. |
| Anordnung: | unter dem Ventil: 2-fach AUF/ZU 1-fach AUF 1-fach ZU | grouping: | under the valvebody: 2-times open/closed 1-fold open 1-fold closed |



Anschlussplan / connecting diagram

