

# WAFER TYPE BUTTERFLY VALVE TECLARGE WITH GEAR BOX

## VPE 4448-08

Ref. : VPE 4448-08.pas

Rev. : Initial

Date : 23/06/2016



PA Ventil AB

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### APPLICATION

General use : water, sludge, etc.

### GENERAL CHARACTERISTICS

Design in accordance with NF EN 593.

Tightness in both ways.

Sleeve internally reinforced in aluminium giving a low torque.

Two kinds of construction:

- wafer type with smooth ears from DN350 to DN600;
  - with middle flange having smooth holes from DN700 to DN1200.
- Self lubricant bearing in copper alloy.

### CONSTRUCTION

| 11   | 1    | Handwheel   | Ductile iron                 |
|------|------|-------------|------------------------------|
| 10   | 1    | Gear box    | Ductile iron                 |
| 9    | 1    | Cover       | Ductile iron                 |
| 8    |      | Bushing     | Copper alloy                 |
| 7    | 1    | O ring      | NBR                          |
| 6    |      | Bushing     | Copper alloy                 |
| 5    | 1    | Sleeve      | Heat EPDM                    |
| 4    |      | Pin         | Stainless steel 410          |
| 3    | 1    | Disc        | Ductile iron<br>EN-GJS400-15 |
| 2    |      | Stem        | Stainless steel 410          |
| 1    | 1    | Body        | Ductile iron<br>EN-GJS400-15 |
| Pos. | Q-ty | Description | Material                     |

### DIMENSIONS

| DN   | A    | B   | C   | ØD   | Ø2     | ISO | ØD2 | ØD3 | ØD4 | n1-Ø1 | ØD1  | n-Ø   | 4-M   | g°    | J  | Weight (kg) |
|------|------|-----|-----|------|--------|-----|-----|-----|-----|-------|------|-------|-------|-------|----|-------------|
| mm   | inch |     |     |      |        |     |     |     |     |       |      |       |       |       |    |             |
| 350  | 14"  | 368 | 267 | 76,5 | 333,5  | F14 | 175 | 140 | 100 | 4-18  | 470  | 16-28 | -     | 22,5  | 8  | 42,5        |
| 400  | 16"  | 400 | 309 | 102  | 389,6  | F14 | 175 | 140 | 100 | 4-18  | 525  | 16-31 | -     | 22,5  | 10 | 94          |
| 450  | 18"  | 422 | 340 | 114  | 440,5  | F14 | 175 | 140 | 100 | 4-18  | 585  | 20-31 | -     | 18    | 10 | 113         |
| 500  | 20"  | 442 | 365 | 127  | 491,6  | F14 | 175 | 140 | 100 | 4-18  | 650  | 20-34 | -     | 18    | 14 | 120         |
| 600  | 24"  | 562 | 459 | 151  | 592,5  | F16 | 210 | 165 | 130 | 4-22  | 725  | 20-31 | -     | 18    | 16 | 210         |
| 700  | 28"  | 624 | 520 | 163  | 695    | F25 | 300 | 254 | 200 | 8-18  | 840  | 20-37 | 4-M33 | 15    | 18 | 382         |
| 800  | 32"  | 672 | 591 | 188  | 794,7  | F25 | 300 | 254 | 200 | 8-18  | 950  | 20-41 | 4-M36 | 15    | 18 | 475         |
| 900  | 36"  | 720 | 656 | 203  | 864,7  | F25 | 300 | 254 | 200 | 8-18  | 1050 | 24-41 | 4-M36 | 12,85 | 20 | 795         |
| 1000 | 40"  | 800 | 722 | 216  | 965    | F25 | 300 | 254 | 200 | 8-18  | 1170 | 24-44 | 4-M39 | 12,85 | 22 | 875         |
| 1200 | 48"  | 941 | 864 | 276  | 1160,6 | F30 | 350 | 298 | 230 | 8-22  | 1390 | 28-50 | 4-M45 | 11,25 | 28 | 1170        |

### WORKING CONDITIONS

Maximum working pressure : 16 bar.

Maximum working temperature : -15 °C / +130 °C.

Peak temperature : -30°C / + 150°C

### STANDARDS

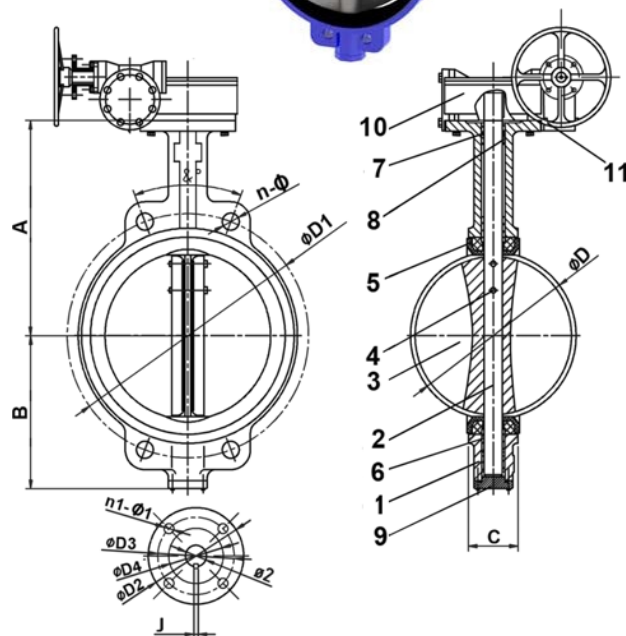
Manufacture according to the requirements of the European directive 2014/68/UE «Equipments under pressure» : modulate H. Pressure test according to standards EN 12266-1, DIN 3230, BS 5154 and ISO 5208 :

Body : 24 bar.

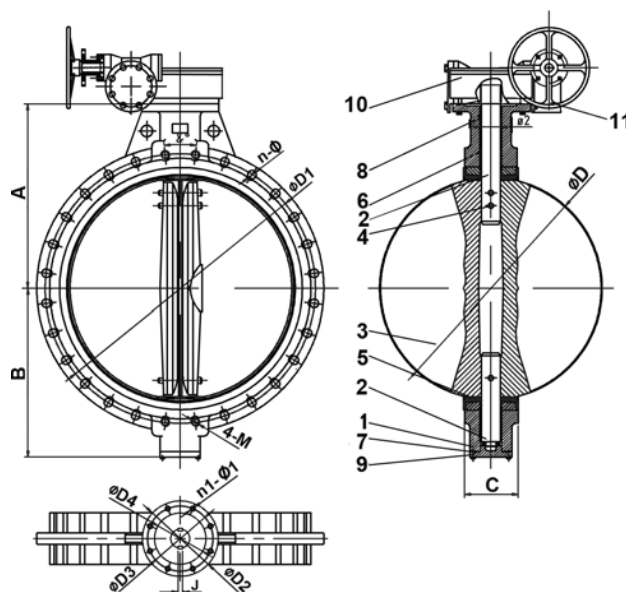
Seat : 17.6 bar.

Face to face according to standard EN 558-1 serie 20, ISO 5752 serie 20 and DIN 3202.

Wafer type ISO PN16 connections according to standard EN 1092-2.



DN350 - DN600



DN700 - DN1200

