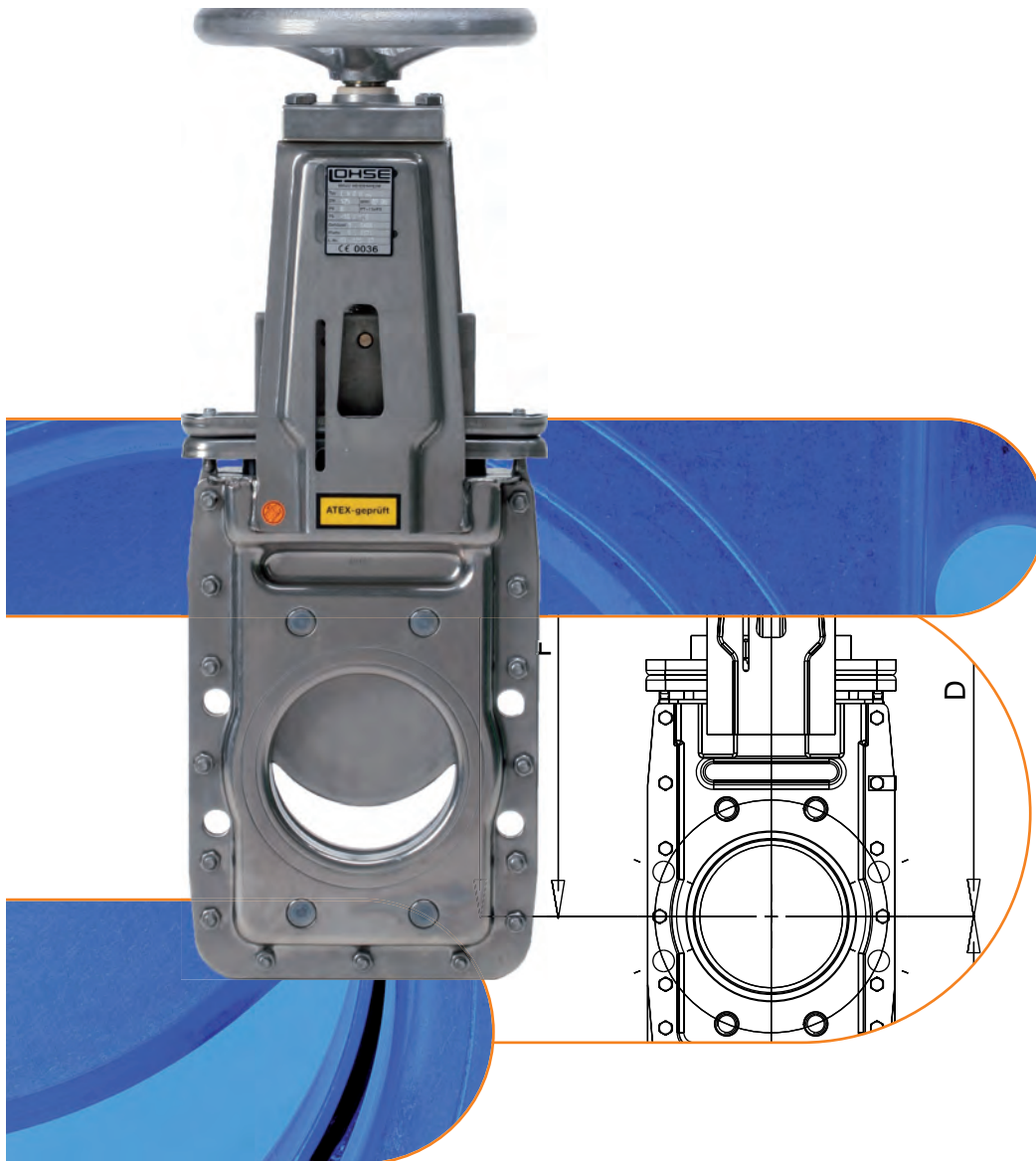


Valves of stainless steel · COMPACT-Program

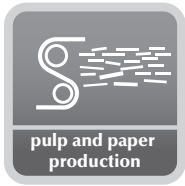
Shut-Off-Valves

CNA 50 – 1000 mm



MARTIN LOHSE GmbH
Unteres Paradies 63 · D-89522 Heidenheim
phone +49 7321 755-42
sales@lohse-gmbh.de
www.lohse-gmbh.de

Applications



Paper industry and chemical industry

LOHSE COMPACT-gate valves have proved their value and reliability in all branches of paper and chemical industries. CNA-valves are “shut-off” type valves. The type is suitable for shut-off of stock and aggressive media.



Industrial sewage treatment

When LOHSE COMPACT-gate valves of acid resistant stainless steel are installed in waste water treatment plants, the need to use expensive isolation appliances to guard against contact-corrosion is removed.



Food industry

LOHSE COMPACT-gate valves are widely used as shut-off valves for viscous and glutinous media as for instance in salt works, sugar mills, wine making industry, breweries etc.

In special designs, the non-metallic components of the LOHSE valves can be equipped with FDA-approved components. The respective suitability must be checked for each application



Biogas Industry

In biogas plants LOHSE shut-off-valves find a use to shut-off the input pipes with high-viscosity, low-viscosity and aggressive medium e.g. silage, dung, liquid manure, vegetables and food and suspensions of this. These valves are tolerant against impurities.

Special models

For special applications, we can supply special valves constructed of various materials for differing temperatures, pressures and sealing properties to suit the particular application.

Construction

Housings entirely of stainless steel

- pressed steel design
- corrosion and acid resistant
- light
- easy to maintain
- the handwheel support also serves as a mounting for any switchgear or control apparatus

Slide guides of special plastic

- abrasion resistant
- excellent anti-friction properties
- temperature resistant
- acid resistant
- easily replaceable

Valve plate of stainless steel

- specially shaped to prevent depositing stock
- built in strength to resist water pressure vibration

Bore cross section = nominal diameter of piping

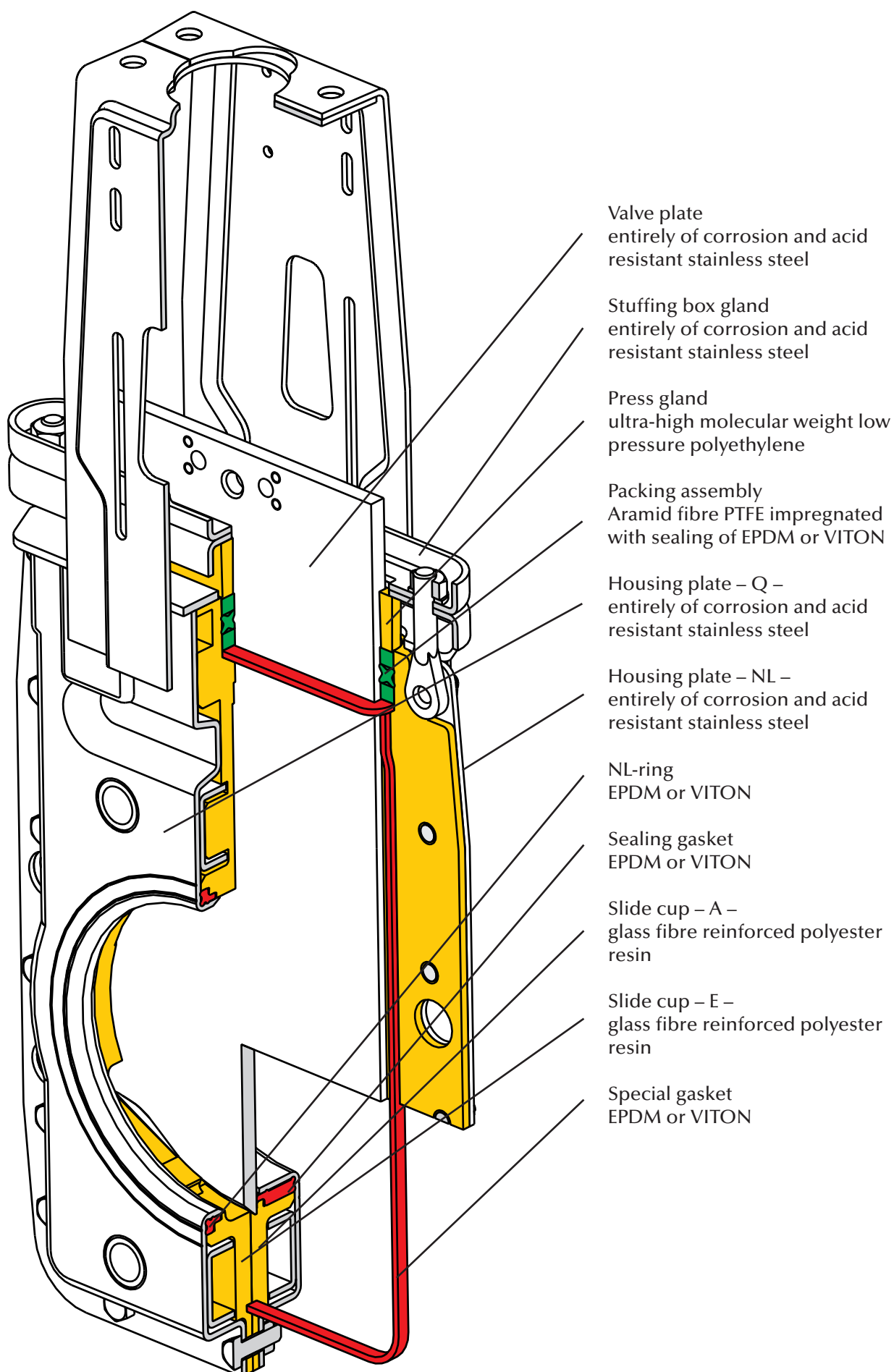
- no stringing of fibres is possible

Actuating elements in well-proved LOHSE modular system

- interchangeable on all valves of our make
- also interchangeable on the incorporated existing valve
- reduced stock holding

100 % water-tight

- seals resistant to temperature and acids
- seals easily replaceable but firmly anchored in the valve housing
- Leak test according to DIN EN 12266-02:2012-04 Table A5, test medium liquid, leakage rate A



Materials

- housing

| | |
|---------------|--------|
| DN 50 – 250 | 1.4404 |
| DN 300 – 600 | 1.4307 |
| DN 700 – 1000 | 1.4571 |
- flanging ring

| | |
|---------------|--------|
| DN 300 – 1000 | 1.4571 |
|---------------|--------|
- valve plate

| | |
|--|--------|
| | 1.4571 |
|--|--------|
- slide cups

| | |
|--------------|-----|
| DN 50 – 250 | GRP |
| DN 300 – 600 | PP |
- sealing

| | |
|--|--------------------|
| | EPDM, VITON or NBR |
|--|--------------------|
- slide parts

| | |
|---------------|------------------|
| DN 700 – 1000 | CuSn6 / CuAL10Ni |
|---------------|------------------|
- stuffing box gland

| | |
|---------------|--------|
| DN 50 – 150 | 1.4301 |
| DN 200 – 450 | 1.4541 |
| DN 500 – 600 | 1.4301 |
| DN 700 – 1000 | 1.4571 |
- packing assembly

| | |
|---------|--|
| packing | aramid fibre with impregnation of PTFE |
| p-ring | EPDM, VITON or NBR |
- press gland

| | |
|------------|--------|
| DN 50 -150 | PE-HMW |
|------------|--------|
- bracket

| | |
|--|--------|
| | 1.4301 |
|--|--------|
- screws / nuts

| | |
|--|----|
| | A2 |
|--|----|
- max. operating pressure

| | |
|---------------|---------|
| DN 50 – 250 | 8 bar |
| DN 300 – 400 | 6 bar |
| DN 450 – 600 | 4 bar |
| DN 700 – 800 | 2.5 bar |
| DN 900 – 1000 | 1.5 bar |
- max. operating temperature with sealing of

| | |
|-------|--------|
| NBR | 105° C |
| EPDM | 120° C |
| VITON | 200° C |

Operating elements – the LOHSE modular system

All LOHSE COMPACT-valves comprise the following **main groups**:

- valve body type: CNA
- operating elements type Hns, H, P, PV, E, GK, K, X

All elements are interchangeable for any given size. Thereby the connections of brackets as well as the coupling of actuator and valve plate will be removed and fixed again after the exchange. No removal of incorporated valve body (notice safety rules – pipes must be pressureless).

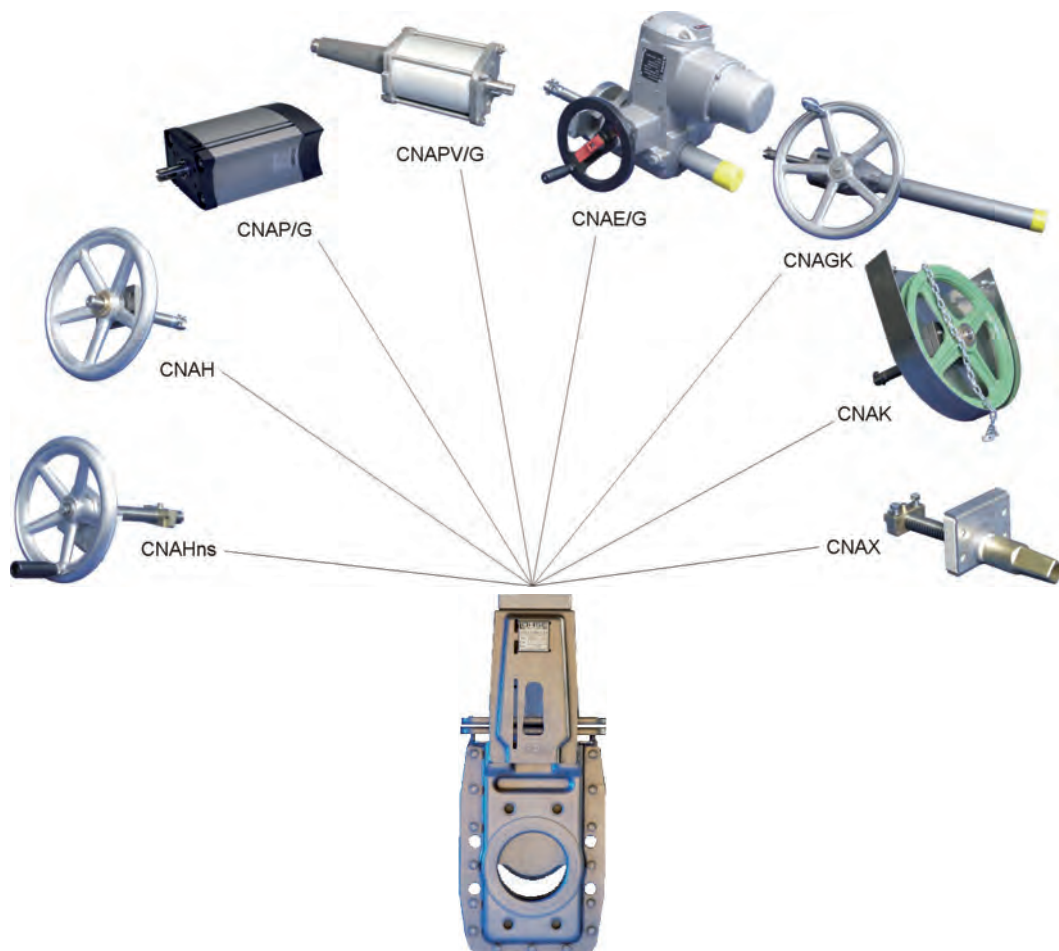
This facility is called the **LOHSE modular system** which offers the following advantages:

- simplified and less expensive holding of spare parts.
- in case of damage, actuating elements can be replaced inexpensively.
- if any valve drives have to be altered, replacement is easy and quick

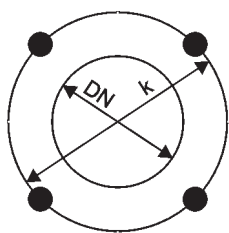
Protection guards (G)

According to machinery directive 2006/42/EG guards are compulsory to shield all moving parts on automated gate valves.

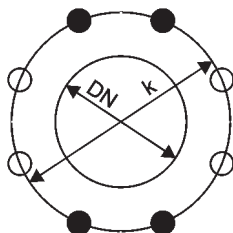
Protection guard of stainless steel.



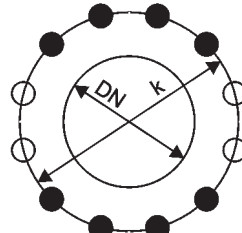
Flange bores for LOHSE COMPACT-valves according to DIN EN 1092-1, PN 10



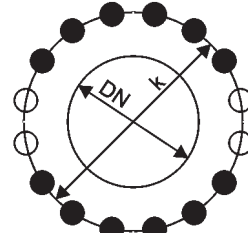
DN 50-65



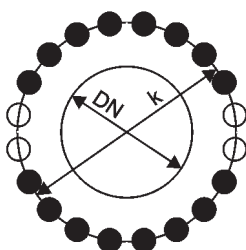
DN 80-200



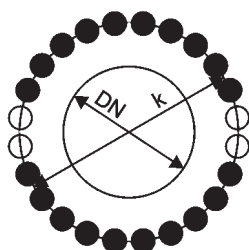
DN 250-300



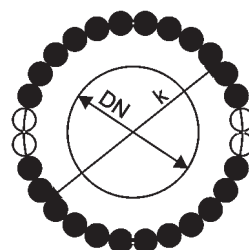
DN 350-400



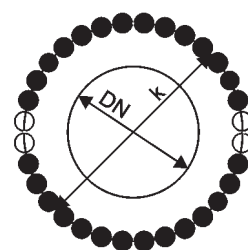
DN 450-600



DN 700-800

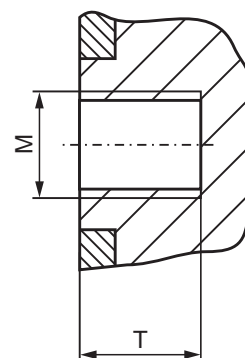


DN 900-1000



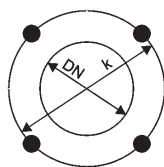
DN 1100-1200

| DN [mm] | K [mm] | Z | M | T [mm] | Z1 | Z2 |
|------------|-----------|----|-----|-----------|----|----|
| 50 | 125 | 4 | M16 | 12 | 4 | - |
| 65 | 145 | 4 | M16 | 12 | 4 | - |
| 80 | 160 | 8 | M16 | 12 | 4 | 4 |
| 100 | 180 | 8 | M16 | 12 | 4 | 4 |
| 125 | 210 | 8 | M16 | 12 | 4 | 4 |
| 150 | 240 | 8 | M20 | 16 | 4 | 4 |
| 200 | 295 | 8 | M20 | 16 | 4 | 4 |
| 250 | 350 | 12 | M20 | 20 | 8 | 4 |
| 300 | 400 | 12 | M20 | 20 | 8 | 4 |
| 350 | 460 | 16 | M20 | 20 | 12 | 4 |
| 400 | 515 | 16 | M24 | 23 | 12 | 4 |
| 450 | 565 | 20 | M24 | 30 | 16 | 4 |
| 500 | 620 | 20 | M24 | 30 | 16 | 4 |
| 600 | 725 | 20 | M27 | 35 | 16 | 4 |
| 700 | 840 | 24 | M27 | 40 | 20 | 4 |
| 800 | 950 | 24 | M30 | 45 | 20 | 4 |
| 900 | 1050 | 28 | M30 | 45 | 24 | 4 |
| 1000 | 1160 | 28 | M33 | 45 | 24 | 4 |
| 1100 | 1270 | 32 | M33 | 50 | 28 | 4 |
| 1200 | 1380 | 32 | M36 | 55 | 28 | 4 |

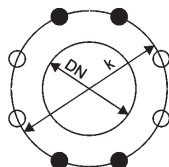


Z = total number of holes
 Z1 = number of joint-holes
 Z2 = number of through-going bores
 T = usable depth of thread

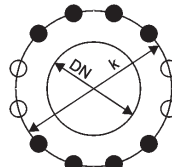
Flange bores for LOHSE COMPACT-valves

according to ANSI B 16.5 Class 150 (\geq DN 700: ANSI B 16.47 Class 150)

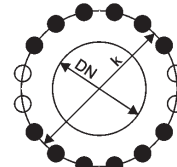
DN 50-80



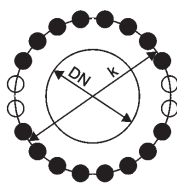
DN 100-200



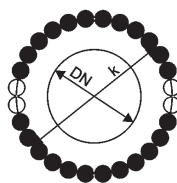
DN 250-350



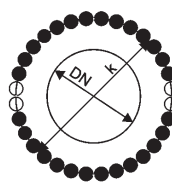
DN 400-450



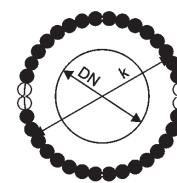
DN 500-600



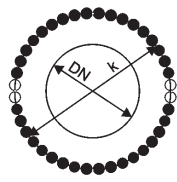
DN 700-800



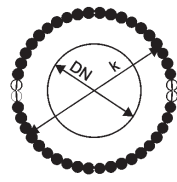
DN 900



DN 1000

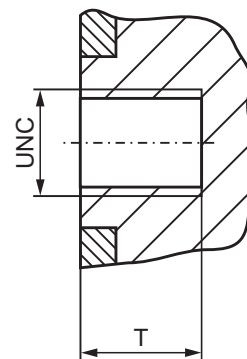


DN 1100



DN 1200

| DN [mm] | DN [inch] | K [mm] | K [inch] | Z | UNC | T [mm] | T [inch] | Z1 | Z2 |
|------------|--------------|-----------|-------------|----|----------|-----------|-------------|----|----|
| 50 | 2 | 120.6 | 4 3/4 | 4 | 5/8"-11 | 12 | 0.472 | 4 | - |
| 65 | 2.5 | 139.7 | 5 1/2 | 4 | 5/8"-11 | 12 | 0.472 | 4 | - |
| 80 | 3 | 152.4 | 6 | 4 | 5/8"-11 | 12 | 0.472 | 4 | - |
| 100 | 4 | 190.5 | 7 1/2 | 8 | 5/8"-11 | 12 | 0.472 | 4 | 4 |
| 125 | 5 | 215.9 | 8 1/2 | 8 | 3/4"-10 | 12 | 0.472 | 4 | 4 |
| 150 | 6 | 241.3 | 9 1/2 | 8 | 3/4"-10 | 16 | 0.630 | 4 | 4 |
| 200 | 8 | 298.5 | 11 3/4 | 8 | 3/4"-10 | 16 | 0.630 | 4 | 4 |
| 250 | 10 | 362 | 14 1/4 | 12 | 7/8"-9 | 20 | 0.787 | 8 | 4 |
| 300 | 12 | 431.8 | 17 | 12 | 7/8"-9 | 20 | 0.787 | 8 | 4 |
| 350 | 14 | 476.3 | 18 3/4 | 12 | 1"-8 | 20 | 0.787 | 8 | 4 |
| 400 | 16 | 539.8 | 21 1/4 | 16 | 1"-8 | 23 | 0.910 | 12 | 4 |
| 450 | 18 | 577.9 | 22 3/4 | 16 | 1 1/8"-7 | 30 | 1.181 | 12 | 4 |
| 500 | 20 | 635 | 25 | 20 | 1 1/8"-7 | 30 | 1.181 | 16 | 4 |
| 600 | 24 | 749.3 | 29 1/2 | 20 | 1 1/4"-7 | 35 | 1.378 | 16 | 4 |
| 700 | 28 | 863 | 34 | 28 | 1 1/4"-7 | 40 | 1.575 | 24 | 4 |
| 800 | 32 | 978 | 38 1/2 | 28 | 1 1/2"-6 | 45 | 1.772 | 24 | 4 |
| 900 | 36 | 1086 | 42 3/4 | 32 | 1 1/2"-6 | 45 | 1.772 | 28 | 4 |
| 1000 | 40 | 1200 | 47 1/4 | 36 | 1 1/2"-6 | 45 | 1.775 | 32 | 4 |
| 1100 | 44 | 1314 | 51 3/4 | 40 | 1 1/2"-6 | 50 | 1.969 | 36 | 4 |
| 1200 | 48 | 1422 | 56 | 44 | 1 1/2"-6 | 55 | 2.165 | 40 | 4 |



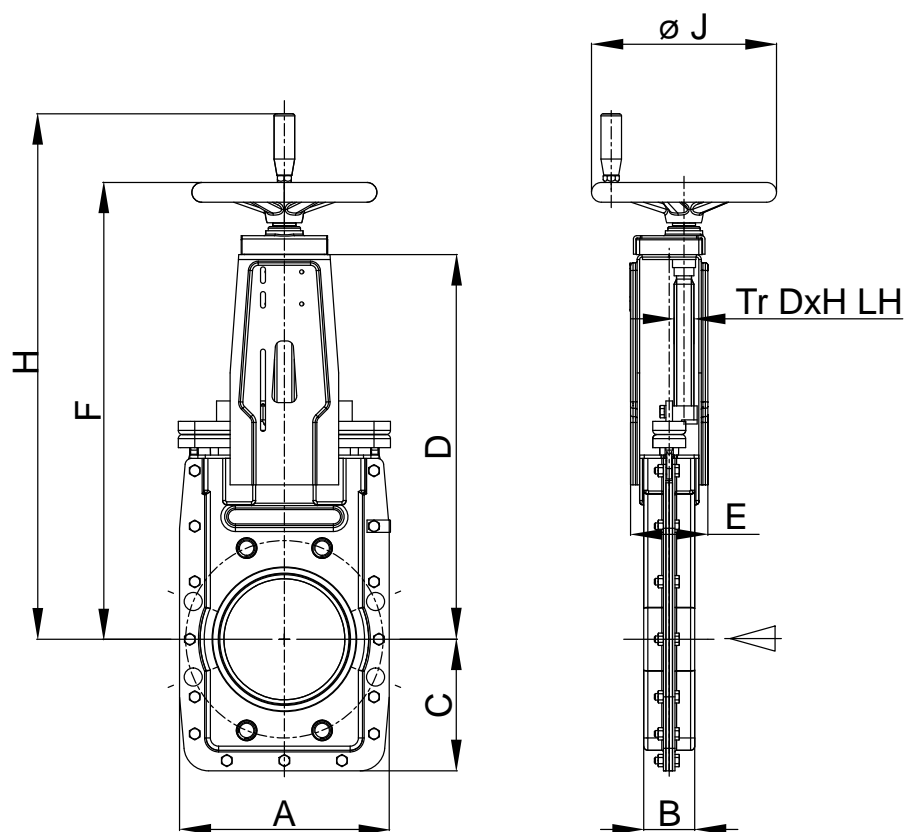
Z = total number of holes
 Z1 = number of joint-holes
 Z2 = number of through-going bores
 T = usable depth of thread

Pressure ranges

| DN | standard | | options | | | |
|-----|----------------------|--------------------------|----------------------|--------------------------|--|--|
| | flange connection *) | operating pressure [bar] | flange connection *) | operating pressure [bar] | | |
| 50 | PN 10 | 8 | PN 16-25-40 | 40 | | |
| 65 | | | | | | |
| 80 | | | | | | |
| 100 | | | PN 16-25 | 25 | | |
| 125 | | | | | | |
| 150 | | | | | | |
| 200 | | PN 16 | 16 | | | |
| 250 | | | | | | |
| 300 | | | | | | |
| 350 | | | | | | |
| 400 | | 4 | PN 10 | 10 | | |
| 450 | | | | | | |
| 500 | | | | | | |
| 600 | | 2.5 | | | | |
| 700 | | | | | | |
| 800 | | | | | | |

*) Flange connection acc. to DIN EN 1092-1, PN...
Other sizes on request.

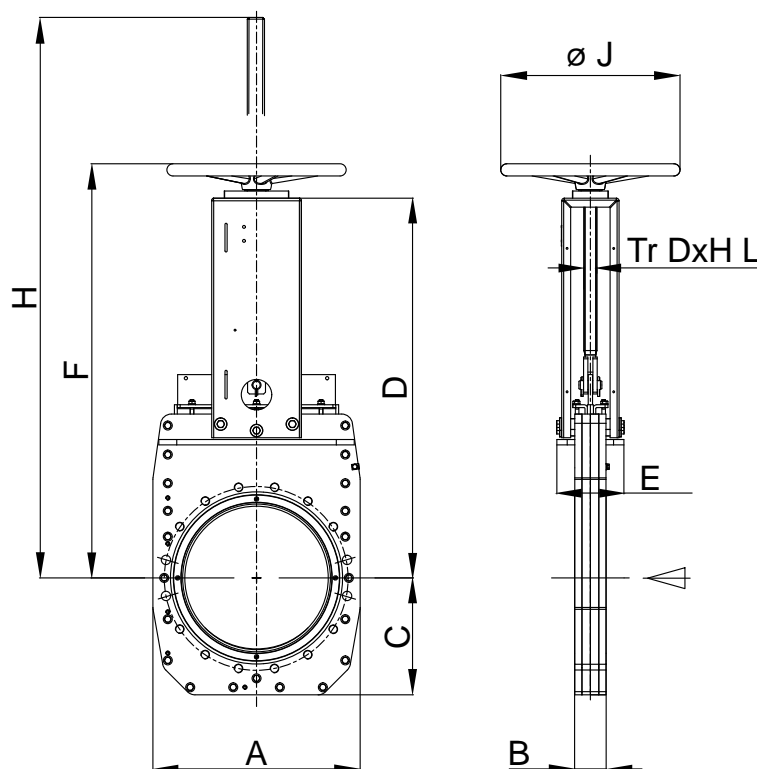
COMPACT-valve handwheel drive with non-rising stem



| DN | PS [bar] | A | B | C | D | E | F | H | Ø J | Tr D x H LH | weight ~[kg] |
|-------|----------|-----|-----|-----|------|-----|------|-----|-----|-------------|--------------|
| 50 | 8 | 185 | 42 | 100 | 313 | 78 | 394 | 478 | 180 | 20 x 4 | 9 |
| 65 | 8 | 185 | 42 | 100 | 313 | 78 | 394 | 478 | 180 | 20 x 4 | 9 |
| 80 | 8 | 175 | 52 | 125 | 313 | 78 | 395 | 478 | 180 | 20 x 4 | 9 |
| *)100 | 8 | 210 | 54 | 135 | 368 | 94 | 456 | 539 | 225 | 24 x 5 | 13 |
| *)125 | 8 | 230 | 52 | 145 | 413 | 94 | 500 | 584 | 225 | 24 x 5 | 15 |
| *)150 | 8 | 255 | 62 | 160 | 468 | 94 | 556 | 639 | 225 | 24 x 5 | 18 |
| 200 | 8 | 328 | 60 | 189 | 557 | 143 | 656 | 739 | 280 | 30 x 6 | 39 |
| 250 | 8 | 400 | 68 | 230 | 668 | 166 | 767 | 850 | 280 | 30 x 6 | 55 |
| 300 | 6 | 450 | 72 | 260 | 764 | 170 | 869 | - | 360 | 30 x 6 | 68 |
| 350 | 6 | 510 | 72 | 290 | 907 | 190 | 998 | - | 360 | 30 x 6 | 130 |
| 400 | 6 | 575 | 90 | 326 | 1059 | 190 | 1163 | - | 500 | 30 x 6 | 180 |
| 450 | 4 | 630 | 110 | 315 | 1200 | 208 | 1304 | - | 500 | 30 x 6 | 262 |
| 500 | 4 | 700 | 110 | 350 | 1265 | 228 | 1384 | - | 500 | 36 x 6 | 263 |
| 600 | 4 | 810 | 130 | 405 | 1495 | 268 | 1614 | - | 500 | 36 x 6 | |

*) Opening DN - 3mm, full opening on request.
Dimensions in mm, flange dimensions to DIN EN 1092-1, PN 10 or ANSI B 16.5 Class 150 (≥ DN 700: ANSI B 16.47 Class 150).
Further sizes on request.

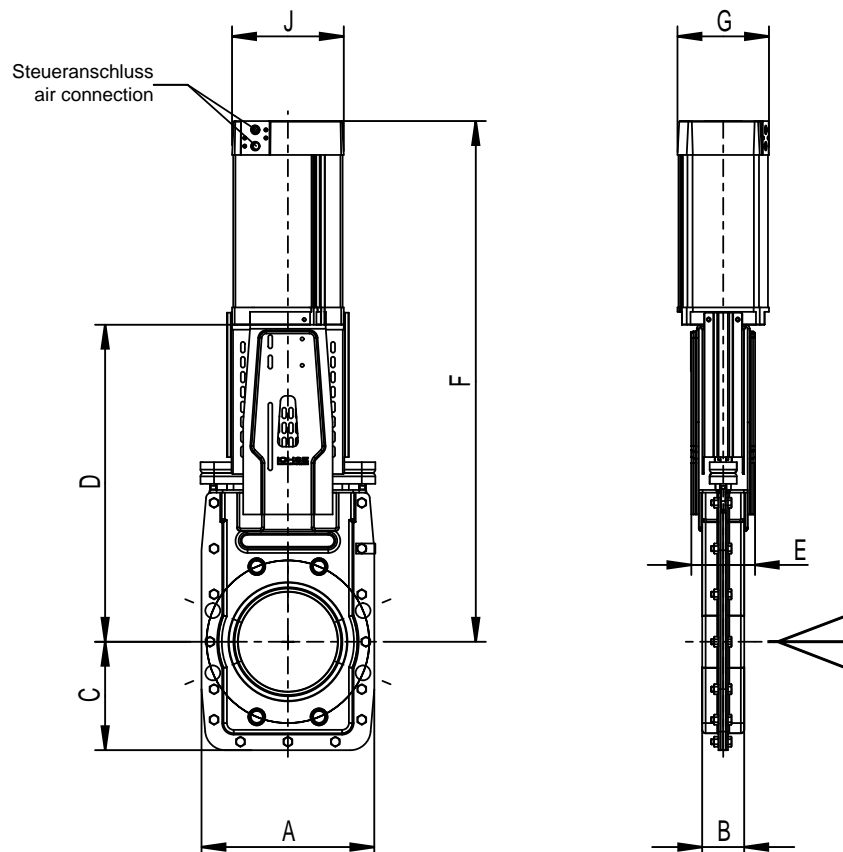
COMPACT-valve handwheel drive with rising stem



| DN | PS [bar] | A | B | C | D | E | F | H | Ø J | Tr D x H L | weight ~[kg] |
|-------|----------|------|-----|-----|------|-----|------|------|-----|------------|--------------|
| 50 | 8 | 185 | 42 | 100 | 313 | 78 | 378 | 425 | 225 | 20 x 4 | 8.3 |
| 65 | 8 | 185 | 42 | 100 | 313 | 78 | 378 | 440 | 225 | 20 x 4 | 8.8 |
| 80 | 8 | 175 | 52 | 125 | 313 | 78 | 378 | 455 | 225 | 20 x 4 | 9.1 |
| *)100 | 8 | 210 | 54 | 135 | 368 | 94 | 437 | 540 | 280 | 24 x 5 | 13.5 |
| *)125 | 8 | 230 | 52 | 145 | 413 | 94 | 482 | 610 | 280 | 24 x 5 | 15.3 |
| *)150 | 8 | 255 | 62 | 160 | 468 | 94 | 537 | 690 | 280 | 24 x 5 | 18.4 |
| 200 | 8 | 328 | 60 | 189 | 557 | 143 | 637 | 840 | 360 | 30 x 6 | 39 |
| 250 | 8 | 400 | 68 | 230 | 668 | 166 | 748 | 995 | 360 | 30 x 6 | 55 |
| 300 | 6 | 450 | 72 | 260 | 764 | 170 | 844 | 1145 | 360 | 30 x 6 | 93 |
| 350 | 6 | 510 | 72 | 290 | 907 | 190 | 1003 | 1355 | 500 | 36 x 6 | 101 |
| 400 | 6 | 575 | 90 | 326 | 1059 | 190 | 1155 | 1555 | 500 | 36 x 6 | 174 |
| 450 | 4 | 630 | 110 | 315 | 1200 | 208 | 1296 | 1760 | 500 | 36 x 6 | 258 |
| 500 | 4 | 700 | 110 | 350 | 1265 | 228 | 1361 | 1975 | 500 | 36 x 6 | 263 |
| 600 | 4 | 810 | 130 | 405 | 1495 | 268 | 1591 | 2205 | 640 | 44 x 7 | 472 |
| 700 | 2.5 | 960 | 151 | 480 | 1756 | 307 | 1887 | 2610 | 800 | 44 x 7 | 1060 |
| 800 | 2.5 | 1060 | 151 | 530 | 1976 | 446 | 2107 | 2930 | 800 | 44 x 7 | 1262 |

*) Opening DN - 3mm, full opening on request.
Dimensions in mm, flange dimensions to DIN EN 1092-1, PN 10 or ANSI B 16.5 Class 150 (≥ DN 700: ANSI B 16.47 Class 150).
Further sizes on request.

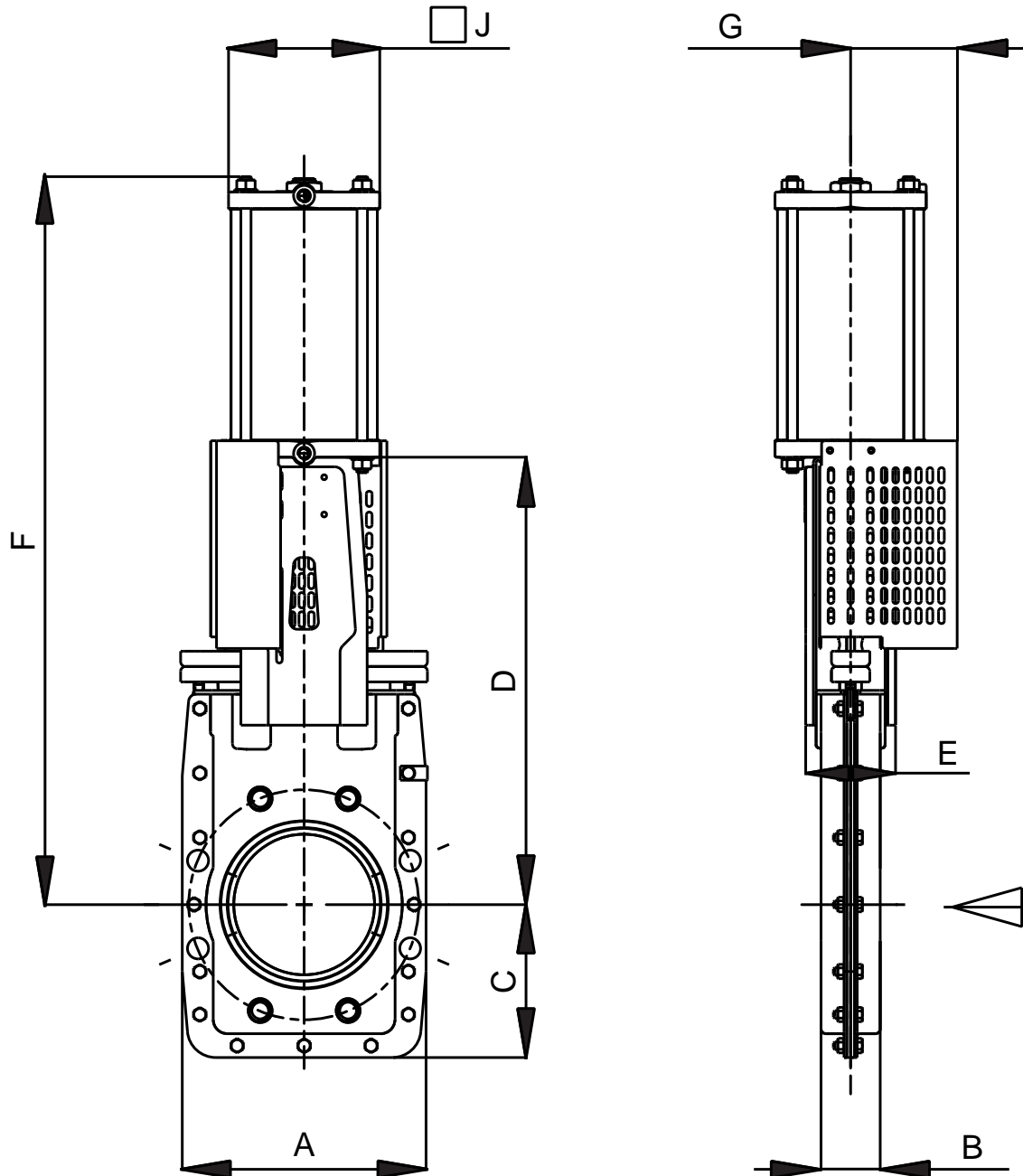
COMPACT-valve pneumatic cylinder and protection guard



| DN | PS [bar] | A | B | C | D | E | F | G | J | cyl Ø | air connection | control pressure [bar] | weight ~[kg] |
|-------|----------|-----|-----|-----|------|-----|------|-----|-----|-------|----------------|------------------------|--------------|
| 50 | 8 | 185 | 42 | 100 | 313 | 78 | 495 | 118 | 139 | 100 | G 1/4" | 6 | 11.2 |
| 65 | 8 | 185 | 42 | 100 | 313 | 78 | 510 | 118 | 139 | 100 | G 1/4" | 6 | 11.6 |
| 80 | 8 | 175 | 52 | 123 | 313 | 78 | 523 | 118 | 139 | 100 | G 1/4" | 6 | 12.6 |
| *)100 | 8 | 210 | 54 | 135 | 368 | 94 | 596 | 118 | 139 | 100 | G 1/4" | 6 | 15.4 |
| *)125 | 8 | 255 | 52 | 145 | 413 | 94 | 691 | 145 | 162 | 125 | G 1/4" | 6 | 21.4 |
| *)150 | 8 | 255 | 62 | 160 | 468 | 94 | 768 | 145 | 165 | 125 | G 1/4" | 6 | 25.3 |
| 200 | 8 | 328 | 60 | 190 | 557 | 143 | 917 | 178 | 204 | 160 | G 1/4" | 6 | 48.5 |
| 250 | 8 | 400 | 68 | 230 | 668 | 166 | 1069 | 178 | 204 | 160 | G 1/4" | 6 | 66.5 |
| 300 | 6 | 450 | 72 | 260 | 764 | 170 | 1218 | 178 | 204 | 160 | G 1/4" | 6 | 92 |
| 350 | 6 | 510 | 72 | 290 | 907 | 190 | 1452 | 215 | 244 | 200 | G 1/2" | 6 | 120 |
| 400 | 6 | 575 | 90 | 326 | 1059 | 190 | 1650 | 215 | 244 | 200 | G 1/2" | 6 | 207 |
| 450 | 4 | 630 | 110 | 315 | 1200 | 208 | 1870 | 242 | 283 | 230 | G 1/2" | 6 | 310 |
| 500 | 4 | 700 | 110 | 350 | 1265 | 228 | 1985 | 242 | 283 | 230 | G 1/2" | 6 | 350 |

*) Opening DN - 3mm, full opening on request.
Dimensions in mm, flange dimensions to DIN EN 1092-1, PN 10 or ANSI B 16.5 Class 150 (≥ DN 700: ANSI B 16.47 Class 150).
Further sizes on request.

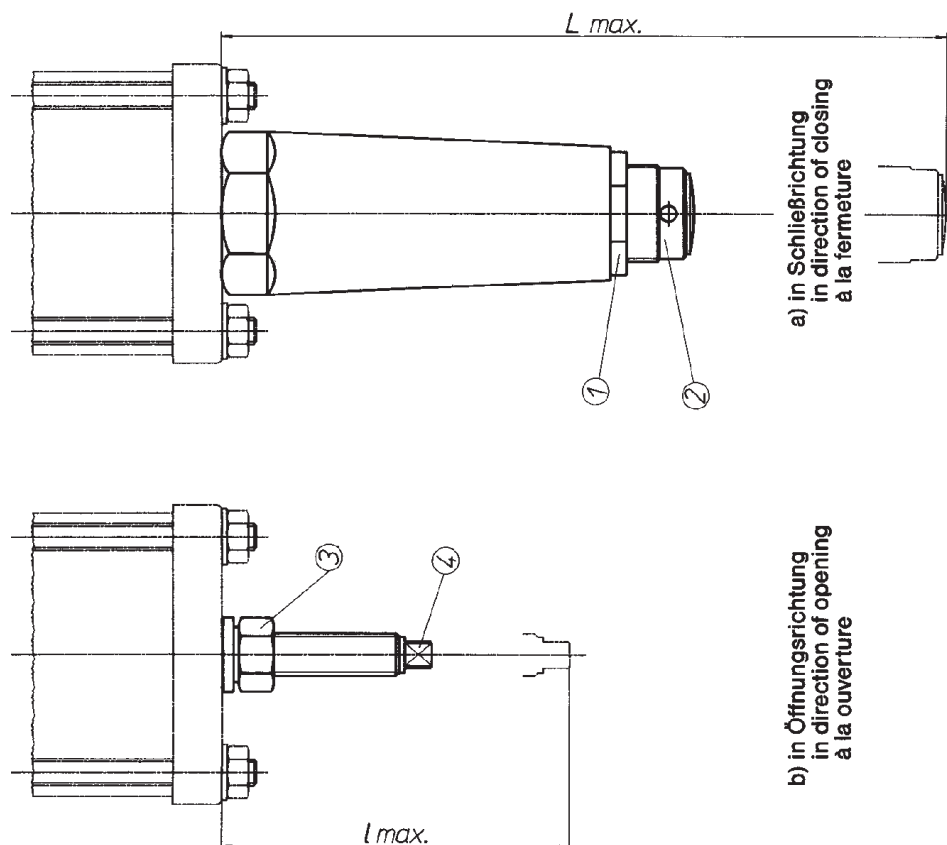
COMPACT-valve pneumatic cylinder and protection guard



| DN | PS [bar] | A | B | C | D | E | F | G | J | cyl Ø | air con- nection | control pressure [bar] | weight ~[kg] |
|-----|-------------|------|-----|-----|------|-----|------|-----|-----|-------|---------------------|------------------------------|-----------------|
| 600 | 4 | 810 | 130 | 405 | 1495 | 268 | 2314 | 318 | 318 | 300 | G 1/2" | 6 | 517 |
| 700 | 2.5 | 960 | 151 | 480 | 1756 | 307 | 2745 | 425 | 425 | 400 | G 3/4" | 6 | 1220 |
| 800 | 2.5 | 1060 | 151 | 530 | 1976 | 446 | 3065 | 425 | 425 | 400 | G 3/4" | 6 | 1340 |

Dimensions in mm, flange dimensions to DIN EN 1092-1, PN 10 or ANSI B 16.5 Class 150 (≥ DN 700: ANSI B 16.47 Class 150).
Further sizes on request.

COMPACT-valve pneumatic-cylinder and variable stroke limiter



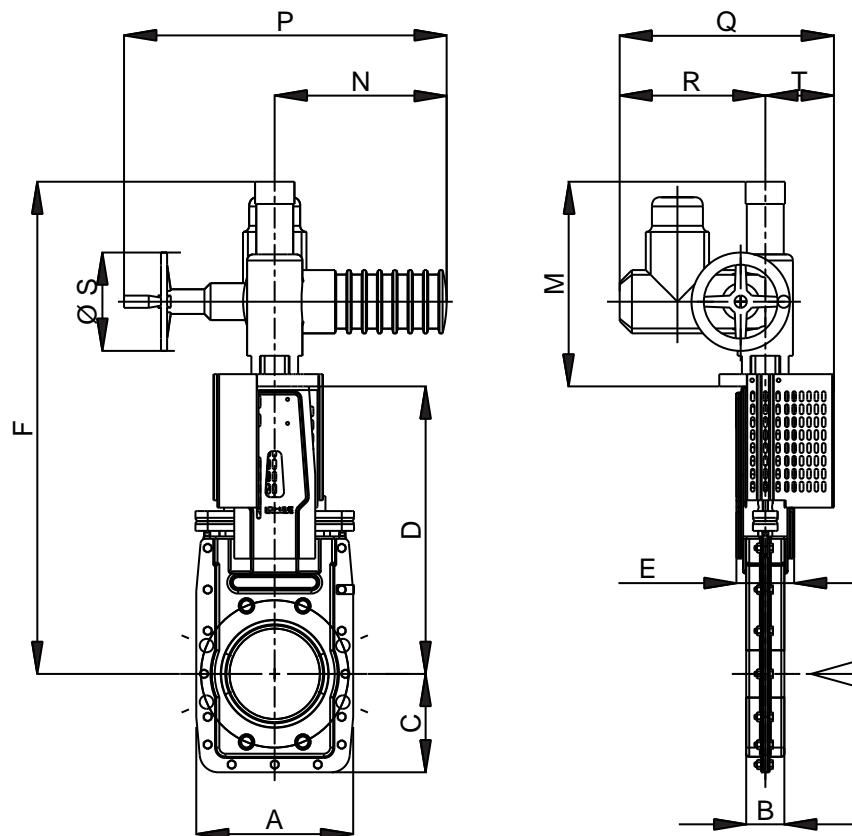
Variable stroke limiter

- in direction of closing:
loosen the nut (1), adjust the adjustable pipe (2), tighten the nut (1)
- in direction of opening:
loosen the nut (3), adjust the adjustable screw (4) tighten the nut

| DN | cyl.Ø [mm] | in direction of opening | in direction of closing |
|-----|------------|-------------------------|-------------------------|
| | | L max ~ | L max ~ |
| 50 | 100 | 140 | 268 |
| 65 | 100 | 140 | 268 |
| 80 | 100 | 140 | 268 |
| 100 | 125 | 190 | 413 |
| 125 | 125 | 190 | 413 |
| 150 | 145 | 225 | 428 |
| 200 | 175 | 252 | 550 |

Further sizes on request.

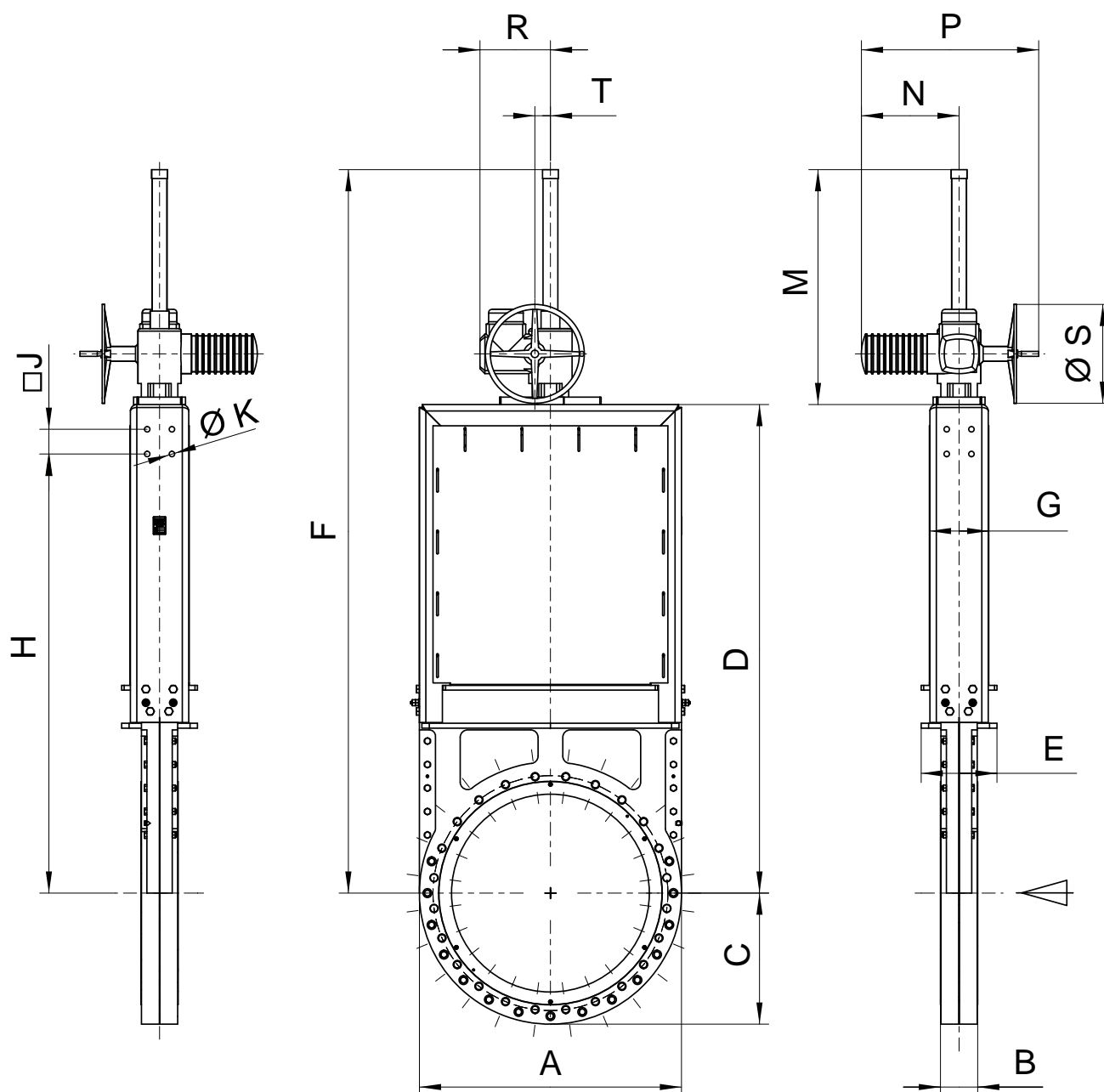
COMPACT-valve electric drive and protection guard



| DN | PS [bar] | A | B | C | D | E | F | M | N | P | Q | R | ØS | T | stem Tr DxH | closing time [s] | weight ~[kg] |
|-------|-------------|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|----------------|---------------------|-----------------|
| 50 | 8 | 185 | 42 | 100 | 313 | 78 | 646 | 333 | 280 | 515 | 349 | 237 | 160 | 112 | 20 x 4 | 18.7 | 32 |
| 65 | 8 | 185 | 42 | 100 | 313 | 78 | 646 | 333 | 280 | 515 | 349 | 237 | 160 | 112 | 20 x 4 | 24.4 | 32 |
| 80 | 8 | 175 | 52 | 125 | 313 | 78 | 646 | 333 | 280 | 515 | 349 | 237 | 160 | 112 | 20 x 4 | 29.7 | 32 |
| *)100 | 8 | 210 | 54 | 135 | 368 | 94 | 701 | 333 | 280 | 515 | 349 | 237 | 160 | 112 | 24 x 5 | 28.3 | 37 |
| *)125 | 8 | 230 | 52 | 145 | 413 | 94 | 746 | 333 | 280 | 515 | 349 | 237 | 160 | 112 | 24 x 5 | 35.2 | 38 |
| *)150 | 8 | 255 | 62 | 160 | 468 | 94 | 801 | 333 | 280 | 515 | 349 | 237 | 160 | 112 | 24 x 5 | 41.6 | 42 |
| 200 | 8 | 328 | 60 | 190 | 557 | 143 | 902 | 345 | 355 | 536 | 373 | 247 | 200 | 126 | 30 x 6 | 46.7 | 58 |
| 250 | 8 | 400 | 68 | 230 | 668 | 166 | 1013 | 345 | 355 | 536 | 373 | 247 | 200 | 126 | 30 x 6 | 57.8 | 84 |
| 300 | 6 | 450 | 72 | 260 | 764 | 170 | 1202 | 438 | 355 | 536 | 373 | 247 | 200 | 126 | 30 x 6 | 68.9 | 96 |
| 350 | 6 | 510 | 72 | 290 | 907 | 190 | 1350 | 443 | 355 | 536 | 389 | 247 | 200 | 142 | 36 x 6 | 78.0 | 124 |
| 400 | 6 | 575 | 90 | 326 | 1059 | 190 | 1602 | 543 | 355 | 536 | 393 | 247 | 200 | 146 | 36 x 6 | 90.0 | 198 |
| 450 | 4 | 630 | 110 | 315 | 1200 | 208 | 1808 | 608 | 285 | 713 | 436 | 285 | 315 | 151 | 36 x 6 | 101.0 | 291 |
| 500 | 4 | 700 | 110 | 350 | 1265 | 228 | 1873 | 608 | 380 | 713 | 436 | 285 | 315 | 151 | 36 x 6 | 112.0 | 328 |
| 600 | 4 | 810 | 130 | 405 | 1495 | 268 | 2203 | 708 | 380 | 713 | 446 | 285 | 315 | 161 | 44 x 7 | 83.0 | 527 |

*) Opening DN - 3mm, full opening on request.
Dimensions in mm, flange dimensions to DIN EN 1092-1, PN 10 or ANSI B 16.5 Class 150 (≥ DN 700: ANSI B 16.47 Class 150).
Further sizes on request.

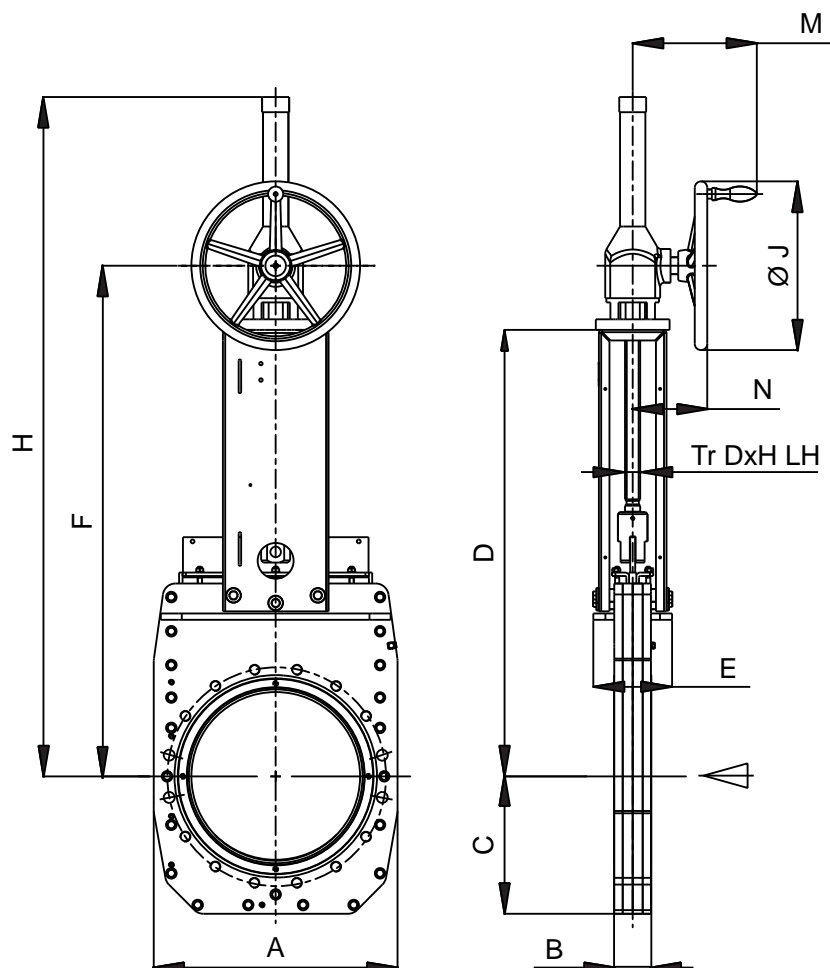
COMPACT-valve electric drive and protection guard



| DN | PS [bar] | A | B | C | D | E | F | G | H | J | ØK | M | N | P | R | ØS | T | stem Tr DxH | closing time [s] | weight ~[kg] |
|------|-------------|------|-----|-----|------|-----|------|-----|------|-----|----|------|-----|-----|-----|-----|----|----------------|---------------------|-----------------|
| 700 | 2.5 | 960 | 151 | 480 | 1756 | 307 | 2606 | 240 | 1550 | 100 | 22 | 850 | 395 | 717 | 285 | 400 | 63 | 44 x 7 | 96.6 | 1099 |
| 800 | 2.5 | 1060 | 151 | 530 | 1976 | 446 | 2926 | 240 | 1776 | 100 | 22 | 950 | 395 | 717 | 285 | 400 | 63 | 44 x 7 | 110.2 | 1285 |
| 900 | 1.5 | 1170 | 160 | 585 | 2108 | 311 | 3253 | 240 | 1790 | 100 | 22 | 1145 | 510 | 860 | 330 | 500 | 80 | 44 x 7 | 108.9 | 1536 |
| 1000 | 1.5 | 1260 | 170 | 630 | 2470 | 311 | 3720 | 264 | 2170 | 100 | 22 | 1250 | 510 | 860 | 330 | 500 | 80 | 48 x 8 | 122.7 | 2125 |

Dimensions in mm, flange dimensions to DIN EN 1092-1, PN 10 or ANSI B 16.5 Class 150 (≥ DN 700: ANSI B 16.47 Class 150).
Further sizes on request.

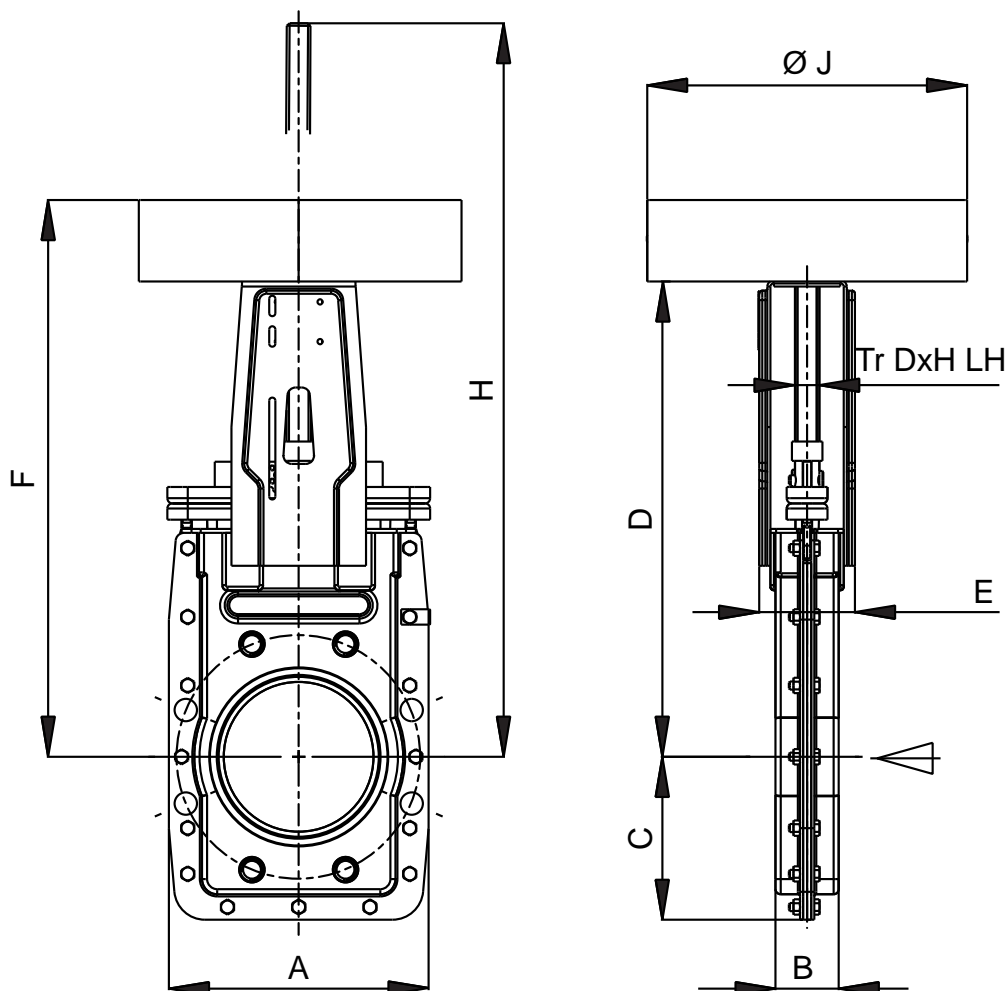
COMPACT-valve bevel gear box and handwheel



| DN | PS [bar] | A | B | C | D | E | F | H | Ø J | M | N | Tr D x H LH | weight ~[kg] |
|-------|----------|------|-----|-----|------|-----|------|------|-----|-----|-----|-------------|-----------------|
| *)150 | 8 | 225 | 62 | 160 | 468 | 94 | 615 | 770 | 360 | 278 | 174 | 24 x 5 | 33 |
| 200 | 8 | 328 | 60 | 190 | 557 | 143 | 704 | 909 | 360 | 278 | 174 | 30 x 6 | 55 |
| 250 | 8 | 400 | 68 | 230 | 668 | 166 | 815 | 1070 | 360 | 278 | 174 | 30 x 6 | 72 |
| 300 | 6 | 450 | 72 | 260 | 764 | 170 | 911 | 1216 | 360 | 278 | 174 | 30 x 6 | 82 |
| 350 | 6 | 520 | 72 | 290 | 907 | 190 | 1059 | 1414 | 400 | 295 | 185 | 36 x 6 | 146 |
| 400 | 6 | 578 | 90 | 326 | 1059 | 190 | 1211 | 1611 | 400 | 295 | 185 | 36 x 6 | 191 |
| 450 | 4 | 630 | 110 | 315 | 1200 | 208 | 1352 | 1802 | 400 | 295 | 185 | 36 x 6 | 274 |
| 500 | 4 | 700 | 110 | 350 | 1265 | 228 | 1455 | 1947 | 400 | 340 | 222 | 36 x 6 | 327 |
| 600 | 4 | 810 | 130 | 405 | 1495 | 268 | 1685 | 2250 | 500 | 340 | 222 | 44 x 7 | 503 |
| 700 | 2.5 | 960 | 151 | 480 | 1756 | 307 | 1946 | 2422 | 500 | 340 | 222 | 44 x 7 | 1075 |
| 800 | 2.5 | 1060 | 151 | 530 | 1976 | 446 | 2166 | 2927 | 500 | 340 | 222 | 44 x 7 | 1265 |

*) Opening DN - 3mm, full opening on request.
Dimensions in mm, flange dimensions to DIN EN 1092-1, PN 10 or ANSI B 16.5 Class 150 (≥ DN 700: ANSI B 16.47 Class 150).
Further sizes on request.

COMPACT-valve sprocket drive

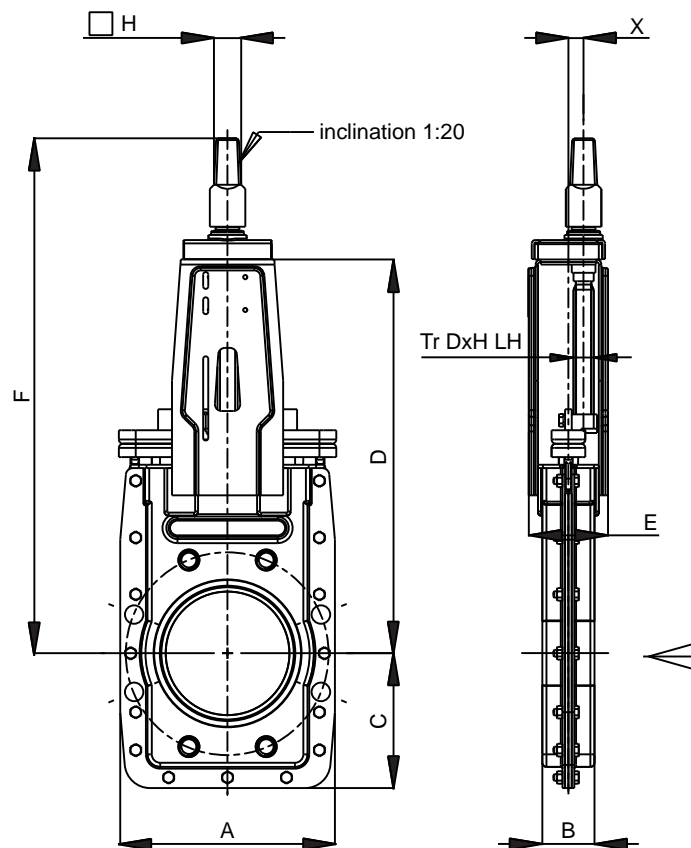


| DN | PS [bar] | A | B | C | D | E | F | H | Ø J | Tr D x H LH | weight ~[kg] |
|-------|----------|-----|----|-----|------|-----|------|------|-----|-------------|--------------|
| 50 | 8 | 185 | 42 | 100 | 313 | 78 | 394 | 397 | 274 | 20 x 4 | 14 |
| 65 | 8 | 185 | 42 | 100 | 313 | 78 | 394 | 412 | 274 | 20 x 4 | 14 |
| 80 | 8 | 175 | 52 | 125 | 313 | 78 | 394 | 437 | 274 | 20 x 4 | 14 |
| *)100 | 8 | 210 | 54 | 135 | 368 | 94 | 447 | 520 | 314 | 24 x 5 | 18 |
| *)125 | 8 | 230 | 52 | 145 | 413 | 94 | 492 | 595 | 314 | 24 x 5 | 21 |
| *)150 | 8 | 255 | 62 | 160 | 468 | 94 | 547 | 665 | 314 | 24 x 5 | 25 |
| 200 | 8 | 328 | 60 | 190 | 557 | 143 | 636 | 821 | 394 | 30 x 6 | 50 |
| 250 | 8 | 400 | 68 | 230 | 668 | 166 | 747 | 981 | 394 | 30 x 6 | 66 |
| 300 | 6 | 450 | 72 | 260 | 764 | 170 | 843 | 1131 | 394 | 30 x 6 | 87 |
| 350 | 6 | 510 | 72 | 290 | 907 | 190 | 1000 | 1350 | 516 | 36 x 6 | 113 |
| 400 | 6 | 575 | 90 | 326 | 1059 | 190 | 1152 | 1550 | 516 | 36 x 6 | 198 |

*) Opening DN - 3mm, full opening on request.

Dimensions in mm, flange dimensions to DIN EN 1092-1, PN 10 or ANSI B 16.5 Class 150 (≥ DN 700: ANSI B 16.47 Class 150).
Further sizes on request.

COMPACT-valve square head



| DN | PS [bar] | A | B | C | D | E | F | H | X | Tr D x H LH | weight ~[kg] |
|-------|----------|-----|-----|-----|------|-----|------|----|------|-------------|--------------|
| 50 | 8 | 185 | 42 | 100 | 313 | 78 | 455 | 32 | 15 | 20 x 4 | 9 |
| 65 | 8 | 185 | 42 | 100 | 313 | 78 | 455 | 32 | 15 | 20 x 4 | 10 |
| 80 | 8 | 175 | 52 | 125 | 313 | 78 | 456 | 32 | 15 | 20 x 4 | 10 |
| *)100 | 8 | 210 | 54 | 135 | 368 | 94 | 512 | 32 | 18 | 24 x 5 | 12 |
| *)125 | 8 | 230 | 52 | 145 | 413 | 94 | 557 | 32 | 18 | 24 x 5 | 15 |
| *)150 | 8 | 255 | 62 | 160 | 468 | 94 | 612 | 32 | 18 | 24 x 5 | 18 |
| 200 | 8 | 328 | 60 | 190 | 557 | 143 | 707 | 32 | 22 | 30 x 6 | 38 |
| 250 | 8 | 400 | 68 | 230 | 668 | 166 | 818 | 32 | 22 | 30 x 6 | 51 |
| 300 | 6 | 450 | 72 | 260 | 764 | 170 | 914 | 32 | 22 | 30 x 6 | 67 |
| 350 | 6 | 510 | 72 | 290 | 907 | 190 | 1043 | 32 | 26 | 36 x 6 | 96 |
| 400 | 6 | 575 | 90 | 326 | 1059 | 190 | 1195 | 32 | 26 | 36 x 6 | 136 |
| 450 | 4 | 630 | 110 | 315 | 1200 | 208 | 1336 | 32 | 28.5 | 36 x 6 | 261 |
| 500 | 4 | 700 | 110 | 350 | 1265 | 228 | 1416 | 32 | 35 | 36 x 6 | 311 |
| 600 | 4 | 810 | 130 | 405 | 1495 | 268 | 1646 | 32 | 35 | 44 x 7 | 468 |

*) Opening DN - 3mm, full opening on request.
Dimensions in mm, flange dimensions to DIN EN 1092-1, PN 10 or ANSI B 16.5 Class 150 (≥ DN 700: ANSI B 16.47 Class 150).
Further sizes on request.

Germany + Switzerland

MARTIN LOHSE GmbH

Unteres Paradies 63
89522 Heidenheim
Phone: +49 7321 755-0
sales@lohse-gmbh.de
www.lohse-gmbh.de

Australia, New Zealand, Indonesia,

Singapore, Malaysia

P.T. VOITH PAPER

Jl. Permata V Lot EE - 1
Kawasan Industri KIIC
Karawang 41361, INDONESIA
Phone : +62 267 419 719
Fax : +62 267 419 717

Austria (Papier- + Zellstoffindustrie, Abwasser + Kläranlagen) + CZ, SK,

SLO, SRB, HR, H

Peter Rejter

Handel Mazzetti-Str. 85
3100 St. Pölten
Phone: +43 2742 77366
Fax: +43 2742 77366
office@industriearmaturen.at

Austria

Klinger Gebetsroither GmbH & Co KG

Am Kanal 8-10
2352 Gumpoldskirchen
Phone: +43 2252 60 71 00 3029
Fax: +43 2252 60 71 00 3010
gerhard.praxmarer@gebetsroither.at
www.gebetsroither.at

Belgium

Hanwel Belgium N.V.

Winninglaan 15
9140 Temse
Phone: +32 3 7110353
Fax: +32 3 7110579
info@hanwel.be
www.hanwel.be

Chile

INTERTECH

Prat 116, Of 31
Curicó, Chile
phone +56.075.322033
www.inter-tech.cl
n.flores@inter-tech.cl

People's Rep. Of China

Shanghai Fier Mechanical Co. LTD

Room B4, 15/F HuaFu Bldg.
No. 585 LongHua xi Rd.
ShangHai, China 200232
Phone: +86 21 54591038
Fax: +86 21 54240616
MP: 13611665381
shfier@163.com
www.fier.com.cn

Denmark

Uni-Valve A/S

Sydvestvej 138 – 140
2600 Glostrup
Phone: +45 43 438200
Fax: +45 43 437475
mail@uni-valve.com
www.uni-valve.com

Finland

KLINGER Finland Oy

Tinankuja 3
02430 Masala
Phone: +358 10 4001011
info@klinger.fi
www.klinger.fi

France, MA, TN, DZ

T.N.P.

30 Boussegré
58140 Lormes
Phone: +33 1 559711-11
Fax: +33 1 48835207
contact@tnp.fr
www.tnp.fr

Great Britain

Voith Turbo Ltd.

6 Beddington Farm Road
Croydon, Surrey CRO, 4XB
Phone: +44 208 6673013
Fax: +44 208 6670403
matthew.healy@voith.com

Greece

Niko Mikopoulos, BSc.

Metron Str. 28
17123 Nea Smyrni-Athens
Phone: +30 6 98 305 10 70
n.mikopoulos@nm-bc.com

India

Antrieb Technik Private Limited

59 (old 359) Sidco Industrial Estate
Ambattur
Chennai-600 098
Tamilnadu / INDIA
Phone: +91 44 262-58303
Fax: +91 44 2819-3718
antrieb.technik@gmail.com

Israel

P.B.A Wiesner Agencies Ltd.

P. O. Box 4622
Petach-Tikva 49277
Phone: +972 3 9052111
Fax: +972 3 9052110
ofra@pba.co.il

Italy

Techno Paper S.R.L.

Viale Certosa 269
20151 Milano (MI)
Phone: +39 02 78627750
Fax: +39 02 45471638
info@techno-paper.com
www.techno-paper.com

Japan

Voith IHI Paper Technology Co.Ltd.

River City M-SQUARE 7F
2-1-6 Tsukuda, Chuo-ku
1040051 Tokyo
Phone: +81 3 6221 3108
Fax: +81 3 6221 3126

Korea

C.S-Automation Co., Ltd. (Customer Satisfaction Automation)

#804 Sejung Technovalley
279-5 Songjeong-Dong
Heungdeok-Gu
Cheongju-Si
South Korea. 361-290
Phone: +82 43 276 1332
Fax: +82 43 278 1332
changseol@korea.com

Netherlands

Hanwel B. V.

Jan Tinbergenstraat 209
7559 SP Hengelo
The Netherlands
Phone: +31 74 2650000
Fax: +31 74 2650001
verkoop@hanwel.com
www.hanwel.com

Norway

KSB Norge AS

Haugenveien 29
1400 SKI
Phone: +47 96 900 900
firmapost@ksb.com
www.ksb.com/ksb-no

Philippines

R. Dan and Co., Inc.

Lot 6-9 Block 5 Greenway Business
Park
Bulihan, Silang,
Cavite Philippines 4118
Phone: +63 960 690 0244
ester.poe@robertdan.com.ph
www.robertdan.com.ph

Poland

Waldemar Kulicki

ul. Heweliusza 37/4
87-148 Papowo Toruńskie
Phone: +48 509 46 64 25
waldemar-kulicki@wp.pl
www.wkulicki.eu

Rep. of South Africa

Voith Turbo (Pty) Ltd

P.O. Box 13171
Witfield, 1467
Gauteng, SOUTH AFRICA
Phone: +27 11 418 4000
Fax: +27 11 418 4080
info.vtza@voith.com
www.rsa.voithturbo.com

Spain, Portugal

CELPAP EQUIPOS, S.L.

C/Amposta, 14-18
08174 Sant Cugat del Vallés
(Barcelona)
Phone +34 93 415 18 75
celpap@celpap.com
www.celpap.com

Sweden

PA-Ventiler AB

Sagbäcksvägen 3B
43736 Lindome
Phone: +46 31 992500
Fax: +46 31 992503
info@paventiler.se
www.paventiler.se

Taiwan

E-Chen Engineering Co., Ltd.

3F-3, No. 151, Sec. 4,
Hsin-Yi Road,
Taipei, Taiwan, R.O.C.
Phone: +886 22 7056185
Fax: +886 22 7045967
echen123@ms15.hinet.net

Thailand

Weston Myer Ltd.

8 Soi Seri-Thai 58
Seri-Thai Road
10510 Minburi Bangkok
Phone: +66 2 3745869
Fax: +66 2 375-1179
comm1@westonmyer.com

Turkey

Sanrep Kağıt San. ve Tic. Ltd. Şti.

Altıyol, Kuşdili Caddesi No:19/7
H.Fazlıoğlu İş Merkezi
34714 Kadıköy – İSTANBUL
Phone: +90 216 345 40 48
Fax: +90 216 330 73 12
sanrep@sanrep.com
www.sanrep.com

USA, Canada, Mexico

Voith Paper Inc.

2200 N. Roemer Rd.
Appleton, WI 54912-2237
Phone: +1 920 – 358 – 2396
Fax: +1 920 – 731 – 5126
VPAWSpareParts@voith.com