

## Description

Centric butterfly valve with elastomer liner for liquids and gases in the industrial range, general services, water treatment, ...

## Product features

- Body construction D1 Wafer DN 25-1000  
D3 Lug DN 25-600  
D4 U-section DN 150-1600
- Face to face dimension according to ISO 5752/20, EN 558-1/20
- Design according to ISO 593 / API 609 category A (under request)
- Top flange according to EN ISO 5211
- Max. working pressure 16 bar
- Rating PN6, PN10, PN16, ANSI cl. 150
- Temperature range -20°C ÷ 140°C according to material
- Tightness test according to EN 12266-1/P12 leakage rate A, test fluid water according to API 598 (under request)

CE

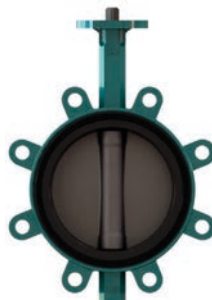
The butterfly valves DESPONIA meet the safety requirements of the pressure Equipments Directive 2014/68/UE (PED) appendix 1 for fluids of the groups 1 and 2.

SIL

Butterfly valves DESPONIA are suitable to be operated in safety related systems according to IEC 61508 / 61511, Safety Integrity Level SIL 2



D1  
Wafer



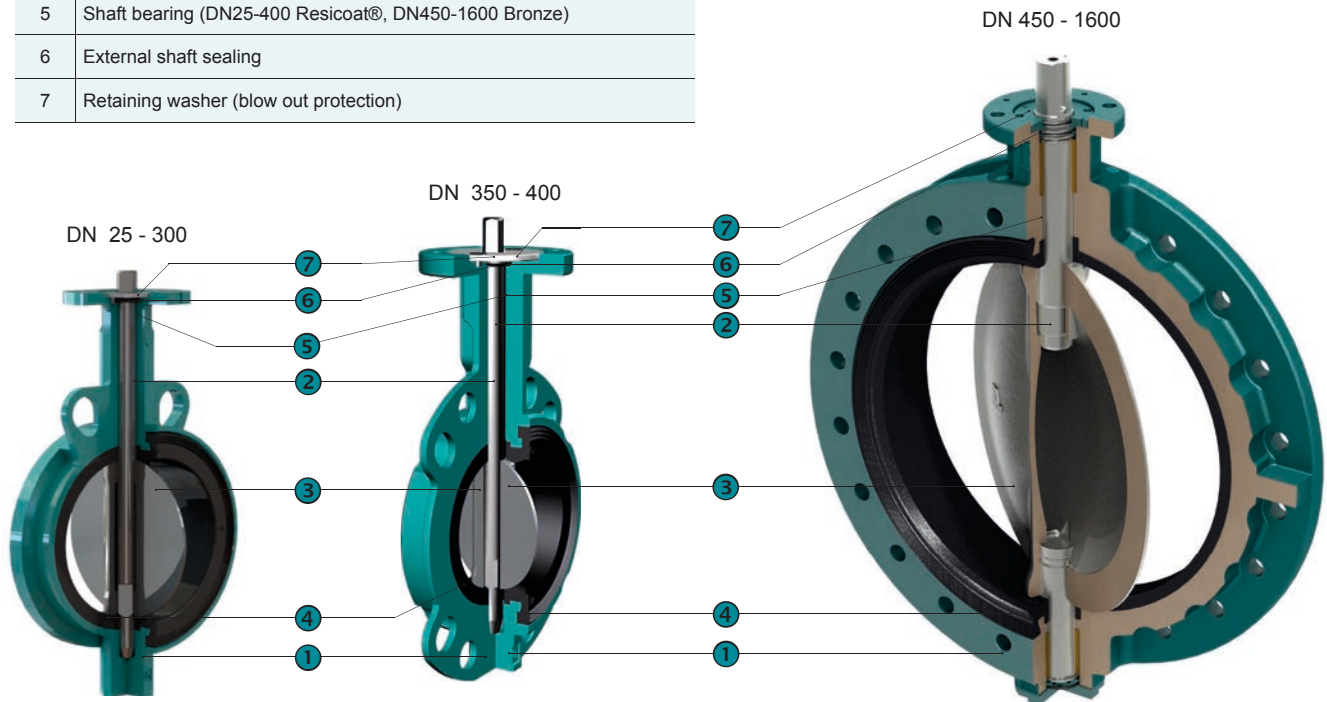
D3  
Lug



D4  
U-section

## Construction

|   |  |
|---|--|
| 1 | Body (extended valve neck allowing insulation)                 |
| 2 | Blow out proof shaft with position indication                  |
| 3 | Disc   |
| 4 | Exchangeable liner with sealing grooves on the tightening face |
| 5 | Shaft bearing (DN25-400 Resicoat®, DN450-1600 Bronze)          |
| 6 | External shaft sealing   |
| 7 | Retaining washer (blow out protection)                         |



## Kv values m³/h

opening angle of the valve

| DN    | 20°  | 30°   | 40°   | 50°   | 60°   | 70°    | 80°    | 90°    |
|-------|------|-------|-------|-------|-------|--------|--------|--------|
| 25/32 |      | 1,5   | 5     | 10    | 15    | 26     | 34     | 40     |
| 40    |      | 2,7   | 8,5   | 16    | 25    | 37     | 46     | 50     |
| 50    | 2    | 7     | 15    | 28    | 45    | 68     | 88     | 100    |
| 65    | 3    | 11    | 24    | 48    | 85    | 138    | 180    | 210    |
| 80    | 8    | 22    | 50    | 83    | 134   | 230    | 312    | 360    |
| 100   | 15   | 35    | 70    | 130   | 225   | 410    | 585    | 650    |
| 125   | 28   | 70    | 135   | 230   | 360   | 600    | 920    | 1050   |
| 150   | 33   | 95    | 205   | 320   | 580   | 980    | 1410   | 1620   |
| 200   | 60   | 175   | 355   | 580   | 910   | 1600   | 2450   | 2800   |
| 250   | 132  | 340   | 590   | 940   | 1480  | 2550   | 3950   | 4480   |
| 300   | 200  | 505   | 890   | 1450  | 2100  | 3800   | 5960   | 6800   |
| 350   | 280  | 680   | 1200  | 2050  | 3150  | 5050   | 8100   | 9200   |
| 400   | 365  | 860   | 1500  | 2490  | 3980  | 6600   | 10200  | 11700  |
| 450   | 465  | 1080  | 1900  | 3150  | 5050  | 8700   | 13300  | 15200  |
| 500   | 580  | 1200  | 2300  | 3740  | 6150  | 11000  | 16800  | 18900  |
| 600   | 820  | 1600  | 2780  | 5200  | 8940  | 14500  | 23500  | 26800  |
| 700   | 890  | 2050  | 3450  | 6050  | 11050 | 18800  | 31500  | 37100  |
| 800   | 1300 | 2550  | 4950  | 8750  | 14200 | 23500  | 39500  | 48500  |
| 900   | 1650 | 3300  | 6400  | 11800 | 19400 | 31500  | 52500  | 61300  |
| 1000  | 2150 | 4250  | 8200  | 15100 | 23500 | 39400  | 65500  | 80500  |
| 1200  | 4000 | 7500  | 12500 | 19800 | 34000 | 55400  | 98300  | 119200 |
| 1400  | 5200 | 10120 | 18200 | 32500 | 51500 | 89500  | 142000 | 162000 |
| 1600  | 7100 | 14210 | 26050 | 45000 | 71200 | 118500 | 196200 | 228500 |

## Type code

|    |      |   |   |   |   |     |   |    |   |     |   |   |
|----|------|---|---|---|---|-----|---|----|---|-----|---|---|
| D1 | 0100 | . | 3 | 3 | - | 2KR | . | 41 | . | 2AR | . | E |
| ①  | ②    | ③ | ④ | ⑤ | ⑥ | ⑦   | ⑧ |    |   |     |   |   |




| ① | Type             | D1  | Wafer  | DN25-1000          |  |
|---|------------------|---|--|--------------------|--|
|   |                  | D3  | Lug body   | DN25-600           |  |
|   |                  | D4  | U-section body   | DN150-1600         |  |
| ② | Nominal diameter | 0025-1600                                   | mm   |                    |  |
|   |                  | 0   | 2,5 bar  | DN100-1600         |  |
|   |                  | 1   | 6 bar  | DN350-1600         |  |
|   |                  | *   | 10/16/20 bar, see table below  |                    |  |
| ④ | Rating           | **  | PN6/10/16 see table below. Other ratings on request  |                    |  |
|   |                  | 1AE   | Cast iron EN-GJL-250, Polyurethan coated 80µ < 140°C   | DN450-1600         |  |
|   |                  | 2KR   | Ductile iron EN-GJS-400-15, Epoxy (Resicoat®) coated 200µ Wafer and Lug < 110°C <sup>1)</sup>    | DN25-300           |  |
|   |                  | 2AR   | Ductile iron EN-GJS-400-15, Epoxy (Resicoat®) coated 200µ U-shape < 110°C <sup>1)</sup>          | DN150-300          |  |
|   |                  | 2AE   | Ductile iron EN-GJS-400-15, Polyurethan coated 80µ < 140°C                                       | DN450-1600         |  |
|   |                  | 2AN   | Ductile iron EN-GJS-400-15, Polyurethan coated 250µ < 140°C                                      | DN450-1600         |  |
|   |                  | 41  | Stainless steel 1.4021, AISI420  | DN25-300           |  |
|   |                  | 42  | Stainless steel 1.4542 / 17-4PH  | DN25-300           |  |
|   |                  | 4A  | Stainless steel 1.4021, AISI420  | DN350-1600         |  |
|   |                  | 4L  | Stainless steel 1.4542 / 17-4PH  | DN350-1600         |  |
|   |                  | 2AR   | Ductile iron EN-GJS-400-15, Rilsan coated 250µ < 90°C  | DN25-700           |  |
|   |                  | 2AE   | Ductile iron EN-GJS-400-15, Polyurethan coated 80µ < 120°C                                       | DN800-1600         |  |
|   |                  | 2AC   | Ductile iron EN-GJS-400-15, Chrome coated  | DN25-600           |  |
|   |                  | 2AH   | Ductile iron EN-GJS-400-15, Halar coated min.600µ < 70°C   |                    |  |
|   |                  | 3OD   | Carbon steel 1.0552 / GS52.3, Ultralene Coating™ coated < 80°C, pmax. 10 ≤ DN300 / 6 bar > DN800 | DN80-300, 800-1400 |  |
|   |                  | 4C0   | Stainless steel 1.4408 ≈ CF8M  |                    |  |
|   |                  | 4CP   | Stainless steel 1.4408 ≈ CF8M polished   | DN25-600           |  |
|   |                  | 4CQ   | Stainless steel 1.4408, PEKK coated min. 400µ < 200°C  |                    |  |
|   |                  | 4S0   | Super austenitic steel 1.4588  |                    |  |
|   |                  | 5C0   | Alubronze ASTM B148 C95800 / G-Cu Al 10 Ni   |                    |  |
|   |                  | 7H0   | Hastelloy ASTM A494 CW-12MW  | ≥ DN450 on request |  |
|   |                  | E   | EPDM < 95°C pmax DN25-1200 = 16 bar, DN1400-1600 = 10 bar  |                    |  |
|   |                  | EE  | EPDM DVGW, ACS, WRAS, NSF-61, EN681-1 < 95°C pmax DN25-1200 = 16 bar, DN1400-1600 = 10 bar       |                    |  |
|   |                  | EC  | EPDM HT < 130°C pmax DN25-1200 = 16 bar, DN1400-1600 = 10 bar                                    |                    |  |
|   |                  | N   | Nitril (NBR) < 100°C pmax DN25-300 = 16 bar, DN350-1600 = 10 bar                                 |                    |  |
|   |                  | H   | CSM (Hypalon) < 110°C pmax DN25-300 = 16 bar, DN350-1600 = 10 bar                                |                    |  |
|   |                  | V   | FPM (Viton) < 200°C pmax DN25-300 = 16 bar, DN350-1600 = 10 bar                                  |                    |  |
|   |                  | Other materials and white liners on request |  |                    |  |

1) For temperatures between 110 and 140 °C, the valve is only tight up to next lower pressure class (e.g. PN16 valve, max. 10 bar)

### \* Working pressure (Code)

| Body material         | DN→    | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 |   |
|-----------------------|--------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|---|
| EN-GJL-250 (1A)       | 6 bar  |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      | 1 |
|                       | 10 bar |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
| EN-GJS-400-15 (2A/2K) | 10 bar |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
|                       | 16 bar |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |

### \*\*Rating (Code)

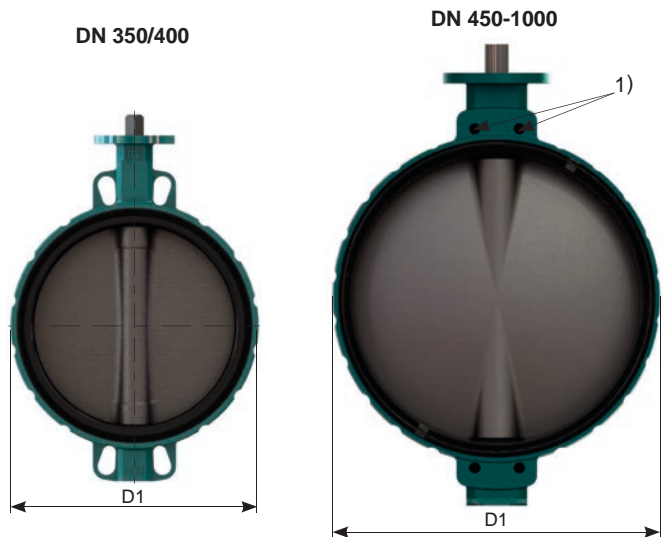
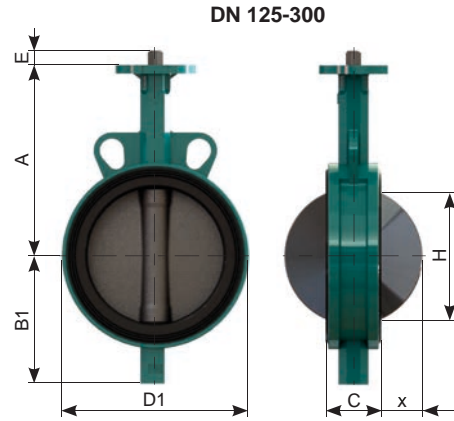
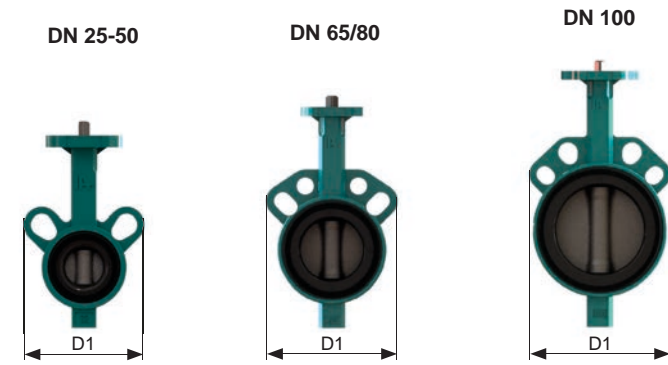
| DESPONIA   | DN→          | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 |  |
|--|--------------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|--|
|  D1 | PN6          |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |  |
|  | PN10         |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |  |
|  | PN16         |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |  |
|  | ANSI cl. 150 |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |  |
|  D3 | PN10         |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |  |
|  | PN16         |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |  |
|  | ANSI cl. 150 |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |  |
|  D4 | PN10         |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |  |
|  | PN16         |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |  |
|  | ANSI cl. 150 |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |  |

Max. pressure and temperature limits of application are dependent of the working conditions.

Other executions on request !

Dimensions

D1 Wafer, DN25-1000

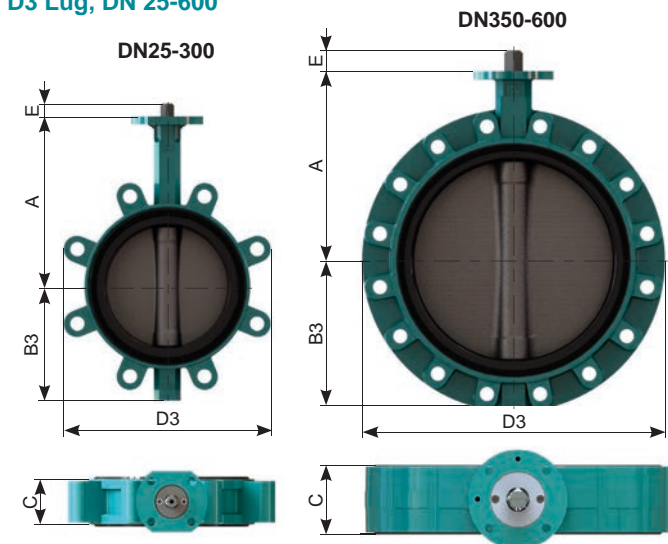


1) DN 450 - 1600, 2 x threads on valve neck and bottom

| DN     | A   | B1  | C   | D1   | E   | H*  | x*  | [kg] |
|--------|-----|-----|-----|------|-----|-----|-----|------|
| (25)32 | 110 | 51  | 30  | 101  | 12  | 19  | 3   | 1,0  |
| 40     | 130 | 55  | 33  | 108  | 12  | 28  | 6   | 1,3  |
| 50     | 135 | 72  | 43  | 120  | 12  | 32  | 6   | 1,8  |
| 65     | 150 | 82  | 46  | 138  | 12  | 50  | 11  | 2,3  |
| 80     | 160 | 92  | 46  | 142  | 12  | 69  | 19  | 2,3  |
| 100    | 180 | 110 | 52  | 162  | 12  | 88  | 26  | 3,9  |
| 125    | 195 | 128 | 56  | 181  | 16  | 115 | 36  | 5,0  |
| 150    | 210 | 141 | 56  | 205  | 16  | 141 | 48  | 5,9  |
| 200    | 240 | 174 | 60  | 260  | 19  | 194 | 72  | 9,3  |
| 250    | 279 | 201 | 68  | 310  | 24  | 240 | 91  | 17,0 |
| 300    | 315 | 234 | 78  | 362  | 24  | 290 | 112 | 23,7 |
| 350    | 330 | 268 | 80  | 425  | 40  | 330 | 130 | 41,5 |
| 400    | 365 | 299 | 102 | 475  | 40  | 377 | 145 | 57,2 |
| 450    | 397 | 355 | 113 | 538  | 65  | 425 | 164 | 95   |
| 500    | 437 | 393 | 126 | 595  | 65  | 474 | 182 | 125  |
| 600    | 522 | 464 | 153 | 695  | 80  | 569 | 218 | 180  |
| 700    | 565 | 503 | 168 | 800  | 80  | 660 | 257 | 280  |
| 800    | 627 | 577 | 190 | 908  | 80  | 774 | 304 | 387  |
| 900    | 696 | 643 | 204 | 1015 | 100 | 855 | 337 | 502  |
| 1000   | 745 | 693 | 218 | 1133 | 100 | 960 | 383 | 710  |

\* When using plastic stubs please check dimension H / x to avoid damaging of disc

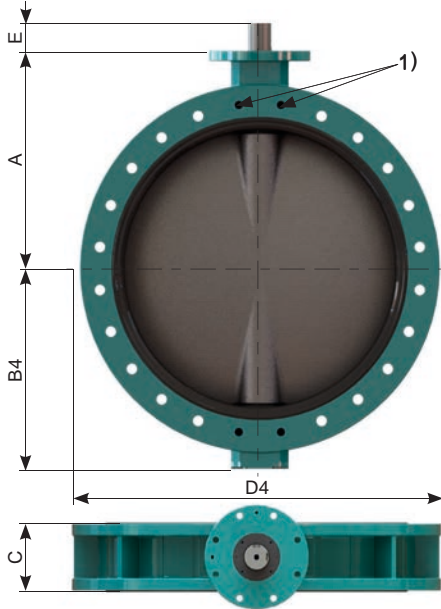
D3 Lug, DN 25-600



| DN  | A   | B3  | C   | D3  | E  | H*  | x*  | [kg] |
|-----|-----|-----|-----|-----|----|-----|-----|------|
| 25  | 110 | 51  | 30  | 101 | 12 | 19  | 3   | 1,5  |
| 32  | 110 | 51  | 30  | 101 | 12 | 19  | 3   | 1,5  |
| 40  | 130 | 54  | 33  | 108 | 12 | 28  | 6   | 1,9  |
| 50  | 135 | 72  | 43  | 116 | 12 | 32  | 6   | 2,4  |
| 65  | 150 | 82  | 46  | 131 | 12 | 50  | 11  | 4,8  |
| 80  | 160 | 88  | 46  | 188 | 12 | 69  | 19  | 4    |
| 100 | 180 | 102 | 52  | 219 | 12 | 88  | 26  | 6,2  |
| 125 | 195 | 116 | 56  | 248 | 16 | 115 | 36  | 7,7  |
| 150 | 210 | 128 | 56  | 274 | 16 | 141 | 48  | 8,4  |
| 200 | 240 | 161 | 60  | 332 | 19 | 194 | 72  | 16,6 |
| 250 | 279 | 199 | 68  | 402 | 24 | 240 | 91  | 23,5 |
| 300 | 315 | 234 | 78  | 472 | 24 | 290 | 112 | 32,4 |
| 350 | 330 | 258 | 80  | 520 | 40 | 330 | 130 | 55   |
| 400 | 365 | 290 | 102 | 584 | 40 | 377 | 145 | 75   |
| 450 | 397 | 355 | 113 | 655 | 65 | 425 | 164 | 150  |
| 500 | 437 | 393 | 126 | 712 | 65 | 474 | 182 | 170  |
| 600 | 522 | 464 | 153 | 829 | 80 | 569 | 218 | 240  |

## Dimensions

### D4 U-section, DN 150-1600

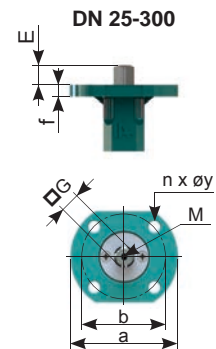


| DN   | A    | B4   | C   | D4   | H*   | x*  | J    | E   | [kg] |
|------|------|------|-----|------|------|-----|------|-----|------|
| 150  | 210  | 143  | 56  | 285  | 141  | 48  | 10   | 16  | 15   |
| 200  | 240  | 170  | 60  | 340  | 194  | 72  | 12,5 | 19  | 19,5 |
| 250  | 279  | 200  | 68  | 406  | 240  | 91  | 15   | 24  | 30,5 |
| 300  | 315  | 239  | 78  | 482  | 290  | 112 | 15   | 24  | 44   |
| 350  | 330  | 265  | 80  | 533  | 330  | 130 | 18   | 40  | 59   |
| 400  | 365  | 296  | 102 | 597  | 377  | 145 | 20   | 40  | 82   |
| 450  | 397  | 355  | 113 | 640  | 425  | 164 | 24   | 65  | 118  |
| 500  | 437  | 393  | 126 | 715  | 474  | 182 | 26   | 65  | 175  |
| 600  | 522  | 464  | 153 | 840  | 569  | 218 | 28,5 | 80  | 260  |
| 700  | 565  | 503  | 168 | 927  | 660  | 257 | 31,5 | 80  | 345  |
| 750  | 590  | 541  | 170 | 985  | 709  | 272 | 34   | 80  | 435  |
| 800  | 627  | 577  | 190 | 1060 | 774  | 304 | 36,5 | 80  | 510  |
| 900  | 696  | 643  | 204 | 1170 | 855  | 337 | 38   | 100 | 660  |
| 1000 | 745  | 693  | 218 | 1255 | 960  | 383 | 44   | 100 | 790  |
| 1100 | 820  | 738  | 218 | 1395 | 1054 | 429 | 44   | 100 | 850  |
| 1200 | 881  | 806  | 254 | 1485 | 1149 | 462 | 47   | 120 | 1180 |
| 1400 | 990  | 908  | 280 | 1746 | 1336 | 543 | 40   | 120 | 1700 |
| 1600 | 1117 | 1048 | 318 | 1924 | 1553 | 634 | 50   | 155 | 2600 |

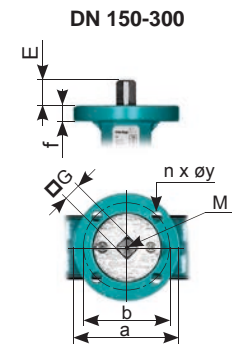
1) DN 450 - 1600, 2 x threads on valve neck and bottom

### Top flange according to ISO 5211

#### Wafer and Lug



#### U-section



### Wafer and Lug

| DN      | E  | G    | M  | f       | ISO       | a       | b       | n x øy          |
|---------|----|------|----|---------|-----------|---------|---------|-----------------|
| 25-40   | 12 | □ 8  | M4 | 10      | F05*      | 65      | 50      | 4 x 7           |
| 50-80   | 12 | □ 11 | M6 | 10      | F05       | 65      | 50      | 4 x 7           |
| 100     | 12 | □ 11 | M6 | 10 / 10 | F05 / F07 | 65 / 89 | 50 / 70 | 4 x 7 / 4 x 9,5 |
| 125     | 16 | □ 14 | M6 | 10 / 10 | F05 / F07 | 65 / 89 | 50 / 70 | 4 x 7 / 4 x 9,5 |
| 150     | 16 | □ 14 | M6 | 10      | F07       | 89      | 70      | 4 x 9,5         |
| 200     | 19 | □ 17 | M6 | 10      | F07       | 89      | 70      | 4 x 9,5         |
| 250-300 | 24 | □ 22 | ** | 18      | F10/F12   | 150     | 102/125 | 4 x 11 / 4 x 13 |

\*F04 on request

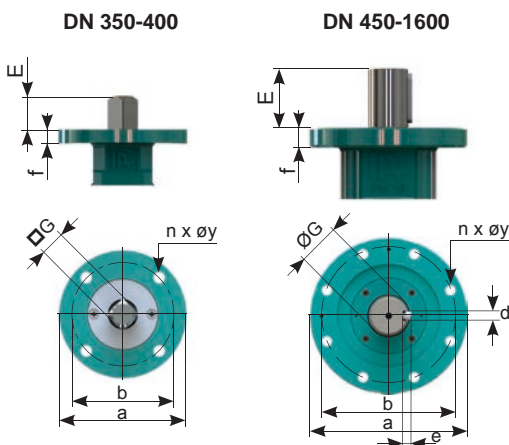
\*\*Shaft end not threaded

### U-section

| DN      | E  | G    | M  | f  | ISO     | a   | b       | n x øy          |
|---------|----|------|----|----|---------|-----|---------|-----------------|
| 150     | 16 | □ 14 | M6 | 12 | F07     | 90  | 70      | 4 x 9           |
| 200     | 19 | □ 17 | M6 | 12 | F07     | 90  | 70      | 4 x 9           |
| 250-300 | 24 | □ 22 | ** | 18 | F10/F12 | 150 | 102/125 | 4 x 11 / 4 x 13 |

\*\*Shaft end not threaded

### Wafer, Lug and U-section



### Wafer, Lug and U-section

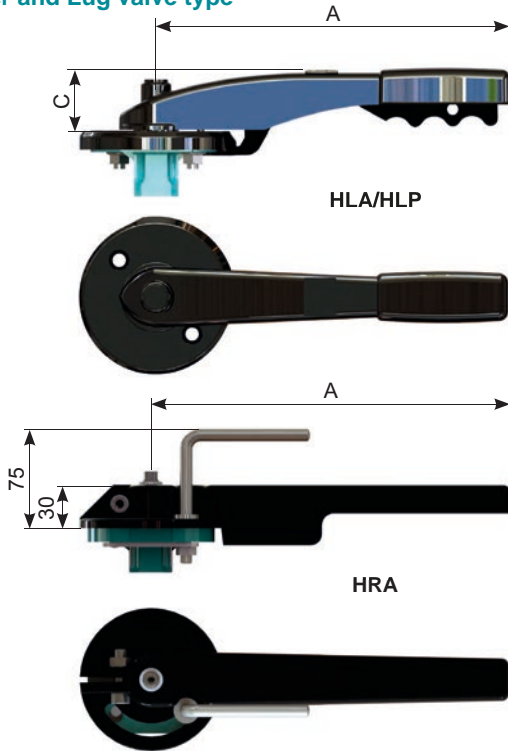
| DN      | E   | G     | d  | e  | f  | ISO | a   | b   | n x øy   |
|---------|-----|-------|----|----|----|-----|-----|-----|----------|
| 350     | 40  | □ 22  | -  | -  | 18 | F12 | 155 | 125 | 4 x 13   |
| 400     | 40  | □ 27  | -  | -  | 18 | F12 | 155 | 125 | 4 x 13   |
| 450-500 | 65  | Ø 45  | 14 | 9  | 25 | F14 | 175 | 140 | 4 x 18   |
| 600     | 80  | Ø 70  | 20 | 12 | 25 | F16 | 220 | 165 | 4 x 22   |
| 700     | 80  | Ø 70  | 20 | 12 | 25 | F25 | 300 | 254 | 8 x 18   |
| (750)   | 80  | Ø 70  | 20 | 12 | 30 | F25 | 300 | 254 | 8 x 18   |
| 800     | 80  | Ø 70  | 20 | 12 | 30 | F25 | 300 | 254 | 8 x 18   |
| 900     | 100 | Ø 80  | 22 | 14 | 30 | F30 | 350 | 298 | 8 x 22   |
| 1000    | 100 | Ø 80  | 22 | 14 | 30 | F30 | 350 | 298 | 8 x 22   |
| (1100)  | 100 | Ø 80  | 22 | 14 | 30 | F30 | 350 | 298 | 8 x 22   |
| 1200    | 120 | Ø 100 | 28 | 16 | 30 | F30 | 350 | 298 | 8 x 22   |
| 1400    | 120 | Ø 120 | 32 | 18 | 35 | F30 | 350 | 298 | 8 x 22   |
| 1600    | 155 | Ø 130 | 32 | 18 | 40 | F35 | 418 | 356 | 8 x 33,5 |



## Dimensions

### Handlever

#### Wafer and Lug valve type



Aluminium, Epoxy coated

| DN                |                | A   | C  | [kg] |
|-------------------|----------------|-----|----|------|
| 25-40             | HLA.F0508.180K | 180 | 41 | 0.4  |
| 50-65             | HLA.F0511.180K | 180 | 41 | 0.4  |
| 80                | HLA.F0511.240K | 243 | 43 | 0.5  |
| 100               | HLA.F0711.240K | 243 | 43 | 0.5  |
| 125-150           | HLA.F0714.340K | 340 | 51 | 0.6  |
| 200 <sup>1)</sup> | HLA.F0717.340K | 340 | 51 | 0.6  |

Polyamide PA 6, 30% glass fibers reinforced

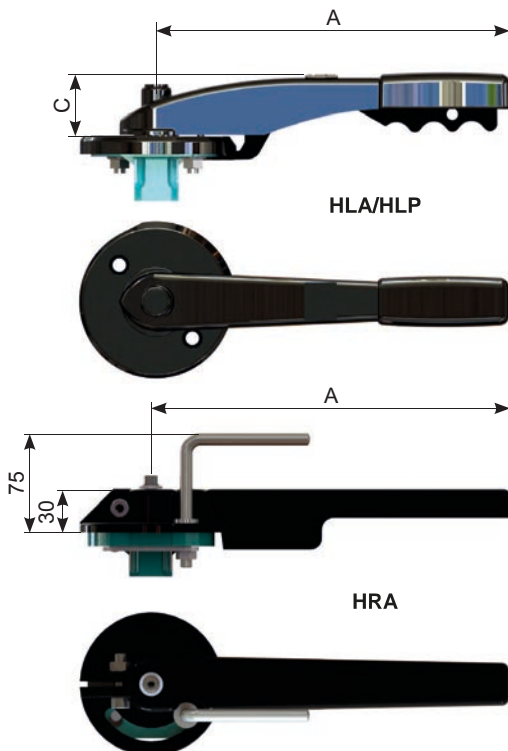
| DN                |                | A   | C  | [kg] |
|-------------------|----------------|-----|----|------|
| 50-80             | HLP.F0511.240K | 240 | 61 | 0.6  |
| 100               | HLP.F0711.240K | 240 | 61 | 0.6  |
| 125-150           | HLP.F0714.240K | 240 | 61 | 0.6  |
| 200 <sup>1)</sup> | HLP.F0717.390K | 390 | 66 | 0.9  |

Aluminium, Epoxy coated

| DN                |                | A   | [kg] |
|-------------------|----------------|-----|------|
| 25-40             | HRA.F0508.180K | 180 | 0.4  |
| 50-65             | HRA.F0511.180K | 180 | 0.4  |
| 80                | HRA.F0511.250K | 250 | 0.5  |
| 100               | HRA.F0711.250K | 250 | 0.6  |
| 125-150           | HRA.F0714.340K | 340 | 0.6  |
| 200 <sup>1)</sup> | HRA.F0717.340K | 340 | 0.6  |

1) Use a gearbox for severe conditions, LF and FF executions

#### U-section valve type



Aluminium, Epoxy coated

| DN                |                | A   | C  | [kg] |
|-------------------|----------------|-----|----|------|
| 150               | HLA.F0714.340K | 340 | 51 | 0.6  |
| 200 <sup>1)</sup> | HLA.F0717.340K | 340 | 51 | 0.6  |

Polyamide PA 6, 30% glass fibers reinforced

| DN                |                | A   | C  | [kg] |
|-------------------|----------------|-----|----|------|
| 150               | HLP.F0714.240K | 240 | 61 | 0.6  |
| 200 <sup>1)</sup> | HLP.F0717.390K | 390 | 66 | 0.9  |

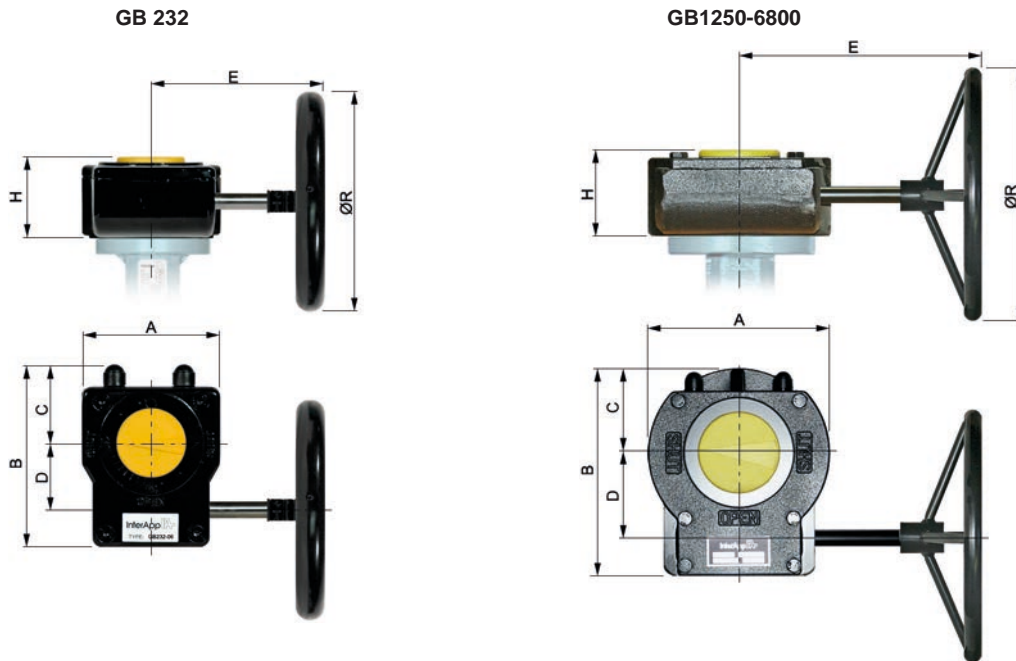
Aluminium, Epoxy coated

| DN                |                | A   | [kg] |
|-------------------|----------------|-----|------|
| 150               | HRA.F0714.340K | 340 | 0.6  |
| 200 <sup>1)</sup> | HRA.F0717.340K | 340 | 0.6  |

1) Use a gearbox for severe conditions, LF and FF executions

## Dimensions

### Gearbox



For liquids 20°C - 80°C , p<sub>max</sub> DN25-300 ...16 bar, DN350-1600 ... 10 bar

| DN      |                               | A   | B     | C     | D     | E     | H   | ØR  | n*     | [kg]  |
|---------|-------------------------------|-----|-------|-------|-------|-------|-----|-----|--------|-------|
| 25-40   | GB232-05.F05-F0708.100        | 80  | 114   | 48    | 42.5  | 121   | 53  | 100 | 10     | 0.8   |
| 50-100  | GB232-05.F05-F0711.100        | 80  | 114   | 48    | 42.5  | 121   | 53  | 100 | 10     | 0.8   |
| 125-150 | GB232-05.F05-F0714.100        | 80  | 114   | 48    | 42.5  | 121   | 53  | 100 | 10     | 0.8   |
| 200     | GB232-06.F05-F0717.160        | 80  | 114   | 48    | 42.5  | 180   | 59  | 160 | 10     | 0.9   |
| 250-300 | GB232-08.F07-F1022.250        | 100 | 131   | 56    | 50    | 216   | 67  | 250 | 9.25   | 1.55  |
| 350     | GB232-13.F10-F1222.300        | 175 | 209   | 83    | 80    | 361   | 84  | 300 | 10     | 5.4   |
| 400     | GB232-13.F10-F1227.500        | 175 | 209   | 83    | 80    | 396   | 84  | 500 | 10     | 5.4   |
| 450     | GB1250N.F1445.400             | 220 | 258   | 110   | 104.5 | 326   | 102 | 400 | 13.75  | 22    |
| 500     | GB1250N.F1445.400             | 220 | 258   | 110   | 104.5 | 326   | 102 | 400 | 13.75  | 22    |
| 600     | GB2000N.F1670.500             | 241 | 255   | 106   | 53    | 348   | 121 | 500 | 27     | 24    |
| 700     | GB2000NLB.F2570.600-SH100     | 285 | 293   | 142   | 53    | 348   | 121 | 600 | 27     | 27    |
| 750     | GB2000NLB.F2570.700-SH100     | 285 | 293   | 142   | 53    | 348   | 121 | 700 | 27     | 27    |
| 800     | GB1950N/PR4.F2570.500         | 285 | 322.5 | 142.5 | 130   | 417   | 126 | 500 | 54     | 39    |
| 900     | GB1950NLB/PR4.F3080.500-SH100 | 350 | 355   | 175   | 130   | 445   | 129 | 500 | 54     | 52    |
| 1000    | GB6800N/PR4.F3080.500         | 370 | 407   | 170   | 182   | 470   | 159 | 500 | 81     | 62.5  |
| 1100    | GB6800N/PR4.F3080.500         | 370 | 407   | 170   | 182   | 470   | 159 | 500 | 81     | 62.5  |
| 1200    | GB6800N/PR4.F30100.600        | 370 | 407   | 170   | 182   | 480   | 159 | 600 | 117    | 62.5  |
| 1400    | GBA200N/PR10.F30120.700       | 440 | 492   | 207.5 | 209   | 490.5 | 215 | 700 | 182.25 | 134.4 |
| 1600    | GBIW82/R720.F35130.800        | 520 | 531   | 260   | 67    | 600.5 | 185 | 800 | 130    | 222   |

\* n = Handwheel turns ON/OFF

Material:

GB232 : Aluminium, Polyurethan coated  
 GB880-GB6800 : Cast iron, Polyurethan coated

## Installation at the end of a line



When installing the valve at the end of a line please consult document Installation/Maintenance DESPONIA.

## Further documentation

Pneumatic actuators, Electric actuators, Accessories according separate data sheets.  
Installation guide, Maintenance guide, Flanges: Please consult these guides for the installation and maintenance of our butterfly valves.

**Declaración de conformidad DEP 2014/68/UE**  
**Declaration of Conformity PED 2014/68/EU**

| Fabricante<br><i>Manufacturer</i><br>  | InterApp-Valcom SA<br>Calderon de la Barca 12-14<br>28860 Paracuellos de Jarama<br>España |                                   |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
|--|---|-----------------------------------|----------------------------------|-------|----------|-------|----------------------|---------------------|-----------|----------------|---------------------|--------------------|--------------------|--------------------|---------------------|--|-----------------------|--------------------|--|-------------------|----------------|--|-------------------|----------------|--|--|----------------------|--|--|---------------------|--|--|------------------|--|--|
| Declaramos, que las válvulas abajo indicadas cumplen los requisitos de la directiva 2014/68/UE.<br>We declare that the valves listed below comply with the requirements of the Pressure Equipment Directive 2014/68/EU.  |   |                                   |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| Descripción: Válvula de mariposa<br>Description: Butterfly Valve   | - Desponia (Incluida S820)<br>- Desponia plus   | DN 25/32 – 1600<br>DN 25/32 – 600 |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| <b>Clasificación de la válvulas</b><br>Classification of the valves  |   |                                   |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| Válvula de mariposa Desponia (incluida S820) DN 25/32- DN 1600<br>Válvula de mariposa Desponia plus DN 25/32-600   |   |                                   |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">Fluidos grupo 1 / Fluids group 1</th> <th style="text-align: left;">Fluidos grupo 2 / Fluids group 2</th> </tr> <tr> <th style="text-align: left;">Gases</th> <th style="text-align: left;">Líquidos</th> <th style="text-align: left;">Gases</th> </tr> </thead> <tbody> <tr> <td>DN25-32-150 PN2.5-20</td> <td>DN150-200 PN16-PN20</td> <td>DN50 PN20</td> </tr> <tr> <td>DN200 PN2.5-16</td> <td>DN250-300 PN10-PN20</td> <td>DN65-100 PN16-PN20</td> </tr> <tr> <td>DN250-350 PN2.5-10</td> <td>DN350-800 PN6-PN20</td> <td>DN125-150 PN10-PN20</td> </tr> <tr> <td></td> <td>DN900-1200 PN2.5-PN20</td> <td>DN200-250 PN6-PN20</td> </tr> <tr> <td></td> <td>DN1400 PN2.5-PN16</td> <td>DN300 PN6-PN16</td> </tr> <tr> <td></td> <td>DN1600 PN2.5-PN10</td> <td>DN350 PN6-PN10</td> </tr> <tr> <td></td> <td></td> <td>DN400-500 PN2.5-PN10</td> </tr> <tr> <td></td> <td></td> <td>DN600-800 PN2.5-PN6</td> </tr> <tr> <td></td> <td></td> <td>DN900-1600 PN2.5</td> </tr> </tbody> </table> | Fluidos grupo 1 / Fluids group 1  |                                   | Fluidos grupo 2 / Fluids group 2 | Gases | Líquidos | Gases | DN25-32-150 PN2.5-20 | DN150-200 PN16-PN20 | DN50 PN20 | DN200 PN2.5-16 | DN250-300 PN10-PN20 | DN65-100 PN16-PN20 | DN250-350 PN2.5-10 | DN350-800 PN6-PN20 | DN125-150 PN10-PN20 |  | DN900-1200 PN2.5-PN20 | DN200-250 PN6-PN20 |  | DN1400 PN2.5-PN16 | DN300 PN6-PN16 |  | DN1600 PN2.5-PN10 | DN350 PN6-PN10 |  |  | DN400-500 PN2.5-PN10 |  |  | DN600-800 PN2.5-PN6 |  |  | DN900-1600 PN2.5 |  |  |
| Fluidos grupo 1 / Fluids group 1   |   | Fluidos grupo 2 / Fluids group 2  |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| Gases  | Líquidos  | Gases                             |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| DN25-32-150 PN2.5-20   | DN150-200 PN16-PN20   | DN50 PN20                         |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| DN200 PN2.5-16   | DN250-300 PN10-PN20   | DN65-100 PN16-PN20                |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| DN250-350 PN2.5-10   | DN350-800 PN6-PN20  | DN125-150 PN10-PN20               |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
|  | DN900-1200 PN2.5-PN20   | DN200-250 PN6-PN20                |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
|  | DN1400 PN2.5-PN16   | DN300 PN6-PN16                    |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
|  | DN1600 PN2.5-PN10   | DN350 PN6-PN10                    |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
|  |   | DN400-500 PN2.5-PN10              |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
|  |   | DN600-800 PN2.5-PN6               |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
|  |   | DN900-1600 PN2.5                  |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| <b>Procedimiento de valoración de la conformidad</b><br>Conformity Assessment Procedure  | Módulo A1   |                                   |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| <b>Organismo Notificado para el control</b><br>Notified Body for the inspection  | TÜV Rheinland Ibérica, Inspection, Certification & Testing, S.A.<br>N° 1027               |                                   |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| <b>Dirección</b><br>Address  | C/Garroba, 10-12 08820 El Prat de Llobregat.  |                                   |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| <b>Certificado-N°</b><br>Certificate number  | DEP.A1.000606   |                                   |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| <b>Normas empleadas</b><br>Technical Standards used  | EN 593; EN 1561; EN 1563; etc   |                                   |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| <b>Persona autorizada por el fabricante</b><br>Authorised Person for the Manufacturer  | Responsable de Calidad / Quality Manager  |                                   |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
| Alberto Nieto<br>(Name)  | Firma:<br>(Signature)   |                                   |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |
|  |   |                                   |                                  |       |          |       |                      |                     |           |                |                     |                    |                    |                    |                     |  |                       |                    |  |                   |                |  |                   |                |  |  |                      |  |  |                     |  |  |                  |  |  |