

Sliding Gate Motor Valve 8035



GS 3 series, DN 15 up to DN 250

Version NR2 with safety spring return

Technical Information

| | | |
|---|---|--------------------|
| Design | wafer-type design for flanges acc. DIN EN 1092-1 Form B or ASME B16.5 RF further versions see data sheet 8035-GS1 | |
| Nominal size | DN 15 up to DN 250 | |
| Nominal pressure acc. DIN 2401 for flange with facing type B | PN 40 (fits also to PN 10-25) | DN 15 - DN 150 |
| | PN 100 | DN 15 - DN 80 |
| | PN 16 | DN 200 - DN 250 |
| Nominal pressure acc. ANSI for flanges acc. ASME B16.5 RF | ANSI 150 | DN 15 - DN 250 |
| | ANSI 300 | DN 15 - DN 150 |
| | ANSI 600 | DN 15 - DN 80 |
| Nominal pressure acc. JIS for „raised face“ flanges | 10K | DN 15 - DN 50 |
| | 20K | DN 15 - DN 40 |
| Media temperature | Versions from -60°C up to +350°C | |
| ambient temperature | 0°C up to +50°C | |
| Flange gaskets (customer side) | DIN EN 1514-1 or ANSI B16.21 in the respective nominal pressure rating | |
| Rangeability | 30 : 1 | |
| Leakage (% of Kvs) | Disc pair Carbon-stainless steel | Disc pair STN 2 |
| | < 0,0001 | < 0,001 |
| IEC 60534-4 | IV-S1 | IV |
| EN122661 | E | F |
| Spezific leakage rate shaft and body sealing | ISO FE-BH-CC3-SSA0-t(-40°C/+350°C)-PN40-ISO 15848-1 | |



*With DN15 with reduction of less than 25%, different leakage rates possible.

K_{vs}-values see data sheet 8001.

Technical Information Motor Actuator

| | | |
|--|---|-----------------------|
| Actuating force | 1,2 kN | 3,0 kN |
| Type of duty acc. VDE 0530 with control electronics | S 4 - 30% ED | S 4 - 30% ED |
| without control electronics | S 1 - 100 % ED | S 1 - 100 % ED |
| Net connections | 24 V AC | 24 V AC |
| | 110 V/120 V AC | 110 V/120 V AC |
| | 230 V AC | 230 V AC |
| Mounting position | motor not top-down | motor not top-down |
| Protection class | IP 54 (IP65 optional) | IP 54 (IP65 optional) |
| Power consumption 24V | 21 W | 21 W |
| Power consumption 230V | 21 W | 21 W |
| Power consumption 110 V/120 V | 21 W | 21 W |
| Stroking time at line break | 2,9 - 3,5 sec. | 2,9 - 3,5 sec. |
| Manual operation | by push buttons (electrical power required) | |

Fluid temperature

| Rating | PN40 | PN 16 | PN 100 | ANSI 150 | ANSI 300 | ANSI 600 |
|------------------------------------|------|-------|--------|----------|----------|----------|
| Body material cpl. stainless steel | | | | | | |
| Tmin [°C] | -60 | -60 | -60 | -29 | -29 | -29 |
| Tmax [°C] | 350 | 350 | 350 | 350 | 350 | 350 |
| Body material cpl. carbon steel | | | | | | |
| Tmin [°C] | -60 | -60 | -10 | -20 | -20 | -10 |
| Tmax [°C] | 300 | 300 | 300 | 300 | 300 | 300 |

Materials

| | | |
|-------------------------|-------------------------------------|---------------------|
| Body | Stainless steel 1.4408 | Carbon steel 1.0619 |
| Bodycover | Stainless steel 1.4571 or 1.4404 | |
| Packing | PTFE (carbon filled), spring 1.4310 | |
| Actuating stem | Stainless steel, roller burnished | |
| Bellow | Stainless steel 1.4571 | |
| Fixed plate | Stainless steel 1.4571, plated | STN2-disc |
| Sliding disc | Standard: special carbon material | STN2-disc |
| Coupling ring for discs | Stainless steel 1.4581 | |

Sliding Gate Motor Valve 8035-GS3



with safety spring return

Stroking Times

| DN | Stroking times (sec.) with stroking speed | |
|-----|--|------------|
| | 17,5 mm/min | 3,4 mm/min |
| 15 | 21 | 110 |
| 20 | 21 | 110 |
| 25 | 21 | 110 |
| 32 | 21 | 110 |
| 40 | 21 | 110 |
| 50 | 28 | 146 |
| 65 | 28 | 146 |
| 80 | 28 | 146 |
| 100 | 30 | 154 |
| 125 | 30 | 154 |
| 150 | 30 | 154 |
| 200 | 30 | 154 |
| 250 | 30 | 154 |

Options

| | actuating force | |
|-------------------------|-----------------|---------|
| | 1,2 kN | 3 kN |
| limit switches | max. 2 | max. 2 |
| potentiometer | max. 2* | max. 2* |
| Nachlaufregler (analog) | yes | yes |

* one potentiometer is required for positioner operation

(For temperatures of up to 120°C with PN-rating
up to 38°C with ANSI-rating)

**For temperatures of 120°C (PN)
or 38°C (ANSI) and above:
obey application limits !**

| DN | 1,2 kN | 3,0 kN | 1,2 kN | 3,0 kN |
|-----|-----------------------------------|-------------|--------|-------------|
| | max. differential pressures (bar) | | | |
| | Disc pair | | | |
| | carbon-stainless steel | | STN 2 | |
| 15 | 102,1 | 102,1 | 76,6 | 102,1 |
| 20 | 93,7 | 102,1 | 59 | 102,1 |
| 25 | 78,5 | 88 (102,1)* | 44,1 | 88 (102,1)* |
| 32 | 64,3 | 102,1 | 32,8 | 86,4 |
| 40 | 48,6 | 88 (100)* | 22,5 | 59,4 |
| 50 | 31,9 | 84,1 | 13,4 | 35,4 |
| 65 | 26,9 | 70,8 | 11 | 29 |
| 80 | 17,1 | 45 | 6,7 | 17,6 |
| 100 | 10,9 | 28,8 | 4,1 | 10,9 |
| 125 | 7,4 | 19,5 | 2,8 | 7,3 |
| 150 | 5,5 | 14,6 | 2 | 5,4 |
| 200 | 3,2 | 8,4 | - | - |
| 250 | 2 | 5,2 | - | - |

*figures in brackets for bodies of carbon steel

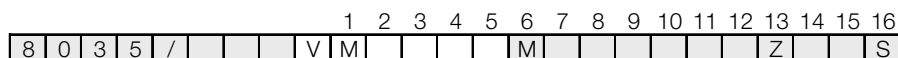
| | Upper limits for admissible pressures in bar | | | | | |
|------------------------|--|------|-------|---------|----------|----------|
| | PN16 | PN40 | PN100 | ANSI150 | ANSI 300 | ANSI 600 |
| P max. carbon steel | 16 | 40 | 100 | 19,6 | 51,1 | 102,1 |
| P max. stainless steel | | | | 19,0 | 49,6 | 99,3 |

Sliding Gate Motor Valve 8035-GS3

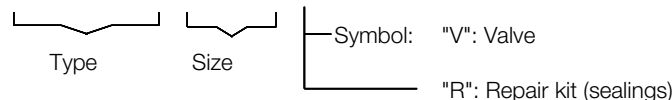


with safety spring return

Ordering Number System



1 - 5 : Please quote all 5 sections.
6 - 12: Quote only if required.



| 1. | Function | 2. | Body design | 3. | Body material | 4. | Security position | 5. | Actuator | 6. | Special versions | 7. | Motor voltages |
|-----|---|--|--|------|--------------------------------|--|---------------------------------|---|------------------------------------|---|---|--------------|------------------------|
| M | Control valve with motor actuator (type 8035) | E | GS3-flangeless design acc. ANSI 150 | 0 | carbon steel 1.0619 | 0 | spring closes 1 spring opens | 3 | 1,2 kN (safety spring return only) | M | to state, if some sections 7-16 are quoted | - | 230 V 50 Hz (Standard) |
| | | F | GS3-flangeless design acc. ANSI 300 | 1 | stainless steel 1.4408 | 5 | | 3,0 kN (safety spring return only) | A | nut and nut acc. DIN EN1092-1 | 8 | 120 V, 60 Hz | |
| | | K | GS3-flangeless design acc. ANSI 600 | | | | | | C | groove and tongue acc. DIN EN1092-1 | | | |
| | | G | GS3-flangeless design acc. DIN PN10-PN40 | | | | | | E | 2x lowered face acc. DIN EN1092-1 | | | |
| | | H | GS3-flangeless design acc. DIN PN100 | | | | | | H | lowered and raised face acc. DIN EN1092-1 | | | |
| 8. | Stem sealing | 9. | Sliding disc | 10. | Fixed disc | 11. | Kvs-values | 12. | Seat characteristics | 13. | Accessories | 14. | Limit switches |
| - | PTFE-V-shaped seal, self-adjusting (Standard) | - | carbon material | - | stainless steel 1.4571, coated | - | 100 % (Stand.) | - | linear | Z | to state, if in sections 14 and 15 accessories are quoted | - | without |
| 1 | | additional stainless steel bellow 1.4571 | 9 | STN2 | 1 | STN2 (only in combination with the position „9“ STN2-disc) | A | red. to 63 % 1 red. to 40 % 2 red. to 16 % 3 red. to 6.3 % 4 red. to 2.5 % 5 red. to 1 % 6 red. to 20% 7 red. to 12 % 8 red. to 2 % 9 red. to 0,4% | 1 | equal percentage | | 1 | one limit switch |
| | | | | | | | | | | | | 2 | two limit switches |
| 15. | Feedback | 16. | Special versions | 17. | Stroking speed | 18. | Special treatment | 19. | Positioner | | | | |
| - | without | S | Other special versions / accessories | - | 17,5 mm/min | - | Standard | - | without | | | | |
| 1 | Potentiometer 1000 Ohm | | | 5 | 3,4 mm/min. | | | 3 | Positioner 0-10V | | | | |
| C | Stroke feedback for positioner 0/4 - 20mA | | | | | | | N | Positioner 4-20 mA | | | | |
| | | | | | | | | M | Positioner 0-20 mA | | | | |

Ordering Example: 8035/050VMG103M- - - - -Z- -S5-3
 GS-motor valve type 8035 with safety spring return, DN 50, PN 10/40, body material stainless steel 1.4571, spring to close, actuator 1.2 kN, 230 V, 50 Hz, PTFE-V-shaped seal, carbon material, stainless steel 1.4581, Kvs-value 100 %, Flow characteristic linear, actuator speed 3,4 mm/min. , positioner 0-10 V

with safety spring return

Application limitations for GS3 valves in stainless steel

These pressure must not be exceeded for GS-valves from the GS3-series made of stainless steel, even though the actuator power might allow it.

PN40

| DN | Sliding unit: carbon/SFC - stainless steel, coated | | | | | | Sliding unit: STN2 | | | | | |
|-----------------|---|-------|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|
| | max. admissible pressures for GS3-valves in stainless steel | | | | | | max. admissible pressures for GS3-valves in stainless steel | | | | | |
| | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C |
| 15-32 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 37 |
| 50 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 65 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 37 | 32 |
| 80 | 40 | 40 | 40 | 40 | 40 | 40 | 36 | 34 | 33 | 26 | 22 | 19 |
| 100 | 33 | 33 | 33 | 33 | 33 | 33 | 32 | 31 | 30 | 24 | 20 | 17 |
| 125 | 23 | 23 | 23 | 23 | 23 | 23 | 21 | 21 | 19 | 16 | 13 | 11 |
| 150 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 15 | 14 | 11 | 9 | 8 |
| 200 (only PN16) | 16 | 16 | 15 | 13 | 12 | 11 | - | - | - | - | - | - |
| 250 (only PN16) | 10 | 9 | 9 | 8 | 7 | 6 | - | - | - | - | - | - |

Limitation for SFC-sliding discs: 300°C

PN100

| DN | Sliding unit: carbon/SFC - stainless steel, coated | | | | | | Sliding unit: STN2 | | | | | |
|----|---|-------|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|
| | max. admissible pressures for GS3-valves in stainless steel | | | | | | max. admissible pressures for GS3-valves in stainless steel | | | | | |
| | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C |
| 15 | 100 | 100 | 100 | 93 | 84 | 79 | 100 | 100 | 100 | 93 | 84 | 79 |
| 20 | 100 | 100 | 89 | 81 | 73 | 68 | 100 | 100 | 89 | 81 | 73 | 68 |
| 25 | 88 | 81 | 70 | 63 | 57 | 54 | 88 | 81 | 70 | 63 | 57 | 54 |
| 32 | 100 | 93 | 80 | 73 | 65 | 62 | 100 | 93 | 80 | 73 | 65 | 60 |
| 40 | 88 | 81 | 70 | 63 | 57 | 54 | 72 | 69 | 65 | 53 | 43 | 37 |
| 50 | 100 | 100 | 100 | 100 | 100 | 94 | 77 | 73 | 70 | 56 | 46 | 40 |
| 65 | 80 | 80 | 80 | 79 | 71 | 67 | 62 | 59 | 56 | 45 | 37 | 32 |
| 80 | 48 | 48 | 48 | 48 | 48 | 44 | 36 | 34 | 33 | 26 | 22 | 19 |

Limitation for SFC-sliding discs: 300°C

ANSI150

| DN | Sliding unit: carbon/SFC - stainless steel, coated | | | | | | | | Sliding unit: STN2 | | | | | | | |
|--------|---|------|-------|-------|-------|-------|-------|-------|---|------|-------|-------|-------|-------|-------|-------|
| | max. admissible pressures for GS3-valves in stainless steel | | | | | | | | max. admissible pressures for GS3-valves in stainless steel | | | | | | | |
| | 38°C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 38°C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C |
| 15-125 | 19,0 | 18,4 | 16,2 | 14,8 | 13,7 | 12,1 | 10,2 | 8,4 | 19,0 | 18,4 | 16,2 | 14,8 | 13,7 | 12,1 | 10,2 | 8,4 |
| 150 | 16,0 | 16,0 | 16,0 | 14,8 | 13,7 | 12,1 | 10,2 | 8,4 | 16,2 | 16,2 | 16,2 | 14,8 | 13,7 | 11,8 | 9,7 | 8,4 |
| 200 | 16,0 | 16,0 | 16,0 | 14,8 | 13,7 | 12,1 | 10,2 | 8,4 | - | - | - | - | - | - | - | - |
| 250 | 10,4 | 10,4 | 10,4 | 9,9 | 9,4 | 8,4 | 7,4 | 6,8 | - | - | - | - | - | - | - | - |

Limitation for SFC-sliding discs: 300°C

ANSI300

| DN | Sliding unit: carbon/SFC - stainless steel, coated | | | | | | | | Sliding unit: STN2 | | | | | | | |
|-------|---|------|-------|-------|-------|-------|-------|-------|---|------|-------|-------|-------|-------|-------|-------|
| | max. admissible pressures for GS3-valves in stainless steel | | | | | | | | max. admissible pressures for GS3-valves in stainless steel | | | | | | | |
| | 38°C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 38°C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C |
| 15-65 | 49,6 | 48,1 | 42,2 | 38,5 | 35,7 | 33,4 | 31,6 | 30,3 | 49,6 | 48,1 | 42,2 | 38,5 | 35,7 | 33,4 | 31,6 | 30,3 |
| 80 | 48,0 | 48,0 | 42,2 | 38,5 | 35,7 | 33,4 | 31,6 | 30,3 | 36,6 | 36,6 | 36,6 | 34,8 | 33,0 | 26,8 | 22,0 | 19,0 |
| 100 | 33,0 | 33,0 | 33,0 | 33,0 | 33,0 | 33,0 | 31,6 | 30,3 | 33,0 | 33,0 | 33,0 | 31,7 | 30,1 | 24,4 | 20,1 | 17,3 |
| 125 | 23,0 | 23,0 | 23,0 | 23,0 | 23,0 | 23,0 | 23,0 | 23,0 | 22,0 | 22,0 | 22,0 | 21,0 | 19,9 | 16,1 | 13,2 | 11,5 |
| 150 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 15,4 | 14,6 | 11,8 | 9,7 | 8,4 |

Limitation for SFC-sliding discs: 300°C

ANSI600

| DN | Sliding unit: carbon/SFC - stainless steel, coated | | | | | | | | Sliding unit: STN2 | | | | | | | |
|-------|---|------|-------|-------|-------|-------|-------|-------|---|------|-------|-------|-------|-------|-------|-------|
| | max. admissible pressures for GS3-valves in stainless steel | | | | | | | | max. admissible pressures for GS3-valves in stainless steel | | | | | | | |
| | 38°C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 38°C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C |
| 15-20 | 99,3 | 96,2 | 84,4 | 77,0 | 71,3 | 66,8 | 63,2 | 60,7 | 99,3 | 96,2 | 84,4 | 77,0 | 71,3 | 66,8 | 63,2 | 60,7 |
| 25 | 88,0 | 88,0 | 84,4 | 77,0 | 70,1 | 63,7 | 57,3 | 54,2 | 88,0 | 88,0 | 84,4 | 77,0 | 70,1 | 63,7 | 57,3 | 54,2 |
| 32 | 99,3 | 96,2 | 84,4 | 77,0 | 71,3 | 66,8 | 63,2 | 60,7 | 99,3 | 96,2 | 84,4 | 77,0 | 71,3 | 66,8 | 63,2 | 60,2 |
| 40 | 88,0 | 88,0 | 84,4 | 77,0 | 70,1 | 63,7 | 57,3 | 54,2 | 72,5 | 72,5 | 72,5 | 69,0 | 65,5 | 53,1 | 43,6 | 37,7 |
| 50 | 99,3 | 96,2 | 84,4 | 77,0 | 71,3 | 66,8 | 63,2 | 60,7 | 77,7 | 77,7 | 77,7 | 73,9 | 70,2 | 56,9 | 46,7 | 40,4 |
| 65 | 80,0 | 80,0 | 80,0 | 77,0 | 71,3 | 66,8 | 63,2 | 60,7 | 62,5 | 62,5 | 41,7 | 59,5 | 56,4 | 45,8 | 37,6 | 32,5 |
| 80 | 48,0 | 48,0 | 48,0 | 48,0 | 48,0 | 48,0 | 48,0 | 44,5 | 36,6 | 36,6 | 36,6 | 34,8 | 33,0 | 26,8 | 22,0 | 19,0 |

Limitation for SFC-sliding discs: 300°C

with safety spring return

Application limitations for GS3 valves in carbon steel

These pressure must not be exceeded for GS-valves from the GS3-series made of carbon steel, even though the actuator power might allow it.

PN40

| DN | Sliding unit: carbon/SFC - stainless steel, coated | | | | | | Sliding unit: STN2 | | | | | |
|-----------------|--|-------|-------|-------|-------|-------|--|-------|-------|-------|-------|-------|
| | max. admissible pressures for GS3-valves in carbon steel | | | | | | max. admissible pressures for GS3-valves in carbon steel | | | | | |
| | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C |
| 15-50 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 65 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 37 | 32 | 32 |
| 80 | 40 | 40 | 40 | 40 | 40 | 40 | 36 | 34 | 33 | 26 | 22 | 19 |
| 100 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 31 | 30 | 24 | 20 | 17 |
| 125 | 23 | 23 | 23 | 23 | 23 | 23 | 22 | 21 | 19 | 16 | 13 | 11 |
| 150 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 14 | 11 | 9 | 8 |
| 200 (nur PN 16) | 16 | 16 | 15 | 13 | 12 | 11 | - | - | - | - | - | - |
| 250 (nur PN 16) | 10 | 9 | 9 | 8 | 7 | 6 | - | - | - | - | - | - |

Limitation for SFC-sliding discs: 300°C

PN100

| DN | Sliding unit: carbon/SFC - stainless steel, coated | | | | | | Sliding unit: STN2 | | | | | |
|---------|--|-------|-------|-------|-------|-------|--|-------|-------|-------|-------|-------|
| | max. admissible pressures for GS3-valves in carbon steel | | | | | | max. admissible pressures for GS3-valves in carbon steel | | | | | |
| | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C |
| 15 - 20 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 25 | 100 | 100 | 100 | 100 | 100 | 94 | 100 | 100 | 100 | 94 | 87 | 87 |
| 32 | 100 | 100 | 100 | 100 | 100 | 99 | 100 | 100 | 84 | 69 | 60 | 60 |
| 40 | 100 | 100 | 100 | 100 | 100 | 94 | 72 | 69 | 65 | 53 | 43 | 37 |
| 50 | 100 | 100 | 100 | 100 | 100 | 94 | 77 | 73 | 70 | 56 | 46 | 40 |
| 65 | 80 | 80 | 80 | 80 | 80 | 76 | 62 | 59 | 56 | 45 | 37 | 32 |
| 80 | 48 | 48 | 48 | 48 | 48 | 44 | 36 | 34 | 33 | 26 | 22 | 19 |

Limitation for SFC-sliding discs: 300°C

ANSI150

| DN | Sliding unit: carbon/SFC - stainless steel, coated | | | | | | | | Sliding unit: STN2 | | | | | | | |
|--------|--|------|-------|-------|-------|-------|-------|-------|--|------|-------|-------|-------|-------|-------|-------|
| | max. admissible pressures for GS3-valves in carbon steel | | | | | | | | max. admissible pressures for GS3-valves in carbon steel | | | | | | | |
| | 38°C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 38°C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C |
| 15-125 | 19,6 | 19,2 | 17,7 | 15,8 | 13,8 | 12,1 | 10,2 | 8,4 | 19,6 | 19,2 | 17,7 | 15,8 | 13,8 | 12,1 | 10,2 | 8,4 |
| 150 | 16,0 | 16,0 | 16,0 | 15,8 | 13,8 | 12,1 | 10,2 | 8,4 | 16,2 | 16,2 | 16,2 | 15,4 | 13,8 | 11,8 | 9,7 | 8,0 |
| 200 | 16,0 | 16,0 | 16,0 | 15,8 | 13,8 | 12,1 | 10,2 | 8,4 | - | - | - | - | - | - | - | - |
| 250 | 10,5 | 10,5 | 10,5 | 9,9 | 9,4 | 8,4 | 7,4 | 6,0 | - | - | - | - | - | - | - | - |

Limitation for SFC-sliding discs: 300°C

ANSI300

| DN | Sliding unit: carbon/SFC - stainless steel, coated | | | | | | | | Sliding unit: STN2 | | | | | | | |
|-------|--|------|-------|-------|-------|-------|-------|-------|--|------|-------|-------|-------|-------|-------|-------|
| | max. admissible pressures for GS3-valves in carbon steel | | | | | | | | max. admissible pressures for GS3-valves in carbon steel | | | | | | | |
| | 38°C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 38°C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C |
| 15-50 | 51,1 | 50,1 | 46,6 | 45,1 | 43,8 | 41,9 | 39,8 | 37,6 | 51,1 | 50,1 | 46,6 | 45,1 | 43,8 | 41,9 | 39,8 | 37,6 |
| 65 | 51,1 | 50,1 | 46,6 | 45,1 | 43,8 | 41,9 | 39,8 | 37,6 | 41,7 | 41,7 | 41,7 | 39,7 | 37,6 | 33,5 | 37,6 | 33,0 |
| 80 | 48,0 | 48,0 | 46,6 | 45,1 | 43,8 | 41,9 | 39,8 | 37,6 | 36,6 | 36,6 | 36,6 | 34,8 | 33,0 | 26,8 | 22,0 | 19,0 |
| 100 | 33,0 | 33,0 | 33,0 | 33,0 | 33,0 | 33,0 | 33,0 | 33,0 | 33,0 | 33,0 | 33,0 | 31,7 | 30,1 | 24,4 | 20,0 | 17,5 |
| 125 | 23,0 | 23,0 | 23,0 | 23,0 | 23,0 | 23,0 | 23,0 | 23,0 | 22,1 | 22,1 | 22,1 | 21,0 | 19,9 | 16,1 | 13,2 | 11,5 |
| 150 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 15,4 | 14,6 | 11,8 | 9,7 | 8,4 |

Limitation for SFC-sliding discs: 300°C

ANSI600

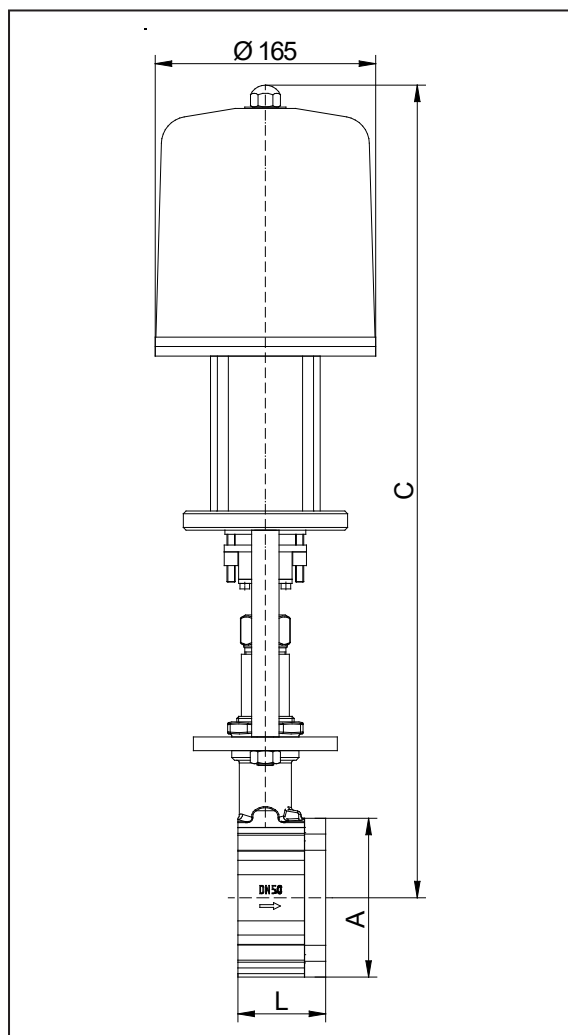
| DN | Sliding unit: carbon/SFC - stainless steel, coated | | | | | | | | Sliding unit: STN2 | | | | | | | |
|-------|--|-------|-------|-------|-------|-------|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|
| | max. admissible pressures for GS3-valves in carbon steel | | | | | | | | max. admissible pressures for GS3-valves in carbon steel | | | | | | | |
| | 38°C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 38°C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C |
| 15-25 | 102,1 | 100,2 | 93,2 | 90,2 | 87,6 | 83,9 | 79,6 | 75,1 | 102,1 | 100,2 | 93,2 | 90,2 | 87,6 | 83,9 | 79,6 | 75,1 |
| 32 | 102,1 | 100,2 | 93,2 | 90,2 | 87,6 | 83,9 | 79,6 | 75,1 | 102,1 | 100,2 | 93,2 | 90,2 | 87,6 | 83,9 | 69,6 | 60,0 |
| 40 | 100,0 | 100,0 | 93,2 | 90,2 | 87,6 | 83,9 | 79,6 | 75,1 | 72,5 | 72,5 | 72,5 | 69,0 | 65,5 | 53,1 | 43,6 | 37,0 |
| 50 | 100,0 | 100,0 | 93,2 | 90,2 | 87,6 | 83,9 | 79,6 | 75,1 | 77,7 | 77,7 | 77,7 | 73,9 | 70,2 | 56,9 | 46,7 | 40,0 |
| 65 | 80,0 | 80,0 | 80,0 | 80,0 | 80,0 | 80,0 | 79,6 | 75,1 | 62,5 | 62,5 | 62,5 | 59,5 | 56,4 | 45,8 | 37,6 | 32,0 |
| 80 | 48,0 | 48,0 | 48,0 | 48,0 | 48,0 | 48,0 | 48,0 | 44,0 | 36,6 | 36,6 | 36,6 | 36,8 | 33,0 | 26,8 | 22,0 | 19,0 |

Limitation for SFC-sliding discs: 300°C

Sliding Gate Motor Valve 8035-GS3

with safety spring return

Dimensions and Weights



| DN | ØA | C* | C* | L | Weight kg | Stroke |
|-----|-----|--------|--------|----|--------------|--------|
| | | 1.2 kN | 3.0 kN | | | |
| 15 | 64 | 570 | 590 | 56 | 12,2 | 6 |
| 20 | 72 | 575 | 595 | 56 | 12,4 | 6 |
| 25 | 82 | 580 | 600 | 56 | 12,7 | 6 |
| 32 | 89 | 585 | 605 | 56 | 12,9 | 6 |
| 40 | 99 | 590 | 610 | 56 | 13,2 | 6 |
| 50 | 116 | 600 | 620 | 64 | 14,7 | 8 |
| 65 | 138 | 610 | 630 | 68 | 16,2 | 8 |
| 80 | 153 | 615 | 635 | 70 | 17,4 | 8 |
| 100 | 184 | 630 | 650 | 75 | 20,6 | 8,5 |
| 125 | 212 | 645 | 665 | 80 | 22,9 | 8,5 |
| 150 | 242 | 660 | 680 | 80 | 26,7 | 8,5 |
| 200 | 302 | 690 | 710 | 93 | 43,6 | 8,5 |
| 250 | 360 | 715 | 735 | 96 | 49,1 | 8,5 |

* For the motor actuator with integrated positioner C increases for 40 mm

Dimensions in mm