

FLAP VALVE MOON
metal/rubber sealed
DN 50 - 1000 PN10/16

04.301



Product description

- Flap valve series MOON for drinking water, neutral liquids and sea water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according DIN 3476-1, EN 14901-1 and GSK (RAL-GZ662) guidelines

Features

- Valve with self-operating flap obturator
- Full bore
- The valve opens under direct pressure to relieve fluid, allowing the water to drain when the pressure is relieved, preventing fluids from returning when the tide rises
- The valve sealing area has an 8° inclination to guarantee automatic closing after the fluid has come out. This inclination allows the obturator to exert sufficient force to prevent the ingress of fluid in the opposite direction.
- Minimum opening pressure is 0.1 bar
- The obturator was sealed to reduce noise and increase the coating's endurance
- Can be installed directly on flanges or previously straightened masonry surfaces by steel anchors prior to being planed
- On request possibility to be supplied with counterweight.



Fucoli-Somepal
FUNDICAO DE FERRO, S.A.

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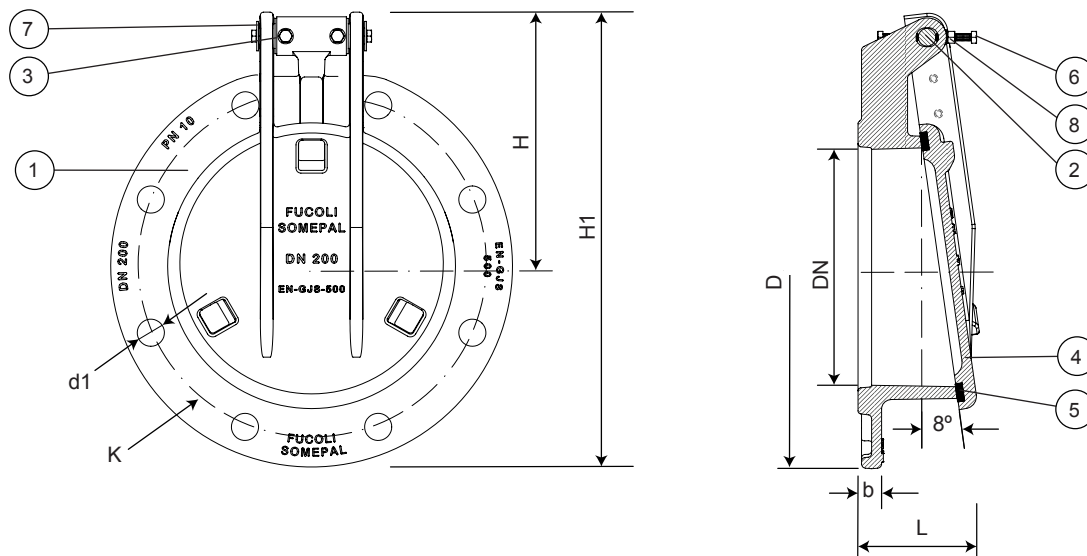
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Component list

| pos. | components | material | standard |
|------|-----------------|---------------------------|--------------|
| 1 | Body | Ductile iron EN-GJS-500-7 | EN 1563 |
| 2 | Shaft | Stainless steel AISI 316L | EN 10088 - 1 |
| 3 | Bushing | POM | - |
| 4 | Disc/ Obturator | Ductile iron EN-GJS-500-7 | EN 1563 |
| 5 | Sealing | Elastomer NBR | EN 681 - 1 |
| 6 | Bolts | Stainless steel A2 | EN 10088 - 1 |
| 7 | Washers | Stainless steel A2 | EN 10088 - 1 |
| 8 | Nuts | Stainless steel A4 | EN 10088 - 1 |

Reference and dimensions

| DN | PN | code | D mm | L mm | H mm | H1 mm | K mm | n° x d1 mm | b mm | Kg approx. |
|----------|-------|----------|---------|---------|---------|----------|---------|---------------|---------|---------------|
| 50/60/65 | 10/16 | 10765490 | 185 | 78 | 133 | 226 | 125/145 | 4 x 19 | 19 | 4 |
| 80 | 10/16 | 10765495 | 200 | 80 | 154 | 255 | 160 | 8 x 19 | 19 | 5 |
| 100 | 10/16 | 10765500 | 220 | 80 | 154 | 265 | 180 | 8 x 19 | 19 | 6 |
| 150 | 10/16 | 10765505 | 285 | 95 | 184 | 327 | 240 | 8 x 23 | 19 | 9 |
| 200 | 10 | 10765510 | 340 | 100 | 215 | 386 | 295 | 8 x 23 | 20 | 14 |
| 200 | 16 | 10765513 | 340 | 100 | 215 | 386 | 295 | 12 x 23 | 20 | 14 |
| 250 | 10 | 10765515 | 400 | 115 | 252 | 453 | 350 | 12 x 23 | 22 | 22 |
| 250 | 16 | 10765518 | 400 | 115 | 252 | 453 | 355 | 12 x 28 | 22 | 22 |
| 300 | 10 | 10765520 | 455 | 125 | 280 | 508 | 400 | 12 x 23 | 24.5 | 28 |
| 300 | 16 | 10765523 | 455 | 125 | 280 | 508 | 410 | 12 x 28 | 24.5 | 28 |
| 350 | 10 | 10765525 | 520 | 140 | 321 | 582 | 460 | 16 x 23 | 24.5 | 50 |
| 350 | 16 | 10765528 | 520 | 140 | 321 | 582 | 470 | 16 x 28 | 26.5 | 50 |
| 400 | 10 | 10765530 | 580 | 150 | 351 | 642 | 515 | 16 x 28 | 24.5 | 50 |
| 400 | 16 | 10765533 | 580 | 150 | 351 | 642 | 525 | 16 x 31 | 28 | 50 |
| 450 | 10 | 10765535 | 615 | 155 | 370 | 678 | 565 | 20 x 28 | 25.5 | 56 |
| 450 | 16 | 10765538 | 640 | 155 | 370 | 678 | 585 | 20 x 31 | 30 | 64 |
| 500 | 10 | 10765540 | 670 | 160 | 400 | 736 | 620 | 20 x 28 | 26.5 | 66 |
| 500 | 16 | 10765543 | 715 | 160 | 400 | 736 | 650 | 20 x 34 | 31.5 | 75 |
| 600 | 10 | 10765545 | 780 | 185 | 460 | 851 | 725 | 20 x 31 | 30 | 97 |
| 600 | 16 | 10765548 | 840 | 185 | 460 | 851 | 770 | 20 x 37 | 36 | 117 |

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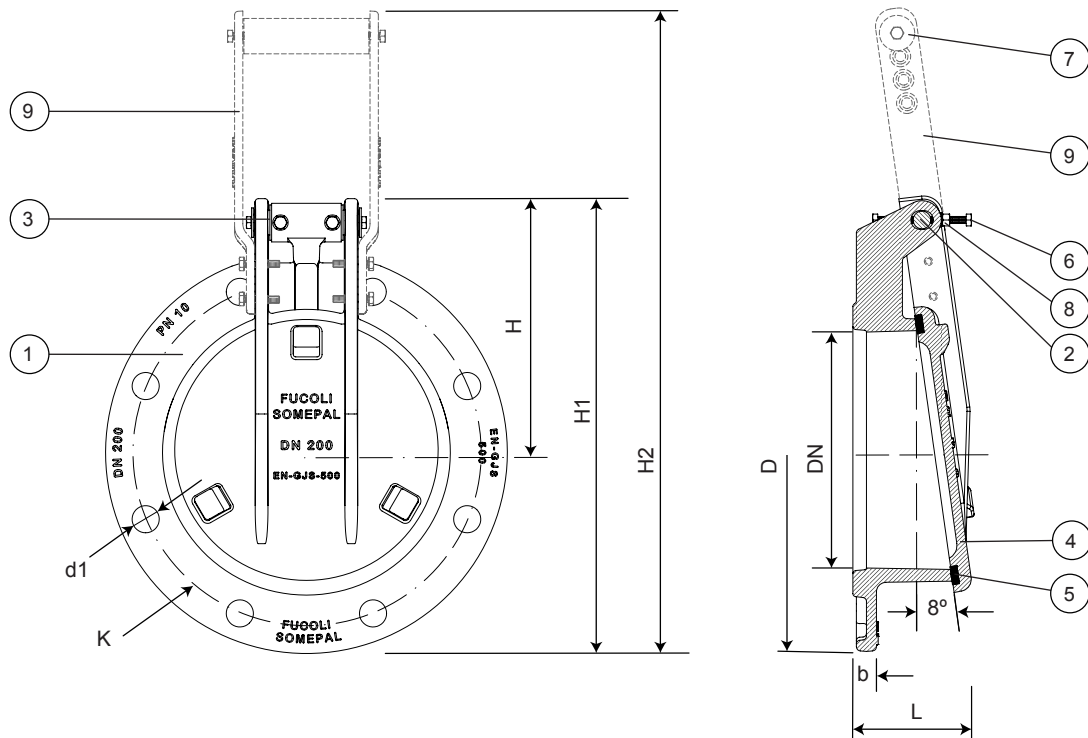


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Reference and dimensions

| DN | PN | code | D mm | L mm | H mm | H1 mm | K mm | n° x d1 mm | b mm | Kg approx. |
|------|-------|----------|-----------|---------|---------|----------|-----------|---------------|---------|---------------|
| 700 | 10 | 10765550 | 895 | 210 | 520 | 969 | 840 | 24 x 31 | 32.5 | 130 |
| 700 | 16 | 10765553 | 910 | 210 | 520 | 969 | 840 | 24 x 37 | 39.5 | 150 |
| 800 | 10 | 10765555 | 1015 | 230 | 582 | 1091 | 950 | 24 x 34 | 35 | 180 |
| 800 | 16 | 10765558 | 1025 | 230 | 582 | 1091 | 950 | 24 x 41 | 43 | 200 |
| 900 | 10 | 10765560 | 1115 | 255 | 646 | 1210 | 1050 | 28 x 34 | 37.5 | 200 |
| 900 | 16 | 10765563 | 1125 | 255 | 646 | 1210 | 1050 | 28 x 41 | 46.5 | 250 |
| 1000 | 10/16 | 10765565 | 1230/1255 | 285 | 712 | 1340 | 1160/1170 | 28 x 37/44 | 50 | 295 |

Flap valve Moon with counterweight



Component list

| pos. | components | material | standard |
|------|-----------------|-----------------------------------|--------------|
| 1 | Body | Ductile iron EN-GJS-500-7 | EN 1563 |
| 2 | Shaft | Stainless steel AISI 316L | EN 10088 - 1 |
| 3 | Bushing | POM | - |
| 4 | Disc/ Obturator | Ferro Fundido Dúctil EN-GJS-500-7 | EN 1563 |
| 5 | Sealing | Elastomer NBR | EN 681 - 1 |
| 6 | Bolts | Stainless steel A2 | EN 10088 - 1 |
| 7 | Washers | Stainless steel A2 | EN 10088 - 1 |
| 8 | Nuts | Stainless steel A4 | EN 10088 - 1 |
| 9 | Counterweight | Ductile iron EN-GJS-500-7 | EN 1563 |

Referências e dimensões

| DN | PN | code | D mm | L mm | H mm | H1 mm | H2 mm | K mm | n° x d1 mm | b mm | Kg approx. |
|----------|-------|----------|---------|---------|---------|----------|----------|---------|---------------|---------|---------------|
| 50/60/65 | 10/16 | 10765590 | 185 | 78 | 133 | 226 | 322 | 125/145 | 4 x 19 | 19 | 6 |
| 80 | 10/16 | 10765595 | 200 | 80 | 154 | 255 | 348 | 160 | 8 x 19 | 19 | 7 |
| 100 | 10/16 | 10765600 | 220 | 80 | 154 | 265 | 358 | 180 | 8 x 19 | 19 | 8 |
| 150 | 10/16 | 10765605 | 285 | 95 | 184 | 327 | 490 | 240 | 8 x 23 | 19 | 11 |

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Reference and dimensions

| DN | PN | code | D mm | L mm | H mm | H1 mm | H2 mm | K mm | n° x d1 mm | b mm | Kg approx. |
|------|-------|----------|-----------|---------|---------|----------|----------|-----------|---------------|---------|---------------|
| 200 | 10 | 10765610 | 340 | 100 | 215 | 386 | 545 | 295 | 8 x 23 | 20 | 17 |
| 200 | 16 | 10765613 | 340 | 100 | 215 | 386 | 545 | 295 | 12 x 23 | 20 | 17 |
| 250 | 10 | 10765615 | 400 | 115 | 252 | 453 | 612 | 350 | 12 x 23 | 22 | 25 |
| 250 | 16 | 10765618 | 400 | 115 | 252 | 453 | 612 | 355 | 12 x 28 | 22 | 25 |
| 300 | 10 | 10765620 | 455 | 125 | 280 | 508 | 716 | 400 | 12 x 23 | 24.5 | 31 |
| 300 | 16 | 10765623 | 455 | 125 | 280 | 508 | 716 | 410 | 12 x 28 | 24.5 | 31 |
| 350 | 10 | 10765625 | 520 | 140 | 321 | 582 | 786 | 460 | 16 x 23 | 24.5 | 55 |
| 350 | 16 | 10765628 | 520 | 140 | 321 | 582 | 786 | 470 | 16 x 28 | 26.5 | 55 |
| 400 | 10 | 10765630 | 580 | 150 | 351 | 642 | 896 | 515 | 16 x 28 | 24.5 | 55 |
| 400 | 16 | 10765633 | 580 | 150 | 351 | 642 | 896 | 525 | 16 x 31 | 28 | 55 |
| 450 | 10 | 10765635 | 615 | 155 | 370 | 678 | 974 | 565 | 20 x 28 | 25.5 | 61 |
| 450 | 16 | 10765638 | 640 | 155 | 370 | 678 | 974 | 585 | 20 x 31 | 30 | 69 |
| 500 | 10 | 10765640 | 670 | 160 | 400 | 736 | 1036 | 620 | 20 x 28 | 26.5 | 71 |
| 500 | 16 | 10765643 | 715 | 160 | 400 | 736 | 1036 | 650 | 20 x 34 | 31.5 | 80 |
| 600 | 10 | 10765645 | 780 | 185 | 460 | 851 | 1176 | 725 | 20 x 31 | 30 | 102 |
| 600 | 16 | 10765648 | 840 | 185 | 460 | 851 | 1176 | 770 | 20 x 37 | 36 | 122 |
| 700 | 10 | 10765650 | 895 | 210 | 520 | 969 | 1334 | 840 | 24 x 31 | 32.5 | 135 |
| 700 | 16 | 10765653 | 910 | 210 | 520 | 969 | 1334 | 840 | 24 x 37 | 39.5 | 155 |
| 800 | 10 | 10765655 | 1015 | 230 | 582 | 1091 | 1483 | 950 | 24 x 34 | 35 | 185 |
| 800 | 16 | 10765658 | 1025 | 230 | 582 | 1091 | 1483 | 950 | 24 x 41 | 43 | 205 |
| 900 | 10 | 10765660 | 1115 | 255 | 646 | 1210 | 1642 | 1050 | 28 x 34 | 37.5 | 205 |
| 900 | 16 | 10765663 | 1125 | 255 | 646 | 1210 | 1642 | 1050 | 28 x 41 | 46.5 | 255 |
| 1000 | 10/16 | 10765665 | 1230/1255 | 285 | 712 | 1340 | 1770 | 1160/1170 | 28 x 37/44 | 50 | 300 |



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