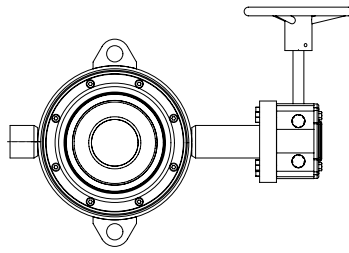


ARI-ZEDOX® - Fig. 121 - Butt weld ended high performance valve - Double offset

ARI-ZEDOX®
with worm gear

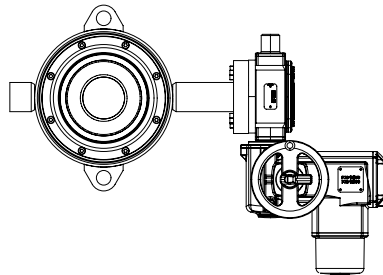


Page 4



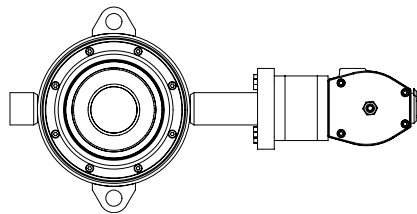
Fig. 121 -
ARI-ZEDOX® butt weld ended

ARI-ZEDOX®
with electric rotary actuator
Auma



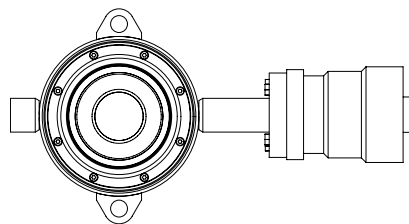
Page 5

ARI-ZEDOX®
with pneumatic actuator



Page 6

ARI-ZEDOX®
with hydraulic actuator

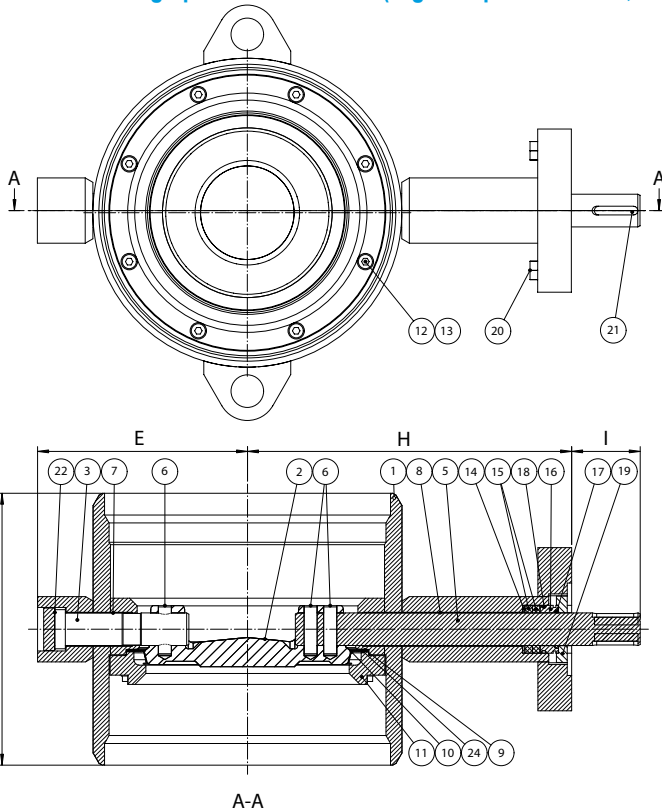


on request

Features:

- Carbon steel / stainless steel body
- Double offset construction:
Rotary movement (90°) without wear or friction
- Metallic or PTFE sealing
- Bi-directional tightness
- Replaceable seat ring



Butt weld ended high performance valve (High temperature steel, Stainless steel)


| Figure | Nominal pressure | Material | Nominal diameter | Sealing element |
|--------|------------------|----------|------------------|----------------------|
| 84.121 | PN6 - PN25 | 1.0425 | DN 200-700 | PTFE+C (TS) |
| | | | DN 200-1600 | Stainless steel (CS) |
| 54.121 | PN6 - PN25 | 1.4307* | DN 200-700 | PTFE+C (TS) |
| | | | DN 200-1600 | Stainless steel (CS) |

Face-to-face dimension series 14 acc. to DIN EN 12982

*1.4404 also possible

| Sealing element: | |
|--|---------------------|
| • PTFE+C (TS) | -40°C to 180°C |
| • Stainless steel (CS) | -40°C to 260°C |
| • higher temperatures up to 400°C on request | |
| Max. differential pressure: | |
| 84.121 | • 16 bar - standard |
| 54.121 | • 25 bar - option |

| Actuation arrangement: | |
|------------------------|--|
| • Worm gear | • Pneumatic actuator |
| • Electric actuator | • Hydraulic actuator |
| Sealing leakage test: | |
| PTFE+C | • DIN EN 12266-1 Leakage rate A |
| Stainless steel | • DIN EN 12266-1 Leakage rate B - standard |
| | • DIN EN 12266-1 Leakage rate A - option |

Options on request

| Parts | | | | | |
|---------------|-------|--------------------|---|---|--|
| Pos. | Sp.p. | Description | Fig. 84.121 | Fig. 54.121 | |
| 1 | | Body | P265GH, 1.0425 | X2CrNi18-9, 1.4307; special material by request | |
| 2 | | Disc | X4CrNiMoN27-5-2, 1.4460 | | |
| 3 | | Subshaft | X4CrNiMo16-5-1, 1.4418 | | |
| 5 | | Main shaft | X4CrNiMo16-5-1, 1.4418 | | |
| 6 | | Pin | X2CrNiMoN22-5-3, 1.4462 | | |
| 7 | | Subshaft bearing | PTFE on stainless steel net | | |
| 8 | | Stem bearing | PTFE on stainless steel net | | |
| 9 / 24 | x | Shim | 978-C / SIGRAFLEX HOCHDRUCK (SIGRAFLEX HOCHDRUCK for steam version) | | |
| 10 | x | Seat ring | Stainless steel or PTFE+C; special material by request | | |
| 11 | | Retaining ring | P265GH, 1.0425 | X2CrNi18-9, 1.4307; special material by request | |
| 12 | | Socket screw | A4-80 | | |
| 13 | | Washer | ZN | | |
| 14 | | Back-up-ring | X2CrNiMo17-12-2, 1.4404 | | |
| 15 | x | Box packing | Graphite | | |
| 16 | | Shaft seal bushing | X2CrNiMo17-12-2, 1.4404 | | |
| 17 / 18 | x | O-ring | EPDM (not fitted in steam version) | | |
| 19 | | Gland | X2CrNiMo17-12-2, 1.4404 | | |
| 20 | | Hexagonal screw | A4-70 | | |
| 21 | | Key | C45, 1.0503 | | |
| 22 | | Bearing plate | PTFE on stainless steel net | | |
| L Spare parts | | | | | |

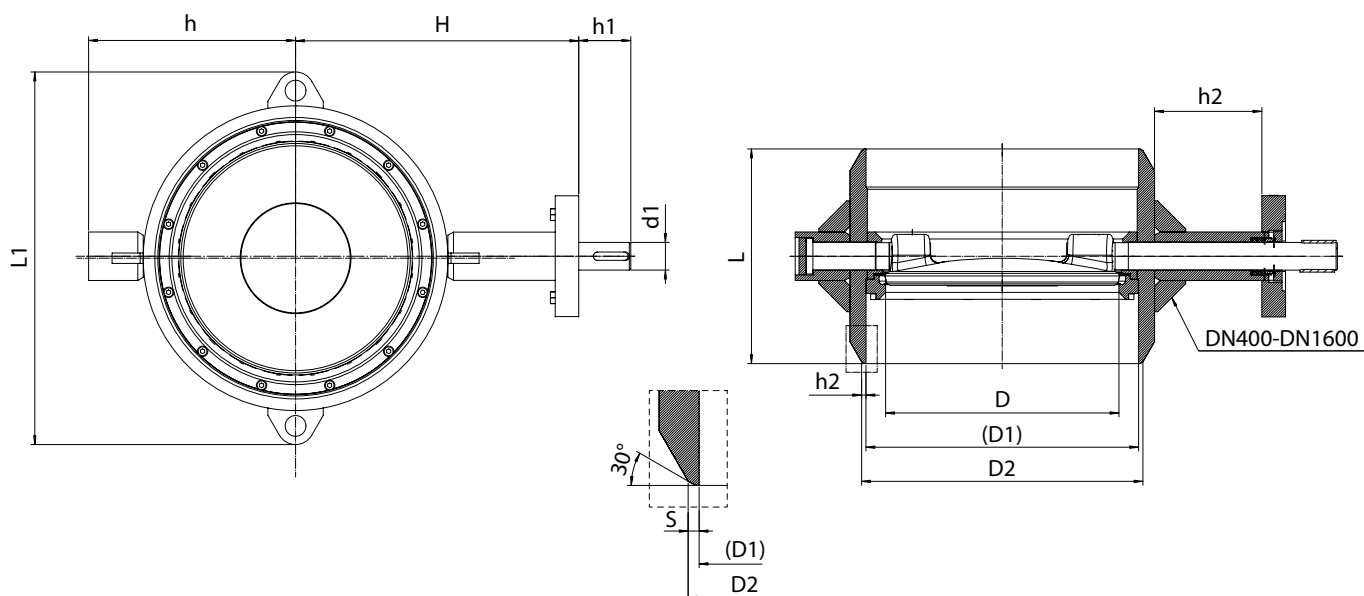
Information / restriction of technical rules need to be observed!

The engineer, designing a system or a plant, is responsible for the selection of the correct valve.

Resistance and suitability must be verified (contact manufacturer for information, refer to Product overview).

 TS = Teflon seal and **S**tainless steel disc

 CS = **C**hromed seal and **S**tainless steel disc



| DN | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|

| Face-to-face dimension series 14 acc. to DIN EN 12982 | | | | | | | | | | | | | | | | |
|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L | (mm) | 230 | 250 | 270 | 290 | 310 | 330 | 350 | 390 | 430 | 470 | 510 | 550 | 630 | 710 | 790 |

| Dimensions | | | | | | | | | | | | | | | | |
|-----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| D | (mm) | 138 | 187 | 238 | 286 | 337 | 386 | 437 | 483 | 582 | 682 | 775 | 855 | 1054 | 1237 | 1468 |
| D1 (DIN end) | (mm) | 210.1 | 263.0 | 312.7 | 344.4 | 393.8 | 444.4 | 495.4 | 593.6 | 693.6 | 795.2 | 894.4 | 994.0 | 1195 | 1392 | 1592 |
| D2 (DIN end) | (mm) | 219.1 | 273.0 | 323.9 | 355.6 | 406.4 | 457.0 | 508.0 | 609.6 | 711.2 | 812.8 | 914.4 | 1016 | 1220 | 1420 | 1620 |
| s (DIN end) | (mm) | 4.5 | 5 | 5.6 | 5.6 | 6.3 | 6.3 | 6.3 | 8 | 8.8 | 8.8 | 10 | 11 | 12.5 | 14 | 14 |
| D1 (GOST end) | (mm) | 210.1 | 263.0 | 312.7 | 365.0 | 414.0 | - | 514.0 | 616.0 | 704.0 | 804.0 | 902.0 | 1000 | 1195 | 1392 | 1592 |
| D2 (GOST end) | (mm) | 219.1 | 273.0 | 323.9 | 377.0 | 426.0 | - | 530.0 | 630.0 | 720.0 | 820.0 | 920.0 | 1020 | 1220 | 1420 | 1620 |
| s (GOST end) | (mm) | 4.5 | 5 | 5.6 | 6 | 6 | - | 8 | 7 | 8 | 8 | 9 | 10 | 12.5 | 14 | 14 |
| h | (mm) | 154 | 193 | 229 | 255 | 300 | 326 | 351 | 376 | 440 | 490 | 575 | 636 | 755 | 912 | 1032 |
| H | (mm) | 259 | 298 | 323 | 352 | 409 | 445 | 470 | 548 | 601 | 651 | 718 | 764 | 873 | 1018 | 1138 |
| h1 | (mm) | 58 | 63 | 69 | 75 | 75 | 86 | 86 | 103 | 119 | 119 | 125 | 130 | 160 | 180 | 165 |
| d1 | (mm) | 25 | 30 | 35 | 40 | 40 | 50 | 50 | 60 | 70 | 70 | 90 | 100 | 140 | 170 | 170 |
| h2 | (mm) | 115 | 125 | 125 | 125 | 155 | 149 | 149 | 178 | 181 | 183 | 194 | 183 | 182 | 206 | 206 |
| L1 | (mm) | 233 | 385 | 435 | 465 | 540 | 590 | 660 | 760 | 860 | 955 | 1070 | 1200 | 1440 | 1770 | 1918 |
| Flange ISO 5211 | | F10 | F12 | F12 | F14 | F14 | F16 | F16 | F16 | F25 | F30 | F30 | F30 | F35 | F40 | F40 |

| Weights for butt weld ended high performance valve | | | | | | | | | | | | | | | | | |
|--|-------------|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1.0425 | Fig. 84.121 | (kg) | 27 | 41 | 56 | 82 | 111 | 148 | 196 | 315 | 403 | 483 | 694 | 854 | 2050 | 3210 | 4180 |
| 1.4307 | Fig. 54.121 | (kg) | | | | | | | | | | | | | | | |

Pressure-temperature-ratings Intermediate values for max. permissible operational pressure can be determined by linear interpolation of the given temperature / pressure chart.

| acc. to Högfors standard | PN | | -40 °C | 0 °C | 50 °C | 100°C | 150°C | 200°C | 250°C | 260°C |
|--------------------------|----|-------|--------|------|-------|-------|-------|-------|-------|-------|
| 1.0425 | 16 | (bar) | 16 | 16 | 16 | 15 | 14,2 | 13,4 | 12,3 | 12,06 |
| 1.0425 | 25 | (bar) | 25 | 25 | 25 | 23,4 | 22,2 | 21 | 19,2 | 18,84 |

| acc. to Högfors standard | PN | | -40 °C | 0 °C | 50 °C | 100°C | 150°C | 200°C | 250°C | 260°C |
|--------------------------|----|-------|--------|------|-------|-------|-------|-------|-------|-------|
| 1.4307 | 16 | (bar) | 16 | 16 | 16 | 14,8 | 13,2 | 11,7 | 10,8 | 10,62 |
| 1.4307 | 25 | (bar) | 25 | 25 | 25 | 23,1 | 20,7 | 18,2 | 16,8 | 16,52 |

| acc. to Högfors standard | PN | | -40 °C | 0 °C | 50 °C | 100°C | 150°C | 200°C | 250°C | 260°C |
|--------------------------|----|-------|--------|------|-------|-------|-------|-------|-------|-------|
| 1.4404 | 16 | (bar) | 16 | 16 | 16 | 15,7 | 14,3 | 13 | 11,7 | 11,4 |
| 1.4404 | 25 | (bar) | 25 | 25 | 25 | 24,5 | 22,4 | 20,3 | 18,2 | 17,8 |

| DN | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|

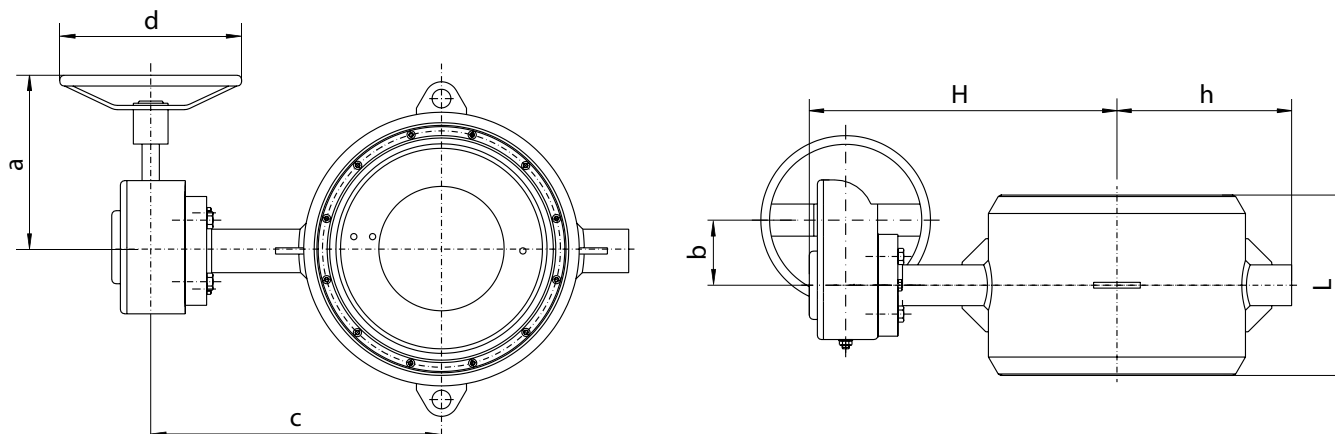
| Operation torque (bi-directional flow) | | | | | | | | | | | | | | | | | |
|--|-------------------------|---------|------|-----|-----|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| PN25 | sealing PTFE+C | Torque* | (Nm) | 190 | 320 | 550 | 850 | 1300 | 1800 | 2400 | 3400 | 5500 | - | - | - | - | - |
| | sealing stainless steel | | (Nm) | 240 | 400 | 700 | 1100 | 1600 | 2200 | 3000 | 4200 | 6800 | 10000 | 13000 | 16000 | 24000 | 34000 |

* for steam duty use the next size up

ZEDOX® Butt weld ended high performance valve with worm gear

Opening and closing of the valves with the handwheel.

The position of the disc can be seen on a position indicator on top of the gear.



| Parts | | | |
|---------------|-----|-------------|-----------------|
| Pos. | Sp. | Description | Fig. 84./54.121 |
| 500 | x | Worm gear | |
| L Spare parts | | | |

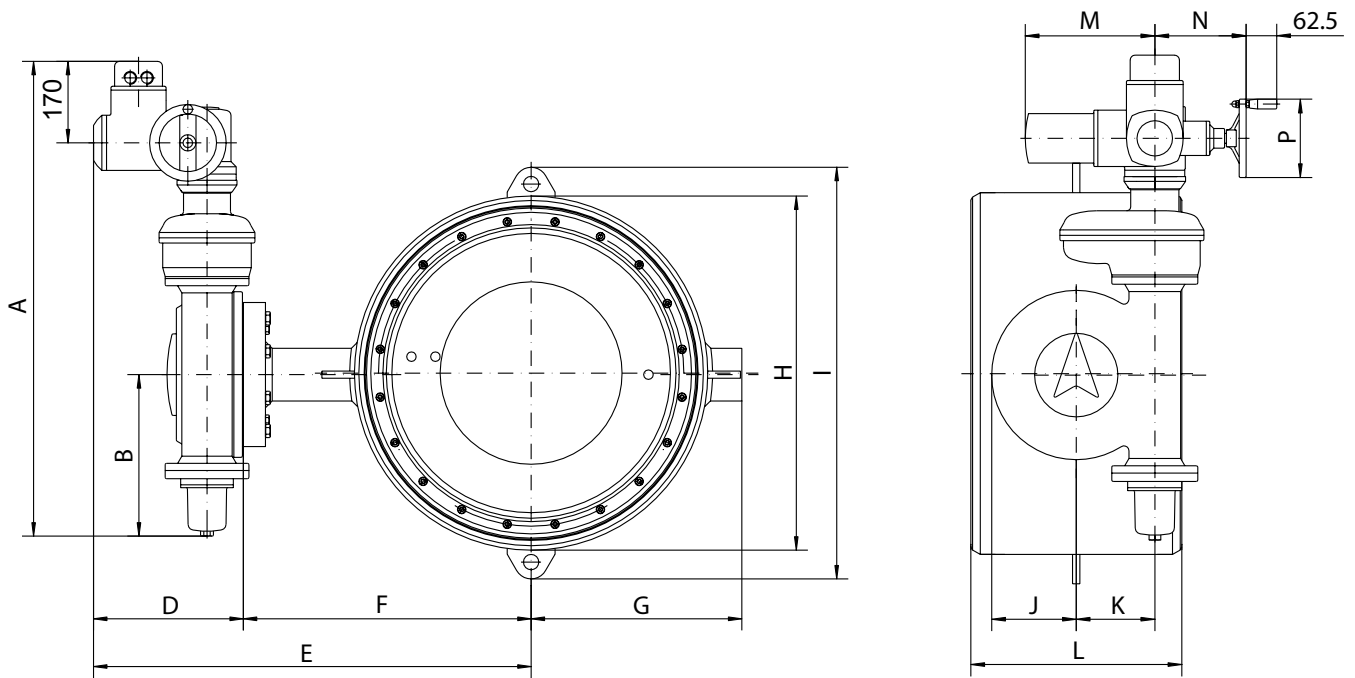
| DN | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|

| Dimensions | | | | | | | | | | | | | | | | |
|--------------|------|--------|--------|--------|--------|--------|---------|---------|---------|-------------|-------------|-------------|-------------|------------|------|------|
| H | (mm) | 346 | 385 | 410 | 442 | 499 | 566 | 591 | 678 | 760 | 810 | 877 | 942 | 1051 | 1219 | 1418 |
| h | (mm) | 154 | 193 | 229 | 255 | 300 | 326 | 351 | 376 | 440 | 490 | 575 | 636 | 755 | 912 | 1032 |
| a | (mm) | 220 | 255 | 255 | 291 | 291 | 387 | 387 | 382 | 500 | 500 | 546 | 571 | 571 | 621 | 683 |
| b | (mm) | 71 | 71 | 71 | 86 | 86 | 130 | 130 | 53 | 263 | 263 | 278 | 384 | 384 | 279 | 343 |
| c | (mm) | 300 | 339 | 363 | 394 | 451 | 500 | 525 | 608 | 660 | 710 | 777 | 864 | 973 | 1118 | 1312 |
| d | (mm) | 200 | 300 | 300 | 400 | 400 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 600 | 700 | 700 |
| Type of gear | | AB550N | AB550N | AB550N | AB880N | AB880N | AB2000N | AB2000N | AB2000N | AB6800N-PR4 | AB6800N-PR4 | AB6800N-PR6 | AB6800N-PR6 | A200N-PR10 | IW9 | IW10 |

| Weights with manual gear Rotork* | | | | | | | | | | | | | | | | | |
|----------------------------------|-------------|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1.0425 | Fig. 84.121 | (kg) | 36 | 50 | 65 | 96 | 125 | 172 | 220 | 339 | 466 | 546 | 758 | 918 | 2184 | 3610 | 4588 |
| 1.4307 | Fig. 54.121 | (kg) | | | | | | | | | | | | | | | |

*weight of hand wheel is not included

ZEDOX® Butt weld ended high performance valve with electric rotary actuator Auma

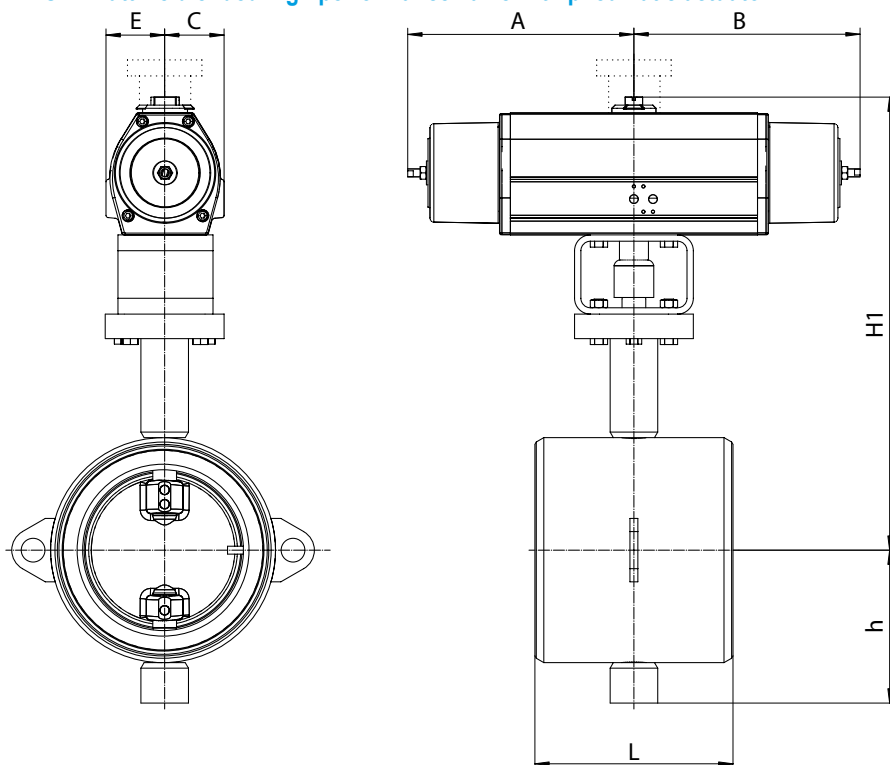


| DN | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|

| Face-to-face dimension series 14 acc. to DIN EN 12982 | | | | | | | | | | | | | | | | |
|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L | (mm) | 230 | 250 | 270 | 290 | 310 | 330 | 350 | 390 | 430 | 470 | 510 | 550 | 630 | 710 | 790 |

| Dimensions | | | | | | | | | | | | | | | | |
|------------------|------|-------------------|-------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------------------------|------------|
| A | (mm) | 444 | 500 | 510 | 689 | 689 | 689 | 700 | 700 | 990 | 1131 | 1131 | 1131 | 1131 | 1303 | on request |
| B | (mm) | 96 | 127 | 132 | 182 | 182 | 182 | 187 | 187 | 337 | 398 | 398 | 398 | 486 | 550 | |
| D | (mm) | 277 | 282 | 284 | 312 | 312 | 312 | 322 | 322 | 313 | 338 | 338 | 338 | 381 | 399 | |
| E | (mm) | 536 | 580 | 607 | 665 | 721 | 757 | 792 | 870 | 914 | 989 | 1056 | 1145 | 1254 | 1417 | |
| F | (mm) | 259 | 298 | 323 | 353 | 409 | 445 | 470 | 548 | 601 | 651 | 718 | 764 | 873 | 1018 | |
| G | (mm) | 154 | 193 | 229 | 255 | 299 | 326 | 351 | 376 | 440 | 490 | 575 | 636 | 755 | 912 | |
| H | (mm) | 233 | 284 | 334 | 389 | 440 | 490 | 540 | 638 | 738 | 835 | 946 | 1060 | 1279 | 1492 | |
| J | (mm) | 63 | 75 | 88 | 105 | 105 | 105 | 125 | 125 | 173 | 215 | 215 | 268 | 268 | 340 | |
| K | (mm) | 50 | 63 | 80 | 100 | 100 | 100 | 125 | 125 | 160 | 200 | 200 | 250 | 250 | 315 | |
| M | (mm) | 265 | 265 | 265 | 265 | 265 | 265 | 282 | 282 | 265 | 265 | 265 | 265 | 282 | 282 | |
| N | (mm) | 186 | 186 | 186 | 186 | 186 | 186 | 193 | 193 | 186 | 186 | 186 | 186 | 193 | 193 | |
| P | (mm) | 140 | 160 | 160 | 160 | 160 | 160 | 200 | 200 | 160 | 160 | 160 | 160 | 200 | 200 | |
| Type of actuator | (mm) | SA07.2-GS50.3-F10 | SA07.6-GS63.3-F12 | SA07.6-GS80.3-F12 | SA07.6-GS100.3/VZ4.3-F14 | SA07.6-GS100.3/VZ4.3-F14 | SA07.6-GS100.3/VZ4.3-F16 | SA10.2-GS125.3/VZ4.3-F16 | SA10.2-GS125.3/VZ4.3-F16 | SA07.6-GS160.3-GZ160.3-F25 | SA07.6-GS200.3-GZ200.3-F30 | SA07.6-GS200.3-GZ200.3-F30 | SA07.6-GS200.3-GZ200.3-F30 | SA10.2-GS250.3-GZ250.3-F35 | SA10.2-GS315-GZ30.1-F40 | |

| Weights for with electric actuator | | | | | | | | | | | | | | | | | |
|------------------------------------|-------------|------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------------|
| 1.0425 | Fig. 84.121 | (kg) | 53 | 72 | 91 | 136 | 165 | 202 | 264 | 383 | 515 | 674 | 885 | 1045 | 2383 | 3865 | on request |
| 1.4307 | Fig. 54.121 | (kg) | | | | | | | | | | | | | | | |

ZEDOX® Butt weld ended high performance valve with pneumatic actuator


| DN | 200 | 250 | 300 | 350 | 400** | 450** | 500** |
|----|-----|-----|-----|-----|-------|-------|-------|
|----|-----|-----|-----|-----|-------|-------|-------|

Face-to-face dimension series 14 acc. to DIN EN 12982

| L | (mm) | 230 | 250 | 270 | 290 | 310 | 330 | 350 |
|---|------|-----|-----|-----|-----|-----|-----|-----|
|---|------|-----|-----|-----|-----|-----|-----|-----|

Dimensions

| | (mm) | 75 | 110 | 110 | 110 | 110 | 110 | 190 | |
|-------------------|------|----------|-----|----------|----------|----------|----------|----------|-----------|
| E | (mm) | 69 | 110 | 110 | 110 | 110 | 110 | 190 | |
| C | (mm) | 154 | 193 | 229 | 255 | 300 | 326 | 351 | |
| h | (mm) | 504 | 686 | 701 | 730 | 1002 | 1038 | 1100 | |
| H1 | (mm) | 285 | 145 | 510 | 510 | 510 | 510 | 850 | |
| A | (mm) | 285 | 510 | 510 | 510 | 510 | 510 | 850 | |
| B | (mm) | RC260-SR | | RC270-SR | RC280-SR | RC280-SR | RC-88-SR | RC-88-SR | RCG100-SR |
| Type of actuator* | | | | | | | | | |

Weights with pneumatic actuator

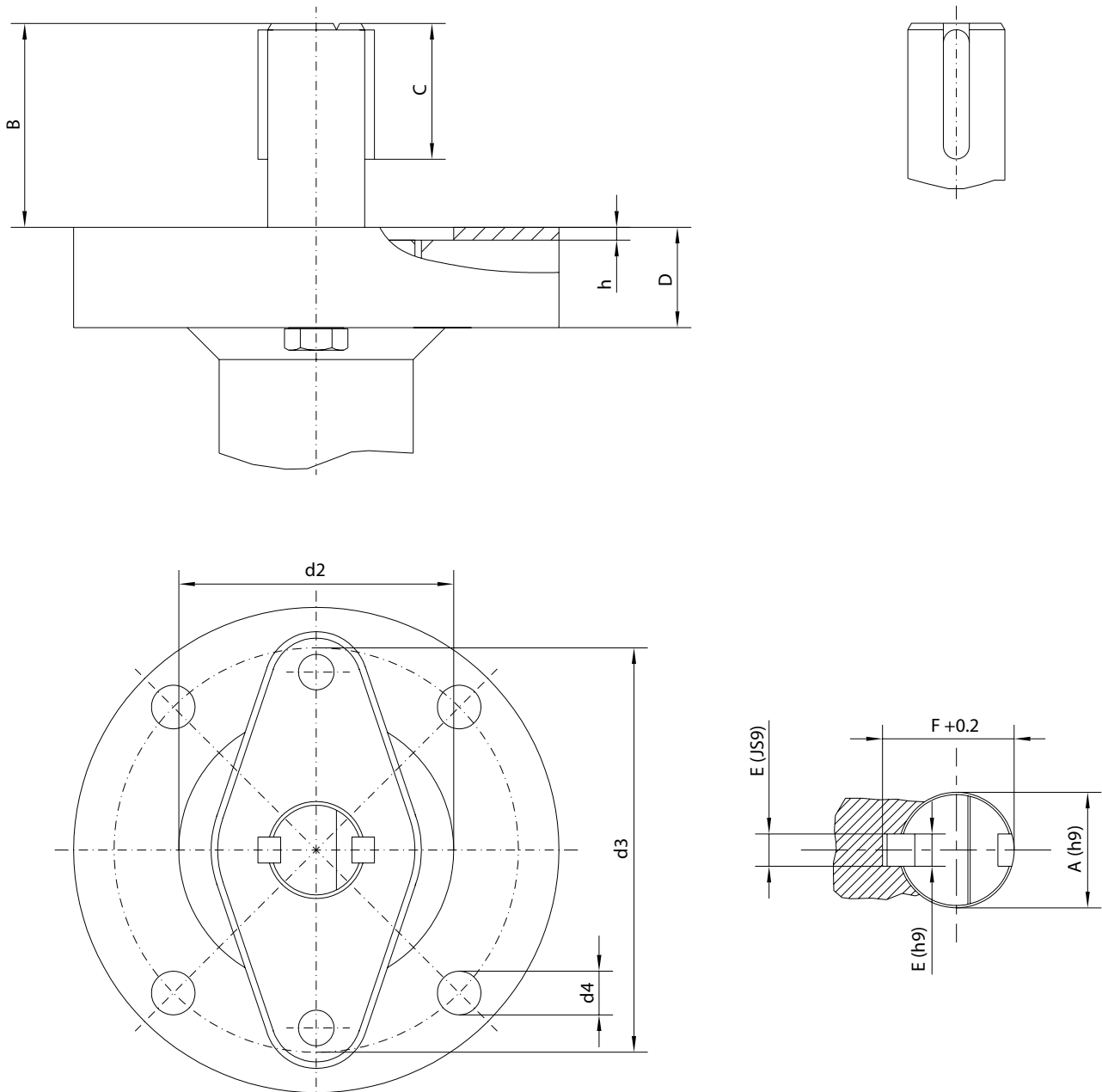
| | | | | | | | | | |
|--------|-------------|------|----|----|-----|-----|-----|-----|-----|
| 1.0425 | Fig. 84.121 | (kg) | 48 | 94 | 132 | 158 | 255 | 292 | 711 |
| 1.4307 | Fig. 54.121 | (kg) | | | | | | | |

* at air pressure 6 bar

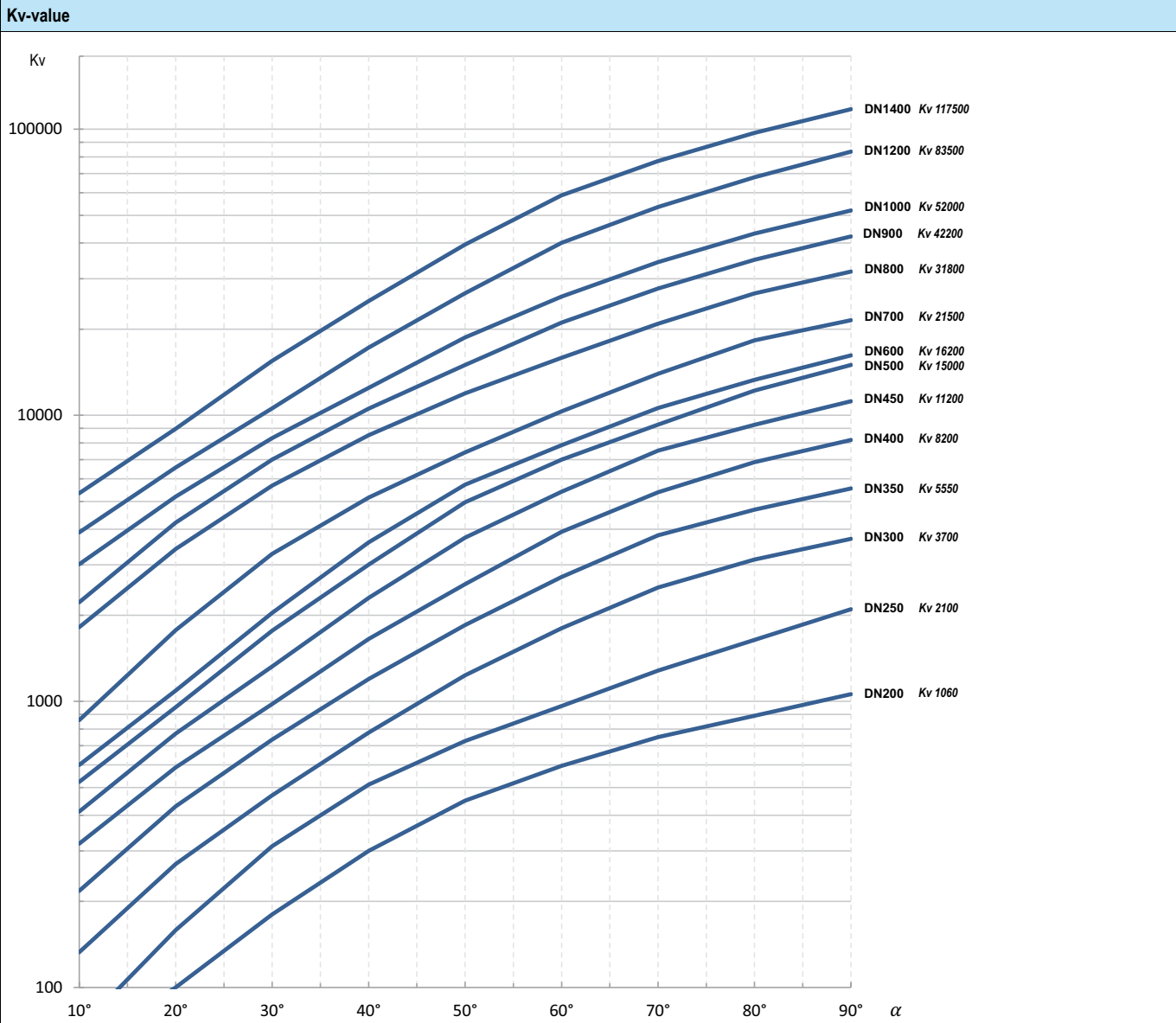
** Δ P max = 16 bar

actuator bigger than DN500 on request

Actuator flange connection



| DN | | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| Connection EN ISO 5211 | | F10 | F12 | | F14 | | F16 | | | F25 | F30 | | F35 | F40 | | |
| d2 | (mm) | 70 | 85 | | 100 | | 130 | | | 200 | 230 | | 260 | 300 | | |
| d3 | (mm) | 102 | 125 | | 140 | | 165 | | | 254 | 298 | | 356 | 406 | | |
| h | (mm) | 4 | | | 5 | | | 6 | | | | | | | | |
| n x d4 | (mm) | 4x11 | 4x14 | 4x14 | 4x18 | 4x18 | 4x22 | 4x22 | 4x22 | 8x18 | 8x22 | 8x22 | 8x22 | 8x32 | 8x38 | 8x38 |
| A | (mm) | 25 | 30 | 35 | 40 | 40 | 50 | 50 | 60 | 70 | 70 | 90 | 100 | 140 | 170 | 170 |
| B | (mm) | 58 | 63 | 69 | 75 | 75 | 86 | 86 | 103 | 119 | 119 | 125 | 130 | 160 | 165 | 165 |
| C | (mm) | 38 | 42 | 47 | 52 | 52 | 65 | 65 | 82 | 92 | 92 | 113 | 125 | 102 | 112 | 112 |
| D | (mm) | 27 | 31 | 31 | 34 | 34 | 37 | 37 | 43 | 46 | 46 | 46 | 41 | 41 | 66 | 66 |
| E | (mm) | 8 | 8 | 10 | 12 | 12 | 14 | 14 | 18 | 20 | 20 | 25 | 28 | 36 | 40 | 40 |
| F | (mm) | 28.3 | 33.3 | 38.3 | 43.3 | 43.3 | 53.3 | 53.3 | 64.4 | 74.9 | 74.9 | 95.4 | 105.4 | 148.4 | 179.4 | 179.5 |


WATER:

Volume flow:

$$Q = K_v \sqrt{\frac{\Delta p}{\rho}}$$

Kv = KV valve - Capacity factor

 ρ = density of liquid, kg/dm³

Flow velocity:

$$V = 354 \frac{Q}{DN^2}$$

DN = nominal valve size, mm

V = flow velocity, m/s

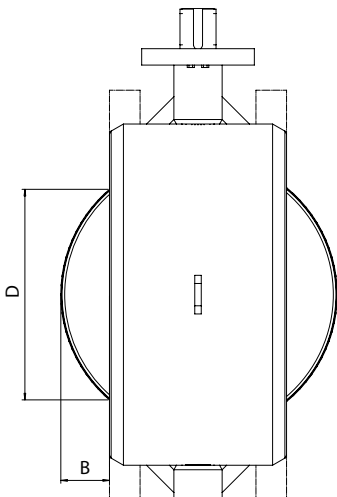
 α = disc opening angle

 Q = volume flow, m³/h

 Δp = pressure difference, bar

Difference between disc outside-diameter and face-to-face

| DN | | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 |
|----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| B | (mm) | - | - | - | 2 | 21 | 32 | 48 | 52 | 81 | 111 | 138 | 152 | 217 | 267 | 327 |
| D | (mm) | - | - | - | 38 | 161 | 213 | 273 | 299 | 404 | 504 | 595 | 655 | 854 | 1018 | 1204 |



myValve® - Your Valve Sizing-Program.

myValve® is a powerful software tool that not only helps you size your system components; it also gives you instant access to all other data about the selected product, such as order information, spare parts drawings, operating instructions, data sheets, etc., whenever you need it.



- Contents:** **Module ARI-high performance valve ZEDOX-calculation**
- Sizing of flow quantity Kv, volume flow Q, pressure drop p, sound level; Selecting the valve size with given capacity; Selection of the actuator.
 - Calculation of torque for actuators in flow from shaft side and flow from disc side.
- Media:** **Integrated media-data bank (more than 160 media) with conditions:**
- Vapours / gases
 - Steam (saturated and superheated)
 - Liquids
- Special features:**
- Project administration of the calculation and product data incl. spare part drawings concerning to project and tag number.
 - Direct output or calculation and product data in PDF format.
 - Product data could be taken for a direct order.
 - SI- and ANSI-units with direct conversion to another data bank.
 - Settings with over pressure or absolute pressure.
 - All ARI valves are integrated in a data bank.
 - Direct access concerning to the product on data sheets, operating instructions, pressure-temperature-diagram and spare part drawings
 - Operation in company networks possible (no complex installations on individually PC's necessary).
 - Extensive catalogue extending over several product groups.
- System Requirements:** Windows operating systems, Linux, etc.