

**Design acc. :**

**AD 2000 A4**

**ATEX 2014/34/EU**

**EN 14341**

**Face to face : DIN EN558-1.**

**Flange end : EN1092-1 Form B1.**

**Test acc. : EN12266.**

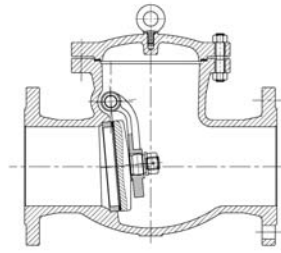
**TA-Luft Gasket**

**Temperature range :**

**-29°C~ +450°C (1.0619N)**

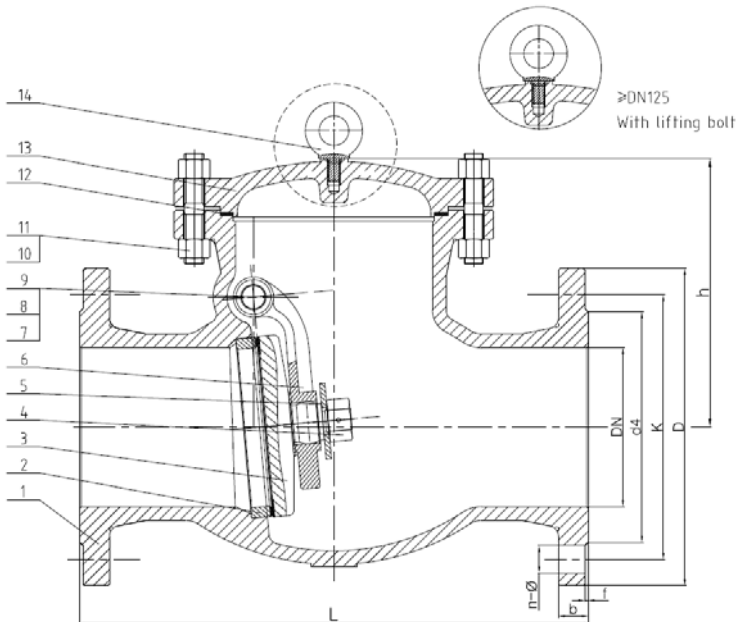
**-196°C~ +400°C (1.4408)**

**Body : 1.0619N /1.4408**



**FIG : 451**

**FIG : 451**



| FIG.    | Pressure | Material | Range      |
|---------|----------|----------|------------|
| 132.451 | PN10     | 1.0619N  | DN40-DN150 |
| 133.451 | PN16     | 1.0619N  | DN40-DN150 |
| 134.451 | PN25     | 1.0619N  | DN40-DN150 |
| 135.451 | PN40     | 1.0619N  | DN40-DN150 |
| 152.451 | PN10     | 1.4408   | DN40-DN150 |
| 153.451 | PN16     | 1.4408   | DN40-DN150 |
| 154.451 | PN25     | 1.4408   | DN40-DN150 |
| 155.451 | PN40     | 1.4408   | DN40-DN150 |

Design acc. :

AD 2000 A4/ ATEX 2014/34/EU/ EN 14341

Face to face : EN558-1.

Flange end : EN1092-1 Form B1.

Test acc. : EN12266.

TA-Luft Gasket

Temperature range :

-29°C~ +450°C(1.0619N)

-196°C~ +400°C(1.4408)

## Material list

| NO. | Part       | Material                                   |                                            |
|-----|------------|--------------------------------------------|--------------------------------------------|
|     |            | FIG. 152.451 / 153.451 / 154.451 / 155.451 | FIG. 132.451 / 133.451 / 134.451 / 135.451 |
| 1   | Body       | 1.4408                                     | 1.0619N                                    |
| 2   | Seat       | 1.4408                                     | C22.8+13Cr                                 |
| 3   | Flap       | 1.4408                                     | 1.0619N+13Cr                               |
| 4   | Nut        | A4                                         | 35                                         |
| 5   | Gasket     | 1.4401                                     | 35                                         |
| 6   | Flap lever | 1.4408                                     | 1.0619N                                    |
| 7   | Shaft      | 1.4401                                     | 1.4021                                     |
| 8   | Plug       | 1.4401                                     | 1.4021                                     |
| 9   | Gasket     | 1.4401                                     | 1.4401                                     |
| 10  | Stud bolt  | A4-70/A2-70                                | 1.7225(GC)                                 |
| 11  | Nut        | A4-70/A2-70                                | 1.1181(YK)                                 |
| 12  | Gasket     | TA-Luft Gasket                             | TA-Luft Gasket                             |
| 13  | Cover      | 1.4408                                     | 1.0619N                                    |
| 14  | Bolt       | A2                                         | 35                                         |

## Dimension List

| PN    | DN  | D   | K   | d4  | L   | h   | A   | n | d2 | b  | f | kg   |
|-------|-----|-----|-----|-----|-----|-----|-----|---|----|----|---|------|
| 10/16 | 40  | 150 | 110 | 88  | 180 | 135 | 130 | 4 | 18 | 18 | 3 | 11.0 |
|       | 50  | 165 | 125 | 102 | 200 | 160 | 145 | 4 | 18 | 18 | 3 | 16.8 |
|       | 65  | 185 | 145 | 122 | 240 | 165 | 180 | 4 | 18 | 18 | 3 | 23.1 |
|       | 80  | 200 | 160 | 138 | 260 | 180 | 195 | 8 | 18 | 20 | 3 | 26.3 |
|       | 100 | 220 | 180 | 158 | 300 | 210 | 225 | 8 | 18 | 20 | 3 | 38.9 |
|       | 125 | 250 | 210 | 188 | 350 | 240 | 265 | 8 | 18 | 22 | 3 | 59.9 |
|       | 150 | 285 | 240 | 212 | 400 | 265 | 310 | 8 | 22 | 22 | 3 | 87.2 |
| 25    | 65  | 185 | 145 | 122 | 290 | 175 | 185 | 8 | 18 | 22 | 3 | 23.8 |
|       | 80  | 200 | 160 | 138 | 310 | 190 | 205 | 8 | 18 | 24 | 3 | 27.1 |
|       | 100 | 235 | 190 | 162 | 350 | 220 | 240 | 8 | 22 | 24 | 3 | 40.1 |
|       | 125 | 270 | 220 | 188 | 400 | 240 | 265 | 8 | 26 | 26 | 3 | 61.7 |
|       | 150 | 300 | 250 | 218 | 480 | 260 | 300 | 8 | 26 | 28 | 3 | 89.8 |
| 40    | 40  | 150 | 110 | 88  | 200 | 140 | 145 | 4 | 18 | 18 | 3 | 13.1 |
|       | 50  | 165 | 125 | 102 | 230 | 160 | 165 | 4 | 18 | 20 | 3 | 17.9 |
|       | 65  | 185 | 145 | 122 | 290 | 175 | 185 | 8 | 18 | 22 | 3 | 25.2 |
|       | 80  | 200 | 160 | 138 | 310 | 190 | 205 | 8 | 18 | 24 | 3 | 33.6 |
|       | 100 | 235 | 190 | 162 | 350 | 220 | 240 | 8 | 22 | 24 | 3 | 49.4 |
|       | 125 | 270 | 220 | 188 | 400 | 240 | 265 | 8 | 26 | 26 | 3 | 65.1 |
|       | 150 | 300 | 250 | 218 | 480 | 260 | 300 | 8 | 26 | 28 | 3 | 99.2 |

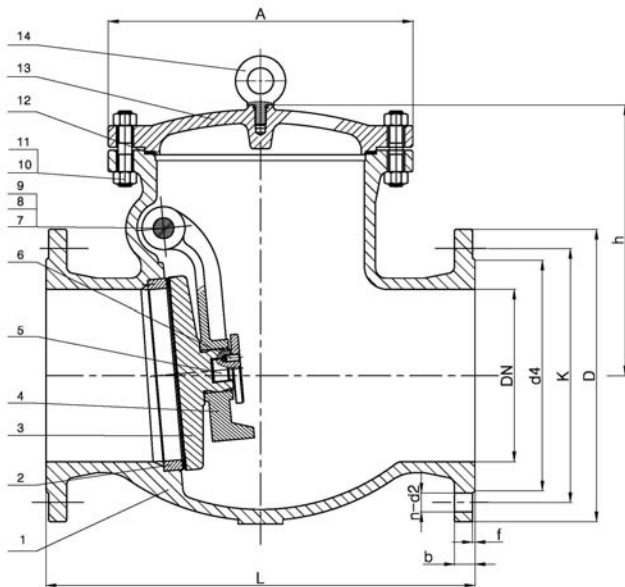
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| FIG.    | Pressure | Material | Range       |
|---------|----------|----------|-------------|
| 132.451 | PN10     | 1.0619N  | DN200-DN600 |
| 133.451 | PN16     | 1.0619N  | DN200-DN600 |
| 152.451 | PN10     | 1.4408   | DN200-DN600 |
| 153.451 | PN16     | 1.4408   | DN200-DN600 |

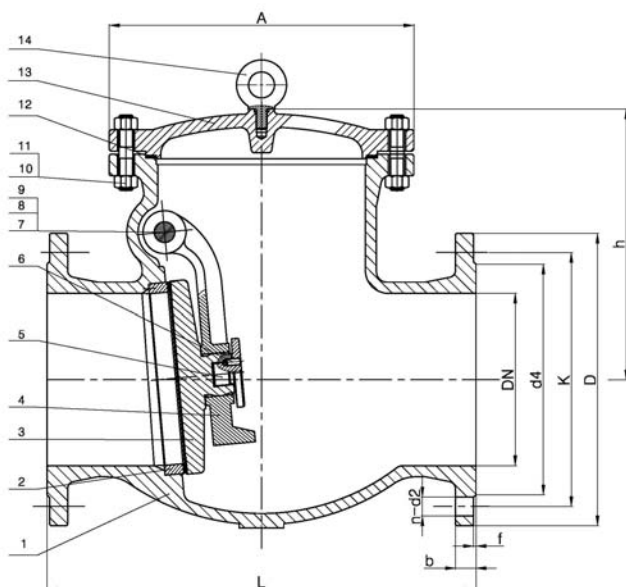
Design acc. :  
 AD 2000 A4 / ATEX 2014/34/EU / EN 14341  
 Face to face : EN558-1.  
 Flange end : EN1092-1 Form B1.  
 Test acc. : EN12266.  
 TA-Luft Gasket  
 Temperature range :  
 -29°C~ +450°C(1.0619N)  
 -196°C~ +400°C(1.4408)

## Material list

| NO. | Part       | Material               |                        |
|-----|------------|------------------------|------------------------|
|     |            | FIG. 152.451 / 153.451 | FIG. 132.451 / 133.451 |
| 1   | Body       | 1.4408                 | 1.0619N                |
| 2   | Seat       | 1.4408                 | C22.8+13Cr             |
| 3   | Flap       | 1.4408                 | 1.0619N+13Cr           |
| 4   | Flap lever | 1.4408                 | 1.0619N                |
| 5   | Disc nut   | 1.4401                 | 35                     |
| 6   | Set screw  | A4                     | 1.7225(GC)             |
| 7   | Shaft      | 1.4401                 | 1.4021                 |
| 8   | Plug       | 1.4401                 | 1.4021                 |
| 9   | Gasket     | 1.4401                 | 1.4401                 |
| 10  | Stud bolt  | A4-70/A2-70            | 1.7225(GC)             |
| 11  | Nut        | A4-70/A2-70            | 1.1181(YK)             |
| 12  | Gasket     | TA-Luft Gasket         | TA-Luft Gasket         |
| 13  | Cover      | 1.4408                 | 1.0619N                |
| 14  | Bolt       | A2                     | 35                     |

## Dimension List

| PN | DN  | D   | K   | d4  | L    | h   | A   | n  | d2 | b  | f | kg   |
|----|-----|-----|-----|-----|------|-----|-----|----|----|----|---|------|
| 10 | 200 | 340 | 295 | 268 | 500  | 320 | 380 | 8  | 22 | 24 | 3 | 164  |
|    | 250 | 395 | 350 | 320 | 600  | 335 | 425 | 12 | 22 | 26 | 3 | 211  |
|    | 300 | 445 | 400 | 370 | 700  | 390 | 470 | 12 | 22 | 26 | 4 | 322  |
|    | 350 | 505 | 460 | 430 | 800  | --  | --  | 16 | 22 | 26 | 4 | 483  |
|    | 400 | 565 | 515 | 482 | 900  | --  | --  | 16 | 26 | 26 | 4 | 725  |
|    | 500 | 670 | 620 | 585 | 1100 | --  | --  | 20 | 26 | 28 | 4 | 1160 |
|    | 600 | 780 | 725 | 685 | 1300 | --  | --  | 20 | 30 | 34 | 5 | 1856 |
| 16 | 200 | 340 | 295 | 268 | 500  | 320 | 380 | 12 | 22 | 24 | 3 | 165  |
|    | 250 | 405 | 355 | 320 | 600  | 335 | 425 | 12 | 26 | 26 | 3 | 214  |
|    | 300 | 460 | 410 | 378 | 700  | 390 | 470 | 12 | 26 | 32 | 4 | 327  |
|    | 350 | 520 | 470 | 438 | 800  | --  | --  | 16 | 26 | 30 | 4 | 491  |
|    | 400 | 580 | 525 | 490 | 900  | --  | --  | 16 | 30 | 32 | 4 | 737  |
|    | 500 | 715 | 650 | 610 | 1100 | --  | --  | 20 | 33 | 44 | 4 | 1180 |
|    | 600 | 840 | 770 | 725 | 1300 | --  | --  | 20 | 36 | 54 | 5 | 1888 |



| FIG.    | Pressure | Material | Range       |
|---------|----------|----------|-------------|
| 134.451 | PN25     | 1.0619N  | DN200-DN600 |
| 135.451 | PN40     | 1.0619N  | DN200-DN600 |
| 154.451 | PN25     | 1.4408   | DN200-DN600 |
| 155.451 | PN40     | 1.4408   | DN200-DN600 |

Design acc. :  
 AD 2000 A4  
 ATEX 2014/34/EU  
 EN 14341  
 Face to face : EN 558-1.  
 Flange end : EN1092-1 Form B1.  
 Test acc. : EN12266.  
 TA-Luft Gasket  
 Temperature range :  
 -29°C~ +450°C(1.0619N)  
 -196°C~ +400°C(1.4408)

### Material list

| NO. | Part       | Material               |                        |
|-----|------------|------------------------|------------------------|
|     |            | FIG. 154.451 / 155.451 | FIG. 134.451 / 135.451 |
| 1   | Body       | 1.4408                 | 1.0619N                |
| 2   | Seat       | 1.4408                 | C22.8+13Cr             |
| 3   | Flap       | 1.4408                 | 1.0619N+13Cr           |
| 4   | Flap lever | 1.4408                 | 1.0619N                |
| 5   | Disc nut   | 1.4401                 | 35                     |
| 6   | Set screw  | A4                     | 1.7225(GC)             |
| 7   | Shaft      | 1.4401                 | 1.4021                 |
| 8   | Plug       | 1.4401                 | 1.4021                 |
| 9   | Gasket     | 1.4401                 | 1.4401                 |
| 10  | Stud bolt  | A4-70/A2-70            | 1.7225(GC)             |
| 11  | Nut        | A4-70/A2-70            | 1.1181(YK)             |
| 12  | Gasket     | TA-Luft Gasket         | TA-Luft Gasket         |
| 13  | Cover      | 1.4408                 | 1.0619N                |
| 14  | Bolt       | A2                     | 35                     |

### Dimension List

| PN | DN  | D   | K   | d4  | L    | h   | A   | n  | d2 | b  | f | kg   |
|----|-----|-----|-----|-----|------|-----|-----|----|----|----|---|------|
| 25 | 200 | 360 | 310 | 278 | 600  | 350 | 380 | 12 | 26 | 30 | 3 | 179  |
|    | 250 | 425 | 370 | 335 | 730  | 370 | 410 | 12 | 30 | 32 | 3 | 227  |
|    | 300 | 485 | 430 | 395 | 850  | 440 | 480 | 16 | 30 | 34 | 4 | 344  |
|    | 350 | 555 | 490 | 450 | 980  | --  | --  | 16 | 33 | 38 | 4 | 516  |
|    | 400 | 620 | 550 | 505 | 1100 | --  | --  | 16 | 36 | 40 | 4 | 774  |
|    | 500 | 730 | 660 | 615 | 1250 | --  | --  | 20 | 36 | 48 | 4 | 1239 |
|    | 600 | 845 | 770 | 720 | 1450 | --  | --  | 20 | 39 | 58 | 5 | 1982 |
| 40 | 200 | 375 | 320 | 285 | 600  | 350 | 380 | 12 | 30 | 34 | 3 | 193  |
|    | 250 | 450 | 385 | 345 | 730  | 370 | 410 | 12 | 33 | 38 | 3 | 278  |
|    | 300 | 515 | 450 | 410 | 850  | 440 | 480 | 16 | 33 | 42 | 4 | 438  |
|    | 350 | 580 | 510 | 465 | 980  | --  | --  | 16 | 36 | 46 | 4 | 657  |
|    | 400 | 660 | 585 | 535 | 1100 | --  | --  | 16 | 39 | 50 | 4 | 986  |
|    | 500 | 755 | 670 | 615 | 1250 | --  | --  | 20 | 42 | 57 | 4 | 1479 |
|    | 600 | 890 | 795 | 735 | 1450 | --  | --  | 20 | 48 | 72 | 5 | 2367 |