

# PTFE LINET BUTTERFLYVENTIL - WAFER

## TYPE DVC4930



armatec

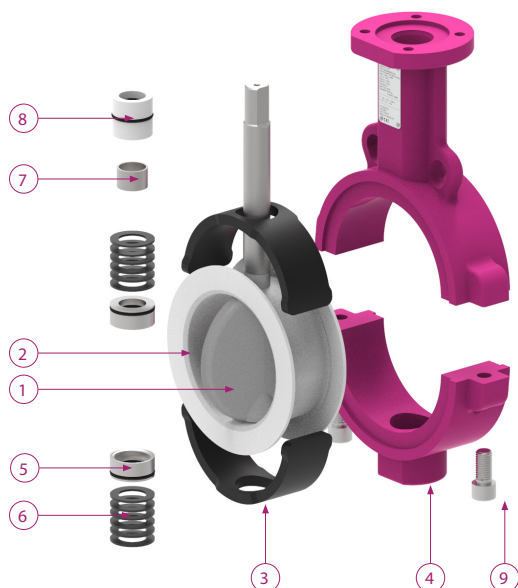


### GENERELT

DIMENSION/TRYK: DN40 - DN300 = PN10  
VAKUUM SERVICE: -0,1BAR  
OVERFLADE: EPOXY COATING C2M, 120µm  
INDBYGNINGSMÅL: EN558-1 SERIES 20  
BETJENING: FRI SPINDEL  
MODFLANGER: DN40-DN300, PN10/16/ANSI 150  
GODKENDELSE: EN12266-1/P12 LEAKAGE RATE A, CE 97/23/EG, TA LUFT

### OPTIONER

BETJENING: HÅNDTAG, GEAR, AKTUATOR (PNEUMATISK/ELEKTRISK)  
DIMENSIONER: DN350 - DN1200 PÅ FORESPØRGSEL  
TRYK: PN16, PN6, PN3  
MODFLANGER: PN16, ANSI150, JIS 10K  
MATERIALE HUS: RUSTFRIT STÅL, POLERET, DUROPLAST, KULSTOFSTÅL  
MATERIALE KLAP: PFA, POLERET RUSTFRI, TITANIUM, HASTELLOY C  
MATERIALE LINER: UHMPE, ATEX PTFE  
MATERIALE BACKUP RING: FPM, EPDM  
DESIGN: LUG  
GODKENDELSE: ATEX

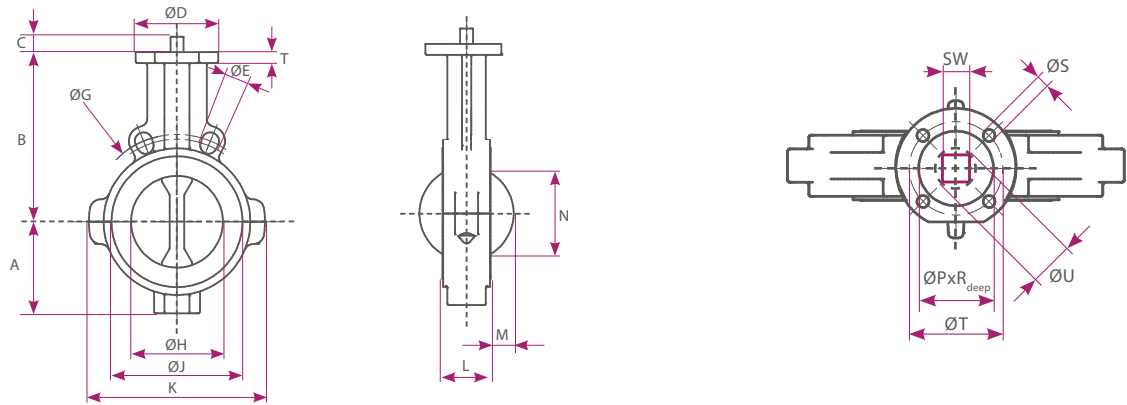


| POS | BESKRIVELSE         | MATERIAL              |
|-----|---------------------|-----------------------|
| 1   | KLAP (DN40-250)     | DUPLEX 1.4469         |
| 1   | KLAP (DN300-600)    | RUSTFRIT STÅL 1.4404  |
| 1   | SPINDEL (DN40-250)  | DUPLEX 1.4469         |
| 1   | SPINDEL (DN300-600) | DUPLEX 1.4462         |
| 2   | LINER               | PTFE (FOOD)           |
| 3   | BACKUP RING         | SILIKONE              |
| 4   | HUS                 | SEJJERN 5.3103        |
| 5   | PAKNING             | 1.4301 MED FPM O-RING |
| 6   | FJEDER              | KULFIBER              |
| 7   | SPINDEL BØSNING     | PTFE RUSTFRIT STÅL    |
| 8   | TOP BØSNING         | POM MED FPM O-RING    |
| 9   | BOLT                | RUSTFRIT STÅL 12.9 A4 |

### BESKRIVELSE

- Industriel butterflyventil i høj kvalitet**, EN 10204 3.1 certifikat, CE/PED. Option: ATEX (zone 0, 1, 2 og 20, 21, 22)
- PTFE liner på fleksibel silikone backup ring**, sikrer perfekt tætning ved fuldt differenstryk.
- Mulighed for forskellige materialer**, så ventilen kan tilpasses den givne proces.
- Klap og spindel i en samlet konstruktion** sikrer perfekt drejning uden slør.
- ISO 5211 top flange og 45° firkantspindel** gør det muligt at montere aktuator direkte på ventilen uden brug af beslag og kobling.
- Glideleje og fjederskivepakke** reducerer friktionen, forlænger levetiden og sikrer en TA-Luft godkendt spindelpakning.
- Selvcentrerende konstruktion under montage** der dækker flere flangestandarder.
- 2-delt ventilhus** gør det muligt at udskifte lineren.

DIMENSIONER

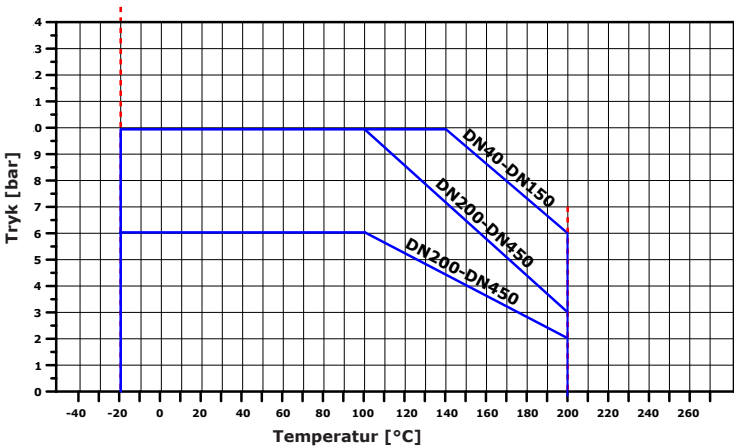


| DIM   | BUTTERFLYVENTIL |        |        |         |        |         |         |         |         |        |        |        |        |         |         |     |                       |
|-------|-----------------|--------|--------|---------|--------|---------|---------|---------|---------|--------|--------|--------|--------|---------|---------|-----|-----------------------|
| [MM]  | A [MM]          | B [MM] | C [MM] | ØD [MM] | T [MM] | ØE [MM] | ØG [MM] | ØH [MM] | ØJ [MM] | K [MM] | L [MM] | M [MM] | N [MM] | SW [MM] | ØS [MM] | ISO | VÆGT [KG] FRI SPINDEL |
| DN40  | 53              | 94     | 17     | 65      | 10     | 4x18    | 110     | 46,4    | 76      | 138    | 33     | 7      | 34     | 9       | 4x7     | F05 | 1,8                   |
| DN50  | 60              | 130    | 17     | 90      | 12     | 4x18    | 125     | 50,0    | 85      | 124    | 43     | 6      | 31     | 11      | 4x9     | F07 | 3,0                   |
| DN65  | 70              | 146    | 17     | 90      | 12     | 4x18    | 145     | 62,0    | 106     | 148    | 46     | 11     | 47     | 11      | 4x9     | F07 | 4,1                   |
| DN80  | 84              | 165    | 17     | 90      | 12     | 8x18    | 160     | 75,0    | 122     | 165    | 46     | 17     | 63     | 11      | 4x9     | F07 | 4,8                   |
| DN100 | 100             | 185    | 17     | 90      | 12     | 8x18    | 180     | 100,0   | 143     | 192    | 52     | 27     | 90     | 14      | 4x9     | F07 | 6,1                   |
| DN125 | 110             | 202    | 17     | 90      | 12     | 8x18    | 210     | 125,0   | 166     | 223    | 56     | 38     | 118    | 14      | 4x9     | F07 | 8,3                   |
| DN150 | 130             | 217    | 22     | 90      | 12     | 8x22    | 240     | 141,0   | 193     | 253    | 56     | 47     | 137    | 17      | 4x9     | F07 | 10,7                  |
| DN200 | 158             | 245    | 26     | 125     | 16     | 8x22    | 295     | 195,0   | 251     | 312    | 60     | 71     | 190    | 19      | 4x11    | F10 | 17,8                  |
| DN250 | 194             | 270    | 30     | 125     | 16     | 12x22   | 350     | 244,0   | 301     | 374    | 68     | 92     | 240    | 22      | 4x11    | F10 | 28,0                  |
| DN300 | 225             | 308    | 30     | 125     | 16     | 12x22   | 400     | 295,0   | 349     | 424    | 78     | 112    | 290    | 22      | 4x11    | F10 | 48,0                  |
| DN350 | 255             | 330    | 28     | 150     | 16     | 16x22   | 460     | 335,6   | 414     | 586    | 92     | 125    | 328    | 27      | 4x13    | F12 | 59,0                  |
| DN400 | 290             | 365    | 28     | 150     | 18     | 16x26   | 515     | 389,9   | 460     | 650    | 102    | 146    | 378    | 27      | 4x13    | F12 | 90,0                  |
| DN450 | 314             | 400    | 37     | 175     | 20     | 20x26   | 565     | 437,9   | 515     | 700    | 114    | 164    | 424    | 36      | 4x17    | F14 | 110,0                 |
| DN500 | 342             | 435    | 37     | 175     | 20     | 20x26   | 620     | 491,4   | 570     | 745    | 127    | 184    | 477    | 36      | 4x17    | F14 | 141,0                 |
| DN600 | 401             | 510    | 47     | 210     | 20     | 20x30   | 725     | 579,9   | 672     | 870    | 154    | 215    | 561    | 46      | 4x21    | F16 | 231,0                 |

| DIM   | MAX MOMENT [NM] | KV-VÆRDI (M3/H VED 1 BAR ΔP) 90° | MAST [NM] |
|-------|-----------------|----------------------------------|-----------|
| DN40  | 25,7            | 102                              | 48        |
| DN50  | 30,4            | 124                              | 89        |
| DN65  | 42,1            | 211                              | 89        |
| DN80  | 53,8            | 318                              | 89        |
| DN100 | 70,2            | 660                              | 183       |
| DN125 | 93,6            | 985                              | 183       |
| DN150 | 128,7           | 1244                             | 327       |
| DN200 | 195,4           | 2523                             | 456       |
| DN250 | 325,3           | 3514                             | 664       |
| DN300 | 389,6           | 5315                             | 664       |
| DN350 | 526,5           | 8134                             | 1227      |
| DN400 | 585,0           | 11571                            | 1227      |
| DN450 | 702,0           | 15519                            | 2909      |
| DN500 | 760,5           | 19308                            | 2909      |
| DN600 | 1041,3          | 24807                            | 6069      |

| FLOW [M3/H] |             |        |        |        |         |         |         |         |
|-------------|-------------|--------|--------|--------|---------|---------|---------|---------|
| DIM         | ÅBNINGSGRAD |        |        |        |         |         |         |         |
|             | 20°         | 30°    | 40°    | 50°    | 60°     | 70°     | 80°     | 90°     |
| DN40        | 1,4         | 5,1    | 11,0   | 22,0   | 38,0    | 56,0    | 75,0    | 102,0   |
| DN50        | 2,1         | 6,7    | 14,0   | 28,0   | 46,0    | 69,0    | 92,0    | 124,0   |
| DN65        | 4,4         | 14,0   | 27,0   | 49,0   | 80,0    | 118,0   | 158,0   | 211,0   |
| DN80        | 8,1         | 22,0   | 41,0   | 75,0   | 123,0   | 179,0   | 240,0   | 318,0   |
| DN100       | 17,0        | 48,0   | 91,0   | 160,0  | 259,0   | 375,0   | 502,0   | 660,0   |
| DN125       | 28,0        | 74,0   | 145,0  | 244,0  | 39,0    | 563,0   | 754,0   | 985,0   |
| DN150       | 39,0        | 97,0   | 194,0  | 316,0  | 503,0   | 717,0   | 958,0   | 1244,0  |
| DN200       | 85,0        | 202,0  | 415,0  | 658,0  | 1036,0  | 1463,0  | 1956,0  | 2523,0  |
| DN250       | 119,0       | 274,0  | 527,0  | 949,0  | 1484,0  | 2038,0  | 2727,0  | 3514,0  |
| DN300       | 181,0       | 404,0  | 771,0  | 1329,0 | 2179,0  | 3083,0  | 4124,0  | 5315,0  |
| DN350       | 277,0       | 602,0  | 1139,0 | 2034,0 | 3335,0  | 4718,0  | 6312,0  | 8134,0  |
| DN400       | 393,0       | 856,0  | 1650,0 | 2893,0 | 4628,0  | 6711,0  | 8979,0  | 11571,0 |
| DN450       | 528,0       | 1148,0 | 2173,0 | 3414,0 | 5742,0  | 8535,0  | 12043,0 | 15519,0 |
| DN500       | 647,0       | 1434,0 | 2418,0 | 3980,0 | 6490,0  | 10268,0 | 14983,0 | 19308,0 |
| DN600       | 843,0       | 1861,0 | 3473,0 | 5706,0 | 9427,00 | 14140,0 | 19349,0 | 24807,0 |

TRYK/TEMPERATUR



INSTALLATION

**Generelt**  
Det er ikke tilladt at montere butterflyventilen mellem flanger der ikke er parallelle og olinet korrekt. Desuden er det ikke tilladt at have ventilen monteret mellem flanger når disse svejses. Dette vil ødelægge ventilens liner og pakninger.

**Anbefalede tilspændingsmomenter for flangebolte**  
PTFE materialet kan deformeres og ødelægges ved for stor tilspænding. Det er derfor vigtigt at nedenstående momenter ikke overskrides. Tilspændingen skal forgå jævnt og diagonalt:

|       |      |       |       |
|-------|------|-------|-------|
| DN40  | 25Nm | DN250 | 95Nm  |
| DN50  | 35Nm | DN300 | 105Nm |
| DN65  | 40Nm | DN350 | 145Nm |
| DN80  | 45Nm | DN400 | 165Nm |
| DN100 | 50Nm | DN450 | 185Nm |
| DN125 | 60Nm | DN500 | 215Nm |
| DN150 | 70Nm | DN600 | 230Nm |
| DN200 | 85Nm |       |       |