



 **SAVAL**

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**CATALOGUE**

[www.valsaval.com](http://www.valsaval.com)



# SPANISH MANUFACTURER VALVES

Saval is a reference company with more than 50 years of experience in the naval sector, civil, military and industry. Our activity includes the development, design, manufacture and supply of valves.

All SAVAL valves are manufactured 100% in Spain with materials of European origin and certified, providing a proven quality that guarantees optimum performance and a high level of durability.





## CAREER

**1965**

Valvunaval is founded, valve factory.



**1990**

Becomes SAVAL Marine Valves, continuing as a manufacturer of high quality valves quality valves, mainly for the naval sector.



**2012**

SAVAL Marine Valves is acquired by the Fernández Jove Group.



**2015**

SAVAL Marine Valves has moved its production to new facilities in Cantabria.



**2019**

Development of new valve models.



**2021**

Development of ball valves for the submarine sector.



# WHAT MAKES US DIFFERENT?



## MANUFACTURING

At Saval Marine Valves we are committed to preserving the highest quality in all the processes and sub-processes of our production cycle. One of the most important processes in the manufacture of valves is the casting of the material, so the control and demand in this regard is maximum, this feature is one of the keys to guarantee all the requirements of Saval valves.

Saval's technical and quality team only works with European & Certified Castings, providing the following values to this fundamental process and production axis:

- ◆ Increased process control
- ◆ Flexibility in delivery times
- ◆ Increased functional quality



## TRACEABILITY

Our manufacturing system offers complete traceability, from the origin of our valve's production process to its final dispatch.

Thanks to this system, we can guarantee the correct recording and maintenance of information on all Saval valves supplied to our customers.



## CERTIFICATIONS

All valves manufactured by Saval undergo rigorous quality tests that guarantee the product and the reliability of its performance. We have an integrated quality system that includes ISO 9001:2018 certification of the whole company, IACS Type approvals of our valves, and special certificates such as Shock-Test or Fire-Safe for some special requirements of our customers.



MIL-S-901D  
MIL-STD-798





## 100% TESTED VALVES

100% of Saval valves, as well as their components, are controlled in their different stages of manufacture and tested on our modern test bench in order to guarantee the highest technical quality and service requirements for our products.

Each of our valves is subjected to the hydrostatic tests of both the assembly and the seat, as required by the corresponding standards (UNE EN 12266-1:2013), to ensure its tightness.

|                       |              |
|-----------------------|--------------|
| Test bench range DN   | DN15 a DN400 |
| Face-to-face maximum  | 1000 mm      |
| Maximum closing force | 50 tonnes    |

Saval has implemented a quality management system (under the ISO 9001:2018 standard) as part of its business strategy, with the aim of implementing, maintaining and continuously improving the management of our processes.

## MATERIALS

We work with different types of materials:

Bronze RG-10 / BrNiAl ●

Nodular Cast Iron EN-GJS-400-18-LT ●

Stainless steel AISI316 ●

Mild Steel GSC-25 / GP240-GH ●

\* Other materials on request.

We are aware of the importance of the correct choice of materials for the correct functioning and useful life of the system.

That is why our technical team will advise you on the most suitable materials for each service.

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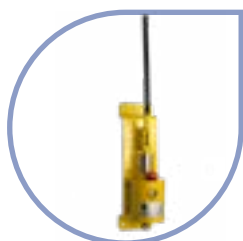
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## GLOBE VALVES

## GLOBE VALVE

Straight, SDNR Type. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13789 (DIN 86262 part 5).
- ◆ Face to face EN 558 Series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16      |
|                                              | Up to 225°C | 6,6    | 6,6     |

### MATERIALS

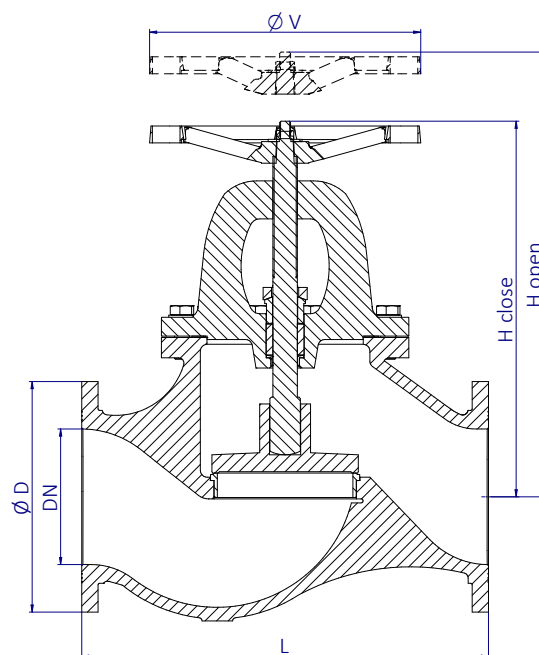
- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | TYPE | BODY/BONNET                 | SEAT                               | STEM                               | SCREWS          | HANDWHEEL |
|---------|------|-----------------------------|------------------------------------|------------------------------------|-----------------|-----------|
| GA-708  | SDNR | Bronze (Rg10)<br>(DIN 1705) | CuAl10Fe5Ni5<br>(EN 1982/DIN 1714) | CuAl10Fe5Ni5<br>(EN 1982/DIN 1714) | Stainless S. A4 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L    | Hc    | Ho     | ØV  | Weight | Code             |
|------|---------|-----|------|-------|--------|-----|--------|------------------|
| mm   | PN      | mm  | mm   | mm    | mm     | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 130  | 162   | 170    | 110 | 5      | SDGA708TABR16015 |
| 20   | 10/16   | 105 | 150  | 166   | 174    | 110 | 6      | SDGA708TABR16020 |
| 25   | 10/16   | 115 | 160  | 171   | 179    | 110 | 6,5    | SDGA708TABR16025 |
| 32   | 10/16   | 140 | 180  | 218,5 | 235,5  | 150 | 11,5   | SDGA708TABR16032 |
| 40   | 10/16   | 150 | 200  | 223   | 238,5  | 150 | 12     | SDGA708TABR16040 |
| 50   | 10/16   | 165 | 230  | 231   | 246,5  | 150 | 14,5   | SDGA708TABR16050 |
| 65   | 10/16   | 185 | 290  | 290   | 318,5  | 196 | 26,5   | SDGA708TABR16065 |
| 80   | 10/16   | 200 | 310  | 290   | 318,5  | 196 | 32,5   | SDGA708TABR16080 |
| 100  | 10/16   | 200 | 350  | 328   | 355,5  | 196 | 39     | SDGA708TABR16100 |
| 125  | 10/16   | 250 | 400  | 409   | 450,5  | 298 | 75     | SDGA708TABR16125 |
| 150  | 10/16   | 285 | 480  | 445   | 486,5  | 298 | 100,5  | SDGA708TABR16150 |
| 200  | 10      | 340 | 600  | 569,5 | 613    | 388 | 185    | SDGA708TABR10200 |
| 200  | 16      | 340 | 600  | 569,5 | 613    | 388 | 184,5  | SDGA708TABR16200 |
| 250  | 10      | 395 | 730  | 640   | 709,5  | 500 | 252    | SDGA708TABR10250 |
| 250  | 16      | 405 | 730  | 640   | 709,5  | 500 | 253,5  | SDGA708TABR16250 |
| 300* | 10      | 445 | 850  | 697   | 775    | 500 | 376,5  | SDGA708RDBR10300 |
| 350* | 10      | 505 | 980  | 778   | 860    | 600 | 519,5  | SDGA708RDBR10350 |
| 400* | 10      | 565 | 1100 | 915   | 1015,5 | 600 | 715    | SDGA708RDBR10400 |

\*Supplied with gearbox.





## GLOBE VALVE

Straight, SDNR Type. Mild Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13709 (DIN 86262 part 5).
- ◆ Face to face EN 558 Series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4    | 15      |
|                                              | Up to 225°C | 8      | 12,85   |

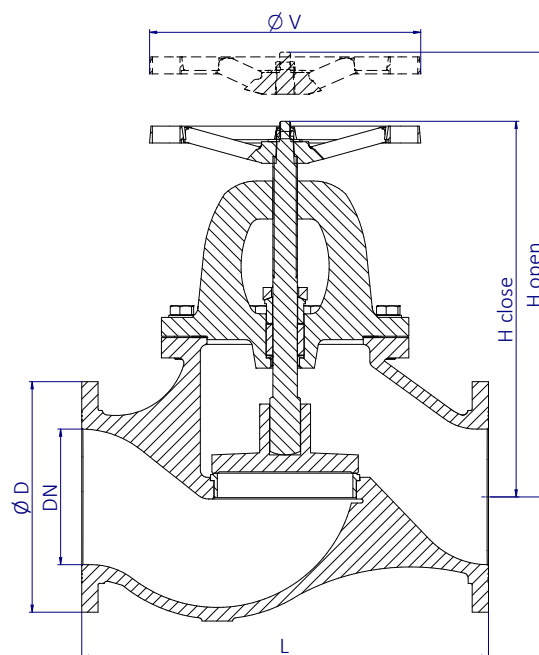
### MATERIALS

| DRAWING | TYPE | BODY/BONNET                            | SEAT                    | STEM                   | SCREWS         | HANDWHEEL |
|---------|------|----------------------------------------|-------------------------|------------------------|----------------|-----------|
| GA-200  | SDNR | Mild Steel (GS-C25) (EN10213/DIN17245) | Bronze (Rg5) (DIN 1705) | Brass (MS-58)          | Mild Steel 8.8 | Aluminium |
| GA-202  | SDNR | Mild Steel (GS-C25) (EN10213/DIN17245) | Stainless S. (AISI420)  | Stainless S. (AISI420) | Mild Steel 8.8 | Aluminium |
| GA-206  | SDNR | Mild Steel (GS-C25) (EN10213/DIN17245) | Stainless S. (AISI316)  | Stainless S. (AISI316) | Mild Steel 8.8 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L    | Hc    | Ho     | ØV  | Weight | Code            |
|------|---------|-----|------|-------|--------|-----|--------|-----------------|
| mm   | PN      | mm  | mm   | mm    | mm     | mm  | [kg]   | SAVAL           |
| 15   | 10/16   | 95  | 130  | 162   | 170    | 110 | 4,5    | SDGxxxTABR16015 |
| 20   | 10/16   | 105 | 150  | 166   | 174    | 110 | 5,5    | SDGxxxTABR16020 |
| 25   | 10/16   | 115 | 160  | 171   | 179    | 110 | 6      | SDGxxxTABR16025 |
| 32   | 10/16   | 140 | 180  | 218,5 | 235,5  | 150 | 10,5   | SDGxxxTABR16032 |
| 40   | 10/16   | 150 | 200  | 223   | 238,5  | 150 | 11     | SDGxxxTABR16040 |
| 50   | 10/16   | 165 | 230  | 231   | 246,5  | 150 | 13     | SDGxxxTABR16050 |
| 65   | 10/16   | 185 | 290  | 290   | 318,5  | 196 | 24,5   | SDGxxxTABR16065 |
| 80   | 10/16   | 200 | 310  | 290   | 318,5  | 196 | 29,5   | SDGxxxTABR16080 |
| 100  | 10/16   | 200 | 350  | 328   | 355,5  | 196 | 35,5   | SDGxxxTABR16100 |
| 125  | 10/16   | 250 | 400  | 409   | 450,5  | 298 | 68     | SDGxxxTABR16125 |
| 150  | 10/16   | 285 | 480  | 445   | 486,5  | 298 | 91     | SDGxxxTABR16150 |
| 200  | 10      | 340 | 600  | 569,5 | 613    | 388 | 168    | SDGxxxTABR10200 |
| 200  | 16      | 340 | 600  | 569,5 | 613    | 388 | 167,5  | SDGxxxTABR16200 |
| 250  | 10      | 395 | 730  | 640   | 709,5  | 500 | 229,5  | SDGxxxTABR10250 |
| 250  | 16      | 405 | 730  | 640   | 709,5  | 500 | 231    | SDGxxxTABR16250 |
| 300* | 10      | 445 | 850  | 697   | 775    | 500 | 343,5  | SDGxxxRDBR10300 |
| 350* | 10      | 505 | 980  | 778   | 860    | 600 | 473,5  | SDGxxxRDBR10350 |
| 400* | 10      | 565 | 1100 | 915   | 1015,5 | 600 | 651    | SDGxxxRDBR10400 |

\*Supplied with gearbox.  
xxx = drawing number



- ◆ Hydraulic tightness and seal test according to EN 12266-1.  
100% Valves tested.

## GLOBE VALVE

Straight, SDNR Type. Stainless Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13709 (DIN 86262 part 5).
- ◆ Face to face EN 558 Series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 15-250 |       | 300-400 |
|----------------------------------------------|-------------|--------|-------|---------|
| Nominal pressure                             | PN          | 10     | 16    | 10      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5    | 15,2  | 9,5     |
|                                              | Up to 225°C | 7,3    | 11,65 | 7,3     |

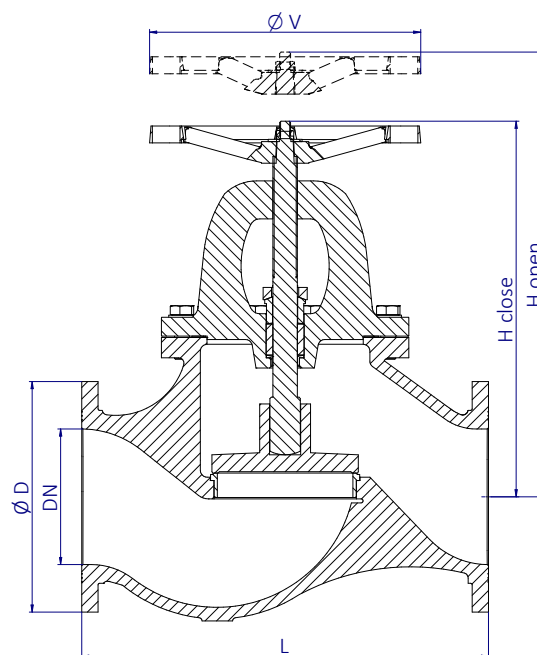
### MATERIALS

| DRAWING | TYPE | BODY/BONNET                             | SEAT                      | STEM                      | SCREWS          | HANDWHEEL |
|---------|------|-----------------------------------------|---------------------------|---------------------------|-----------------|-----------|
| GA-606  | SDNR | Stainless S. A316<br>(EN10088/DIN17440) | Stainless S.<br>(AISI316) | Stainless S.<br>(AISI316) | Stainless S. A4 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L    | Hc    | Ho     | ØV  | Weight | Code             |
|------|---------|-----|------|-------|--------|-----|--------|------------------|
| mm   | PN      | mm  | mm   | mm    | mm     | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 130  | 162   | 170    | 110 | 4,5    | SDGA606TABR16015 |
| 20   | 10/16   | 105 | 150  | 166   | 174    | 110 | 5,5    | SDGA606TABR16020 |
| 25   | 10/16   | 115 | 160  | 171   | 179    | 110 | 6      | SDGA606TABR16025 |
| 32   | 10/16   | 140 | 180  | 218,5 | 235,5  | 150 | 10,5   | SDGA606TABR16032 |
| 40   | 10/16   | 150 | 200  | 223   | 238,5  | 150 | 11     | SDGA606TABR16040 |
| 50   | 10/16   | 165 | 230  | 231   | 246,5  | 150 | 13,5   | SDGA606TABR16050 |
| 65   | 10/16   | 185 | 290  | 290   | 318,5  | 196 | 24,5   | SDGA606TABR16065 |
| 80   | 10/16   | 200 | 310  | 290   | 318,5  | 196 | 30     | SDGA606TABR16080 |
| 100  | 10/16   | 200 | 350  | 328   | 355,5  | 196 | 36     | SDGA606TABR16100 |
| 125  | 10/16   | 250 | 400  | 409   | 450,5  | 298 | 69     | SDGA606TABR16125 |
| 150  | 10/16   | 285 | 480  | 445   | 486,5  | 298 | 92     | SDGA606TABR16150 |
| 200  | 10      | 340 | 600  | 569,5 | 613    | 388 | 170,5  | SDGA606TABR10200 |
| 200  | 16      | 340 | 600  | 569,5 | 613    | 388 | 170    | SDGA606TABR16200 |
| 250  | 10      | 395 | 730  | 640   | 709,5  | 500 | 232,5  | SDGA606TABR10250 |
| 250  | 16      | 405 | 730  | 640   | 709,5  | 500 | 234    | SDGA606TABR16250 |
| 300* | 10      | 445 | 850  | 697   | 775    | 500 | 347,5  | SDGA606RDBR10300 |
| 350* | 10      | 505 | 980  | 778   | 860    | 600 | 480    | SDGA606RDBR10350 |
| 400* | 10      | 565 | 1100 | 915   | 1015,5 | 600 | 660,5  | SDGA606RDBR10400 |

\*Supplied with gearbox.



- ◆ Hydraulic tightness and seal test according to EN 12266-1.  
100% Valves tested.

## GLOBE VALVE

Straight, SDNR Type. Nodular Cast Iron PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13789 (DIN 3356 part 5).
- ◆ Face to face EN 558 Series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

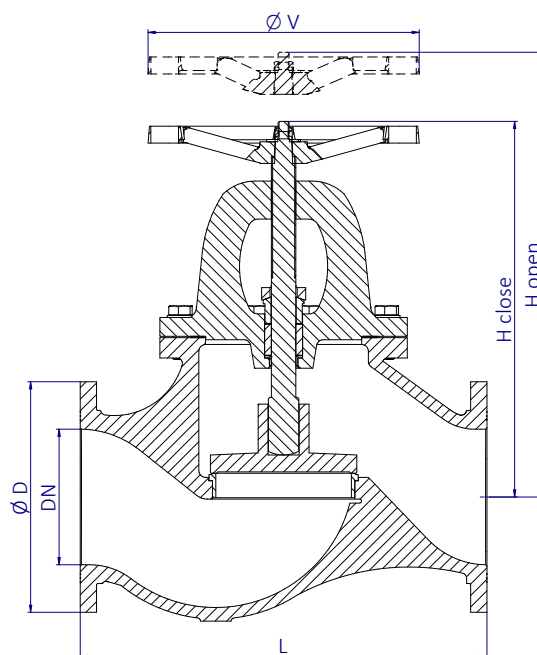
- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16      |
|                                              | Up to 225°C | 8,95   | 8,95    |



### MATERIALS

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | TYPE | BODY/BONNET                      | SEAT                    | STEM                   | SCREWS         | HANDWHEEL |
|---------|------|----------------------------------|-------------------------|------------------------|----------------|-----------|
| GA-400  | SDNR | Nodular Cast Iron (GJS400-18-LT) | Bronze (Rg5) (DIN 1705) | Brass (MS-58)          | Mild Steel 8.8 | Aluminium |
| GA-402  | SDNR | Nodular Cast Iron (GJS400-18-LT) | Stainless S. (AISI420)  | Stainless S. (AISI420) | Mild Steel 8.8 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L    | Hc    | Ho     | ØV  | Weight | Code             |
|------|---------|-----|------|-------|--------|-----|--------|------------------|
| mm   | PN      | mm  | mm   | mm    | mm     | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 130  | 162   | 170    | 110 | 4      | SDGAXxxTABR16015 |
| 20   | 10/16   | 105 | 150  | 166   | 174    | 110 | 5      | SDGAXxxTABR16020 |
| 25   | 10/16   | 115 | 160  | 171   | 179    | 110 | 5,5    | SDGAXxxTABR16025 |
| 32   | 10/16   | 140 | 180  | 218,5 | 235,5  | 150 | 10     | SDGAXxxTABR16032 |
| 40   | 10/16   | 150 | 200  | 223   | 238,5  | 150 | 10,5   | SDGAXxxTABR16040 |
| 50   | 10/16   | 165 | 230  | 231   | 246,5  | 150 | 12,5   | SDGAXxxTABR16050 |
| 65   | 10/16   | 185 | 290  | 290   | 318,5  | 196 | 23     | SDGAXxxTABR16065 |
| 80   | 10/16   | 200 | 310  | 290   | 318,5  | 196 | 27,5   | SDGAXxxTABR16080 |
| 100  | 10/16   | 200 | 350  | 328   | 355,5  | 196 | 33,5   | SDGAXxxTABR16100 |
| 125  | 10/16   | 250 | 400  | 409   | 450,5  | 298 | 64     | SDGAXxxTABR16125 |
| 150  | 10/16   | 285 | 480  | 445   | 486,5  | 298 | 85,5   | SDGAXxxTABR16150 |
| 200  | 10      | 340 | 600  | 569,5 | 613    | 388 | 156    | SDGAXxxTABR10200 |
| 200  | 16      | 340 | 600  | 569,5 | 613    | 388 | 157,5  | SDGAXxxTABR16200 |
| 250  | 10      | 395 | 730  | 640   | 709,5  | 500 | 215,5  | SDGAXxxTABR10250 |
| 250  | 16      | 405 | 730  | 640   | 709,5  | 500 | 271,5  | SDGAXxxTABR16250 |
| 300* | 10      | 445 | 850  | 697   | 775    | 500 | 323    | SDGAXxxRDBR10300 |
| 350* | 10      | 505 | 980  | 778   | 860    | 600 | 445    | SDGAXxxRDBR10350 |
| 400* | 10      | 565 | 1100 | 915   | 1015,5 | 600 | 612    | SDGAXxxRDBR10400 |

\*Supplied with gearbox.  
xxx = drawing number



## GLOBE VALVE

Angle, SDNR Type. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13789 (DIN 86262 part 5).
- ◆ Face to face EN 558 Series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16      |
|                                              | Up to 225°C | 6,6    | 6,6     |

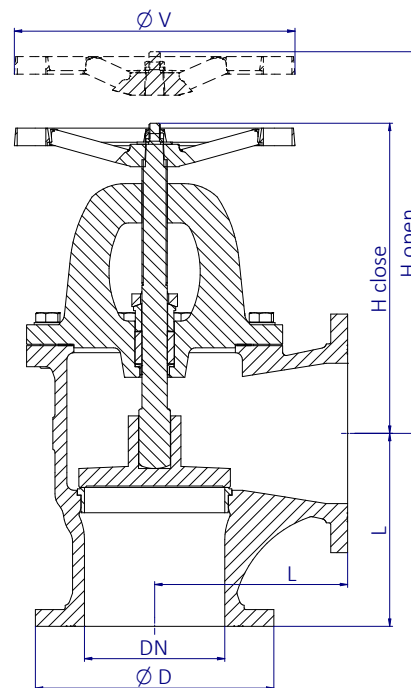
### MATERIALS

| DRAWING | TYPE | BODY/BONNET                 | SEAT                               | STEM                               | SCREWS          | HANDWHEEL |
|---------|------|-----------------------------|------------------------------------|------------------------------------|-----------------|-----------|
| GA-718  | SDNR | Bronze (Rg10)<br>(DIN 1705) | CuAl10Fe5Ni5<br>(EN 1982/DIN 1714) | CuAl10Fe5Ni5<br>(EN 1982/DIN 1714) | Stainless S. A4 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L   | Hc    | Ho    | ØV  | Weight | Code             |
|------|---------|-----|-----|-------|-------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm    | mm    | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 75  | 151,5 | 159,5 | 110 | 5      | SDGA718TABR16015 |
| 20   | 10/16   | 105 | 85  | 148   | 156   | 110 | 5,5    | SDGA718TABR16020 |
| 25   | 10/16   | 115 | 90  | 145,5 | 153,5 | 110 | 6      | SDGA718TABR16025 |
| 32   | 10/16   | 140 | 105 | 197   | 214,5 | 150 | 11     | SDGA718TABR16032 |
| 40   | 10/16   | 150 | 115 | 195   | 210,5 | 150 | 12     | SDGA718TABR16040 |
| 50   | 10/16   | 165 | 125 | 195   | 210,5 | 150 | 14     | SDGA718TABR16050 |
| 65   | 10/16   | 185 | 145 | 241   | 267,5 | 196 | 25     | SDGA718TABR16065 |
| 80   | 10/16   | 200 | 155 | 243   | 271,5 | 196 | 27     | SDGA718TABR16080 |
| 100  | 10/16   | 200 | 175 | 266,5 | 293,5 | 196 | 35,5   | SDGA718TABR16100 |
| 125  | 10/16   | 250 | 200 | 336   | 377,5 | 298 | 62,5   | SDGA718TABR16125 |
| 150  | 10/16   | 285 | 225 | 355   | 404,5 | 298 | 78     | SDGA718TABR16150 |
| 200  | 10      | 340 | 275 | 435   | 488   | 388 | 156    | SDGA718TABR10200 |
| 200  | 16      | 340 | 275 | 435   | 488   | 388 | 155    | SDGA718TABR16200 |
| 250  | 10      | 395 | 325 | 512   | 571   | 500 | 249,5  | SDGA718TABR10250 |
| 250  | 16      | 405 | 325 | 512   | 571   | 500 | 251,5  | SDGA718TABR16250 |
| 300* | 10      | 445 | 375 | 553   | 635   | 500 | 289    | SDGA718RDBR10300 |
| 350* | 10      | 505 | 425 | 606   | 706   | 600 | 410    | SDGA718RDBR10350 |
| 400* | 10      | 565 | 475 | 728   | 828,5 | 600 | 597    | SDGA718RDBR10400 |

\*Supplied with gearbox.



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

## GLOBE VALVE

Angle, SDNR Type. Mild Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13709 (DIN 86262 part 5).
- ◆ Face to face EN 558 Series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

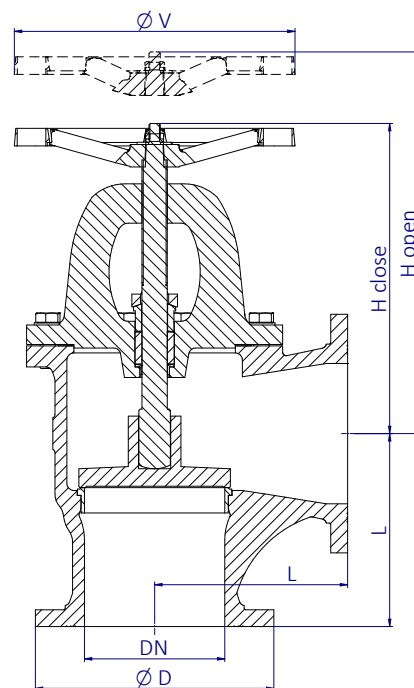
- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4    | 15      |
|                                              | Up to 225°C | 8      | 12,85   |



### MATERIALS

- ◆ Hydraulic tightness and seal test according to EN 12266-1.  
100% Valves tested.

| DRAWING | TYPE | BODY/BONNET                               | SEAT                       | STEM                      | SCREWS         | HANDWHEEL |
|---------|------|-------------------------------------------|----------------------------|---------------------------|----------------|-----------|
| GA-210  | SDNR | Mild Steel (GS-C25)<br>(EN10213/DIN17245) | Bronze (Rg5)<br>(DIN 1705) | Brass<br>(MS-58)          | Mild Steel 8.8 | Aluminium |
| GA-212  | SDNR | Mild Steel (GS-C25)<br>(EN10213/DIN17245) | Stainless S.<br>(AISI420)  | Stainless S.<br>(AISI420) | Mild Steel 8.8 | Aluminium |
| GA-216  | SDNR | Mild Steel (GS-C25)<br>(EN10213/DIN17245) | Stainless S.<br>(AISI316)  | Stainless S.<br>(AISI316) | Mild Steel 8.8 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L   | Hc    | Ho    | ØV  | Weight | Code            |
|------|---------|-----|-----|-------|-------|-----|--------|-----------------|
| mm   | PN      | mm  | mm  | mm    | mm    | mm  | [kg]   | SAVAL           |
| 15   | 10/16   | 95  | 75  | 151,5 | 159,5 | 110 | 4,5    | SDGxxxTABR16015 |
| 20   | 10/16   | 105 | 85  | 148   | 156   | 110 | 5      | SDGxxxTABR16020 |
| 25   | 10/16   | 115 | 90  | 145,5 | 153,5 | 110 | 5,5    | SDGxxxTABR16025 |
| 32   | 10/16   | 140 | 105 | 197   | 214,5 | 150 | 10     | SDGxxxTABR16032 |
| 40   | 10/16   | 150 | 115 | 195   | 210,5 | 150 | 11     | SDGxxxTABR16040 |
| 50   | 10/16   | 165 | 125 | 195   | 210,5 | 150 | 13     | SDGxxxTABR16050 |
| 65   | 10/16   | 185 | 145 | 241   | 267,5 | 196 | 23     | SDGxxxTABR16065 |
| 80   | 10/16   | 200 | 155 | 243   | 271,5 | 196 | 26     | SDGxxxTABR16080 |
| 100  | 10/16   | 200 | 175 | 266,5 | 293,5 | 196 | 32,5   | SDGxxxTABR16100 |
| 125  | 10/16   | 250 | 200 | 336   | 377,5 | 298 | 57     | SDGxxxTABR16125 |
| 150  | 10/16   | 285 | 225 | 355   | 404,5 | 298 | 71     | SDGxxxTABR16150 |
| 200  | 10      | 340 | 275 | 435   | 488   | 388 | 142    | SDGxxxTABR10200 |
| 200  | 16      | 340 | 275 | 435   | 488   | 388 | 141    | SDGxxxTABR16200 |
| 250  | 10      | 395 | 325 | 512   | 571   | 500 | 227,5  | SDGxxxTABR10250 |
| 250  | 16      | 405 | 325 | 512   | 571   | 500 | 229    | SDGxxxTABR16250 |
| 300* | 10      | 445 | 375 | 553   | 635   | 500 | 264    | SDGxxxRDBR10300 |
| 350* | 10      | 505 | 425 | 606   | 706   | 600 | 374,5  | SDGxxxRDBR10350 |
| 400* | 10      | 565 | 475 | 728   | 828,5 | 600 | 545    | SDGxxxRDBR10400 |

\*Supplied with gearbox.  
xxx = drawing number

## GLOBE VALVE

Angle, SDNR Type. Stainless Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13709 (DIN 86262 part 5).
- ◆ Face to face EN 558 Series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5    | 15,2    |
|                                              | Up to 225°C | 7,3    | 11,65   |

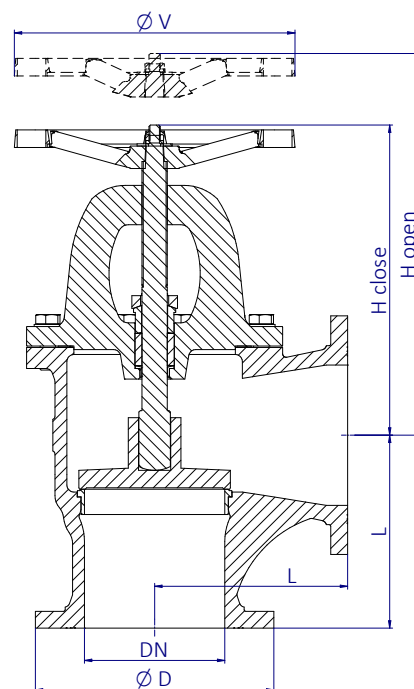
### MATERIALS

| DRAWING | TYPE | BODY/BONNET                             | SEAT                      | STEM                      | SCREWS          | HANDWHEEL |
|---------|------|-----------------------------------------|---------------------------|---------------------------|-----------------|-----------|
| GA-616  | SDNR | Stainless S. A316<br>(EN10088/DIN17440) | Stainless S.<br>(AISI316) | Stainless S.<br>(AISI316) | Stainless S. A4 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L   | Hc    | Ho    | ØV  | Weight | Code             |
|------|---------|-----|-----|-------|-------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm    | mm    | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 75  | 151,5 | 159,5 | 110 | 4,5    | SDGA616TABR16015 |
| 20   | 10/16   | 105 | 85  | 148   | 156   | 110 | 5      | SDGA616TABR16020 |
| 25   | 10/16   | 115 | 90  | 145,5 | 153,5 | 110 | 5,5    | SDGA616TABR16025 |
| 32   | 10/16   | 140 | 105 | 197   | 214,5 | 150 | 10     | SDGA616TABR16032 |
| 40   | 10/16   | 150 | 115 | 195   | 210,5 | 150 | 11     | SDGA616TABR16040 |
| 50   | 10/16   | 165 | 125 | 195   | 210,5 | 150 | 13     | SDGA616TABR16050 |
| 65   | 10/16   | 185 | 145 | 241   | 267,5 | 196 | 23     | SDGA616TABR16065 |
| 80   | 10/16   | 200 | 155 | 243   | 271,5 | 196 | 26,5   | SDGA616TABR16080 |
| 100  | 10/16   | 200 | 175 | 266,5 | 293,5 | 196 | 33     | SDGA616TABR16100 |
| 125  | 10/16   | 250 | 200 | 336   | 377,5 | 298 | 58     | SDGA616TABR16125 |
| 150  | 10/16   | 285 | 225 | 355   | 404,5 | 298 | 72     | SDGA616TABR16150 |
| 200  | 10      | 340 | 275 | 435   | 488   | 388 | 144    | SDGA616TABR10200 |
| 200  | 16      | 340 | 275 | 435   | 488   | 388 | 143    | SDGA616TABR16200 |
| 250  | 10      | 395 | 325 | 512   | 571   | 500 | 230    | SDGA616TABR10250 |
| 250  | 16      | 405 | 325 | 512   | 571   | 500 | 232    | SDGA616TABR16250 |
| 300* | 10      | 445 | 375 | 553   | 635   | 500 | 268    | SDGA616RDBR10300 |
| 350* | 10      | 505 | 425 | 606   | 706   | 600 | 380    | SDGA616RDBR10350 |
| 400* | 10      | 565 | 475 | 728   | 828,5 | 600 | 553    | SDGA616RDBR10400 |

\*Supplied with gearbox.



- ◆ Hydraulic tightness and seal test according to EN 12266-1.  
100% Valves tested.

## GLOBE VALVE

Angle, SDNR Type. Nodular Cast Iron PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13789 (DIN 86262 part 5).
- ◆ Face to face EN 558 Series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

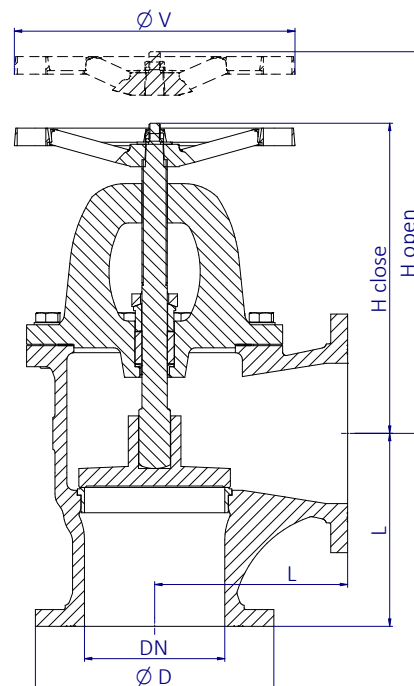
### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16      |
|                                              | Up to 225°C | 8,95   | 8,95    |

### MATERIALS

| DRAWING | TYPE | BODY/BONNET                               | SEAT                    | STEM                   | SCREWS         | HANDWHEEL |
|---------|------|-------------------------------------------|-------------------------|------------------------|----------------|-----------|
| GA-410  | SDNR | Nodular Cast Iron (GJS400-18-LT)(EN 1563) | Bronze (Rg5) (DIN 1705) | Brass (MS-58)          | Mild Steel 8.8 | Aluminium |
| GA-412  | SDNR | Nodular Cast Iron (GJS400-18-LT)(EN 1563) | Stainless S. (AISI420)  | Stainless S. (AISI420) | Mild Steel 8.8 | Aluminium |

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.



### DIMENSIONS

| DN   | Flanges | ØD  | L   | Hc    | Ho    | ØV  | Weight | Code             |
|------|---------|-----|-----|-------|-------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm    | mm    | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 75  | 151,5 | 159,5 | 110 | 4      | SDGAxxxTABR16015 |
| 20   | 10/16   | 105 | 85  | 148   | 156   | 110 | 4,5    | SDGAxxxTABR16020 |
| 25   | 10/16   | 115 | 90  | 145,5 | 153,5 | 110 | 5      | SDGAxxxTABR16025 |
| 32   | 10/16   | 140 | 105 | 197   | 214,5 | 150 | 9,5    | SDGAxxxTABR16032 |
| 40   | 10/16   | 150 | 115 | 195   | 210,5 | 150 | 10,5   | SDGAxxxTABR16040 |
| 50   | 10/16   | 165 | 125 | 195   | 210,5 | 150 | 12     | SDGAxxxTABR16050 |
| 65   | 10/16   | 185 | 145 | 241   | 267,5 | 196 | 21,5   | SDGAxxxTABR16065 |
| 80   | 10/16   | 200 | 155 | 243   | 271,5 | 196 | 24,5   | SDGAxxxTABR16080 |
| 100  | 10/16   | 200 | 175 | 266,5 | 293,5 | 196 | 30,5   | SDGAxxxTABR16100 |
| 125  | 10/16   | 250 | 200 | 336   | 377,5 | 298 | 54     | SDGAxxxTABR16125 |
| 150  | 10/16   | 285 | 225 | 355   | 404,5 | 298 | 67     | SDGAxxxTABR16150 |
| 200  | 10      | 340 | 275 | 435   | 488   | 388 | 133,5  | SDGAxxxTABR10200 |
| 200  | 16      | 340 | 275 | 435   | 488   | 388 | 133    | SDGAxxxTABR16200 |
| 250  | 10      | 395 | 325 | 512   | 571   | 500 | 214    | SDGAxxxTABR10250 |
| 250  | 16      | 405 | 325 | 512   | 571   | 500 | 215,5  | SDGAxxxTABR16250 |
| 300* | 10      | 445 | 375 | 553   | 635   | 500 | 259    | SDGAxxxRDBR10300 |
| 350* | 10      | 505 | 425 | 606   | 706   | 600 | 335    | SDGAxxxRDBR10350 |
| 400* | 10      | 565 | 475 | 728   | 828,5 | 600 | 513    | SDGAxxxRDBR10400 |

\*Supplied with gearbox.  
xxx = drawing number



## GLOBE VALVE

Straight, Stop Type. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ DIN 13789 (DIN3356 part 5).
- ◆ Face to face EN 558 Series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

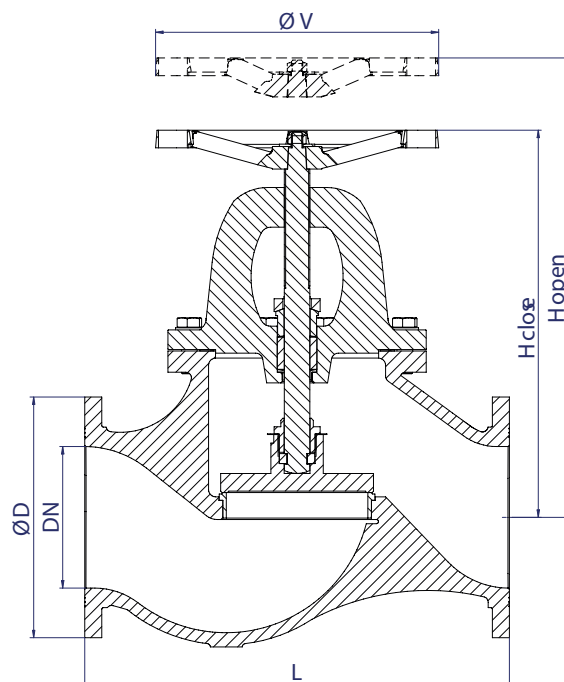
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16      |
|                                              | Up to 225°C | 6,6    | 6,6     |

### MATERIALS

| DRAWING | TYPE | BODY/BONNET                 | SEAT                               | STEM                               | SCREWS          | HANDWHEEL |
|---------|------|-----------------------------|------------------------------------|------------------------------------|-----------------|-----------|
| G-708   | Stop | Bronze (Rg10)<br>(DIN 1705) | CuAl10Fe5Ni5<br>(EN 1982/DIN 1714) | CuAl10Fe5Ni5<br>(EN 1982/DIN 1714) | Stainless S. A4 | Aluminium |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

### DIMENSIONS

| DN   | Flanges | ØD  | L    | Hc    | Ho    | ØV  | Weight | Code             |
|------|---------|-----|------|-------|-------|-----|--------|------------------|
| mm   | PN      | mm  | mm   | mm    | mm    | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 130  | 162   | 170   | 110 | 5      | SDGL708TABR16015 |
| 20   | 10/16   | 105 | 150  | 166   | 174   | 110 | 6      | SDGL708TABR16020 |
| 25   | 10/16   | 115 | 160  | 171   | 179   | 110 | 6,5    | SDGL708TABR16025 |
| 32   | 10/16   | 140 | 180  | 218,5 | 235,5 | 150 | 11,5   | SDGL708TABR16032 |
| 40   | 10/16   | 150 | 200  | 223   | 238,5 | 150 | 12     | SDGL708TABR16040 |
| 50   | 10/16   | 165 | 230  | 231   | 246,5 | 150 | 14,5   | SDGL708TABR16050 |
| 65   | 10/16   | 185 | 290  | 290   | 318,5 | 196 | 26,5   | SDGL708TABR16065 |
| 80   | 10/16   | 200 | 310  | 290   | 318,5 | 196 | 32     | SDGL708TABR16080 |
| 100  | 10/16   | 200 | 350  | 328   | 355,5 | 196 | 39,5   | SDGL708TABR16100 |
| 125  | 10/16   | 250 | 400  | 409   | 450,5 | 298 | 74,5   | SDGL708TABR16125 |
| 150  | 10/16   | 285 | 480  | 445   | 486,5 | 298 | 100    | SDGL708TABR16150 |
| 200  | 10      | 340 | 600  | 559,5 | 610,5 | 388 | 184,5  | SDGL708TABR10200 |
| 200  | 16      | 340 | 600  | 559,5 | 610,5 | 388 | 184    | SDGL708TABR16200 |
| 250  | 10      | 395 | 730  | 633   | 691,5 | 500 | 263    | SDGL708TABR10250 |
| 250  | 16      | 405 | 730  | 633   | 691,5 | 500 | 265    | SDGL708TABR16250 |
| 300* | 10      | 445 | 850  | 705,5 | 787   | 500 | 390    | SDGL708RDBR10300 |
| 350* | 10      | 505 | 980  | 787   | 875,5 | 600 | 516,5  | SDGL708RDBR10350 |
| 400* | 10      | 565 | 1100 | 898   | 1007  | 600 | 712    | SDGL708RDBR10400 |

\*Supplied with gearbox.

## GLOBE VALVE

Straight, Stop Type. Mild Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ DIN 13709 (DIN3356 part 5).
- ◆ Face to face EN 558 Series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092 (DIN 2633)

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

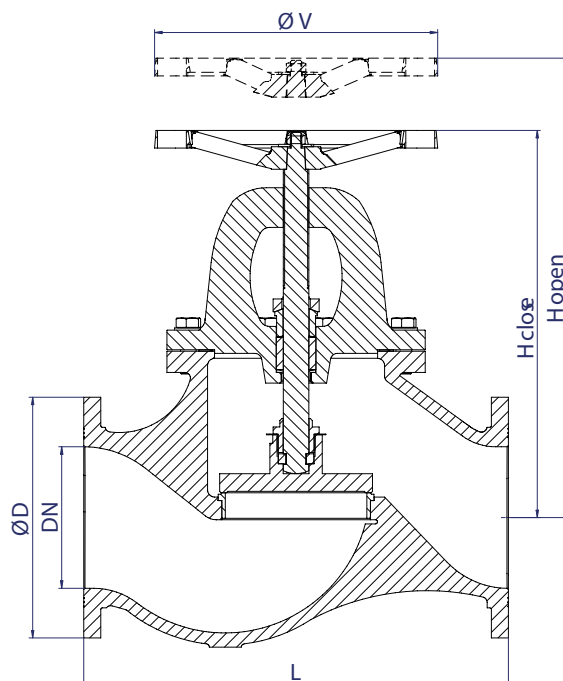
### WORKING CONDITIONS

| Size                                         | DN          | 15-250 |       | 300-400 |
|----------------------------------------------|-------------|--------|-------|---------|
| nominal pressure                             | PN          | 10     | 16    | 10      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4    | 15    | 9,4     |
|                                              | Up to 225°C | 8      | 12,85 | 8       |

### MATERIALS

| DRAWING | TYPE | BODY/BONNET                               | SEAT                       | STEM                      | SCREWS         | HANDWHEEL |
|---------|------|-------------------------------------------|----------------------------|---------------------------|----------------|-----------|
| G-200   | Stop | Mild Steel (GS-C25)<br>(EN10213/DIN17245) | Bronze (Rg5)<br>(DIN 1705) | Brass<br>(MS-58)          | Mild Steel 8.8 | Aluminium |
| G-202   | Stop | Mild Steel (GS-C25)<br>(EN10213/DIN17245) | Stainless S.<br>(AISI420)  | Stainless S.<br>(AISI420) | Mild Steel 8.8 | Aluminium |
| G-206   | Stop | Mild Steel (GS-C25)<br>(EN10213/DIN17245) | Stainless S.<br>(AISI316)  | Stainless S.<br>(AISI316) | Mild Steel 8.8 | Aluminium |

- ◆ Hydraulic tightness and sealing test according to EN 12266-1.  
100% Valves tested.



### DIMENSIONS

| DN   | Flanges | ØD  | L    | Hc    | Ho    | ØV  | Weight | Code             |
|------|---------|-----|------|-------|-------|-----|--------|------------------|
| mm   | PN      | mm  | mm   | mm    | mm    | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 130  | 162   | 170   | 110 | 4,5    | SDGLxxxTABR16015 |
| 20   | 10/16   | 105 | 150  | 166   | 174   | 110 | 5,5    | SDGLxxxTABR16020 |
| 25   | 10/16   | 115 | 160  | 171   | 179   | 110 | 6      | SDGLxxxTABR16025 |
| 32   | 10/16   | 140 | 180  | 218,5 | 235,5 | 150 | 10,5   | SDGLxxxTABR16032 |
| 40   | 10/16   | 150 | 200  | 223   | 238,5 | 150 | 11     | SDGLxxxTABR16040 |
| 50   | 10/16   | 165 | 230  | 231   | 246,5 | 150 | 13     | SDGLxxxTABR16050 |
| 65   | 10/16   | 185 | 290  | 290   | 318,5 | 196 | 24,5   | SDGLxxxTABR16065 |
| 80   | 10/16   | 200 | 310  | 290   | 318,5 | 196 | 29     | SDGLxxxTABR16080 |
| 100  | 10/16   | 200 | 350  | 328   | 355,5 | 196 | 36     | SDGLxxxTABR16100 |
| 125  | 10/16   | 250 | 400  | 409   | 450,5 | 298 | 68     | SDGLxxxTABR16125 |
| 150  | 10/16   | 285 | 480  | 445   | 486,5 | 298 | 91     | SDGLxxxTABR16150 |
| 200  | 10      | 340 | 600  | 559,5 | 610,5 | 388 | 167,5  | SDGLxxxTABR10200 |
| 200  | 16      | 340 | 600  | 559,5 | 610,5 | 388 | 167    | SDGLxxxTABR16200 |
| 250  | 10      | 395 | 730  | 633   | 691,5 | 500 | 241    | SDGLxxxTABR10250 |
| 250  | 16      | 405 | 730  | 633   | 691,5 | 500 | 242,5  | SDGLxxxTABR16250 |
| 300* | 10      | 445 | 850  | 705,5 | 787   | 500 | 356,5  | SDGLxxxRDBR10300 |
| 350* | 10      | 505 | 980  | 787   | 875,5 | 600 | 470,5  | SDGLxxxRDBR10350 |
| 400* | 10      | 565 | 1100 | 898   | 1007  | 600 | 648    | SDGLxxxRDBR10400 |

\*Supplied with gearbox.  
xxx = drawing number

## GLOBE VALVE

Straight, Stop Type. Stainless Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ DIN 13709 (DIN3356 part 5).
- ◆ Face to face EN 558 Series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

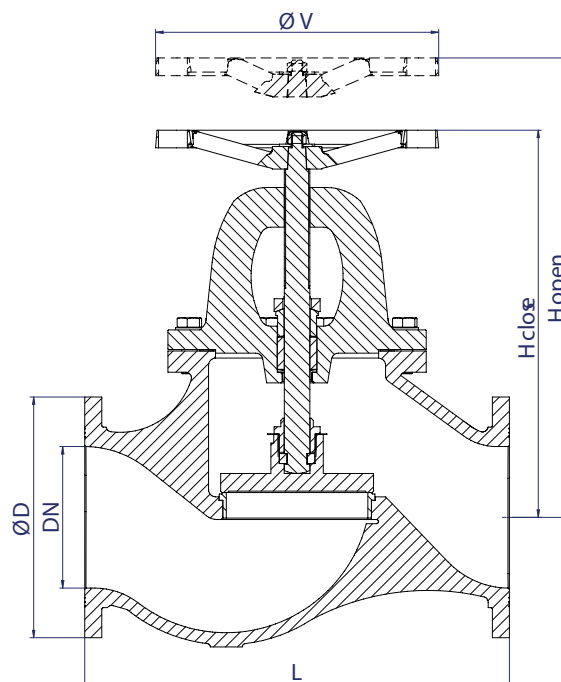
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 15-250 |       | 300-400 |
|----------------------------------------------|-------------|--------|-------|---------|
| Nominal pressure                             | PN          | 10     | 16    | 10      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5    | 15,2  | 9,5     |
|                                              | Up to 225°C | 7,3    | 11,65 | 7,3     |

### MATERIALS

| DRAWING | TYPE | BODY/BONNET                             | SEAT                      | STEM                      | SCREWS          | HANDWHEEL |
|---------|------|-----------------------------------------|---------------------------|---------------------------|-----------------|-----------|
| G-606   | Stop | Stainless S. A316<br>(EN10088/DIN17440) | Stainless S.<br>(AISI316) | Stainless S.<br>(AISI316) | Stainless S. A4 | Aluminium |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

### DIMENSIONS

| DN   | Flanges | ØD  | L    | Hc    | Ho    | ØV  | Weight | Code             |
|------|---------|-----|------|-------|-------|-----|--------|------------------|
| mm   | PN      | mm  | mm   | mm    | mm    | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 130  | 162   | 170   | 110 | 4,5    | SDGL606TABR16015 |
| 20   | 10/16   | 105 | 150  | 166   | 174   | 110 | 5,5    | SDGL606TABR16020 |
| 25   | 10/16   | 115 | 160  | 171   | 179   | 110 | 6      | SDGL606TABR16025 |
| 32   | 10/16   | 140 | 180  | 218,5 | 235,5 | 150 | 10,5   | SDGL606TABR16032 |
| 40   | 10/16   | 150 | 200  | 223   | 238,5 | 150 | 11     | SDGL606TABR16040 |
| 50   | 10/16   | 165 | 230  | 231   | 246,5 | 150 | 13     | SDGL606TABR16050 |
| 65   | 10/16   | 185 | 290  | 290   | 318,5 | 196 | 24,5   | SDGL606TABR16065 |
| 80   | 10/16   | 200 | 310  | 290   | 318,5 | 196 | 30     | SDGL606TABR16080 |
| 100  | 10/16   | 200 | 350  | 328   | 355,5 | 196 | 36     | SDGL606TABR16100 |
| 125  | 10/16   | 250 | 400  | 409   | 450,5 | 298 | 69     | SDGL606TABR16125 |
| 150  | 10/16   | 285 | 480  | 445   | 486,5 | 298 | 91     | SDGL606TABR16150 |
| 200  | 10      | 340 | 600  | 559,5 | 610,5 | 388 | 170    | SDGL606TABR10200 |
| 200  | 16      | 340 | 600  | 559,5 | 610,5 | 388 | 169    | SDGL606TABR16200 |
| 250  | 10      | 395 | 730  | 633   | 691,5 | 500 | 244    | SDGL606TABR10250 |
| 250  | 16      | 405 | 730  | 633   | 691,5 | 500 | 245,5  | SDGL606TABR16250 |
| 300* | 10      | 445 | 850  | 705,5 | 787   | 500 | 361    | SDGL606RDBR10300 |
| 350* | 10      | 505 | 980  | 787   | 875,5 | 600 | 477    | SDGL606RDBR10350 |
| 400* | 10      | 565 | 1100 | 898   | 1007  | 600 | 657    | SDGL606RDBR10400 |

\*Supplied with gearbox.

## GLOBE VALVE

Straight, Stop Type. Nodular Cast Iron PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ DIN 13789 (DIN3356 part 5).
- ◆ Face to face EN 558 Series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

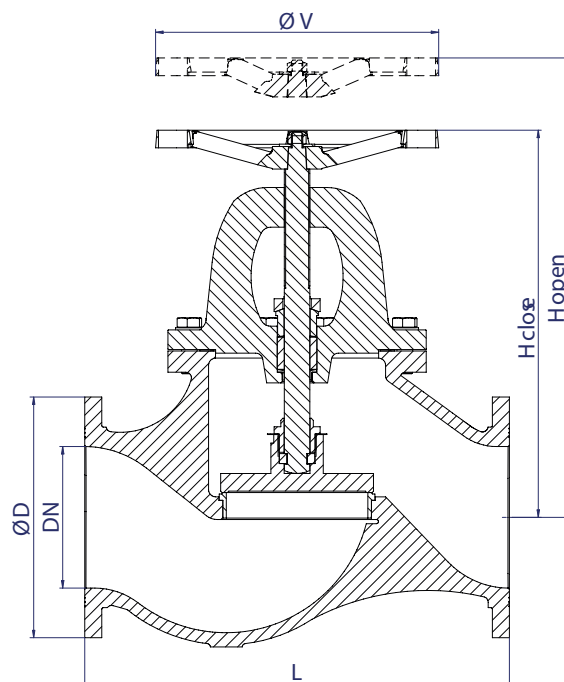
### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16      |
|                                              | Up to 225°C | 8,95   | 8,95    |

### MATERIALS

| DRAWING | TYPE | BODY/BONNET                      | SEAT                    | STEM                   | SCREWS         | HANDWHEEL |
|---------|------|----------------------------------|-------------------------|------------------------|----------------|-----------|
| G-400   | Stop | Nodular Cast Iron (GJS400-18-LT) | Bronze (Rg5) (DIN 1705) | Brass (MS-58)          | Mild Steel 8.8 | Aluminium |
| G-402   | Stop | Nodular Cast Iron (GJS400-18-LT) | Stainless S. (AISI420)  | Stainless S. (AISI420) | Mild Steel 8.8 | Aluminium |

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.



### DIMENSIONS

| DN   | Flanges | ØD  | L    | Hc    | Ho    | ØV  | Weight | Code             |
|------|---------|-----|------|-------|-------|-----|--------|------------------|
| mm   | PN      | mm  | mm   | mm    | mm    | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 130  | 162   | 170   | 110 | 4      | SDGLxxxTABR16015 |
| 20   | 10/16   | 105 | 150  | 166   | 174   | 110 | 5      | SDGLxxxTABR16020 |
| 25   | 10/16   | 115 | 160  | 171   | 179   | 110 | 5,5    | SDGLxxxTABR16025 |
| 32   | 10/16   | 140 | 180  | 218,5 | 235,5 | 150 | 10     | SDGLxxxTABR16032 |
| 40   | 10/16   | 150 | 200  | 223   | 238,5 | 150 | 10     | SDGLxxxTABR16040 |
| 50   | 10/16   | 165 | 230  | 231   | 246,5 | 150 | 12,5   | SDGLxxxTABR16050 |
| 65   | 10/16   | 185 | 290  | 290   | 318,5 | 196 | 23     | SDGLxxxTABR16065 |
| 80   | 10/16   | 200 | 310  | 290   | 318,5 | 196 | 27,5   | SDGLxxxTABR16080 |
| 100  | 10/16   | 200 | 350  | 328   | 355,5 | 196 | 33,5   | SDGLxxxTABR16100 |
| 125  | 10/16   | 250 | 400  | 409   | 450,5 | 298 | 64     | SDGLxxxTABR16125 |
| 150  | 10/16   | 285 | 480  | 445   | 486,5 | 298 | 85     | SDGLxxxTABR16150 |
| 200  | 10      | 340 | 600  | 559,5 | 610,5 | 388 | 157    | SDGLxxxTABR10200 |
| 200  | 16      | 340 | 600  | 559,5 | 610,5 | 388 | 157    | SDGLxxxTABR16200 |
| 250  | 10      | 395 | 730  | 633   | 691,5 | 500 | 227    | SDGLxxxTABR10250 |
| 250  | 16      | 405 | 730  | 633   | 691,5 | 500 | 229    | SDGLxxxTABR16250 |
| 300* | 10      | 445 | 850  | 705,5 | 787   | 500 | 336    | SDGLxxxRDBR10300 |
| 350* | 10      | 505 | 980  | 787   | 875,5 | 600 | 442,5  | SDGLxxxRDBR10350 |
| 400* | 10      | 565 | 1100 | 898   | 1007  | 600 | 609    | SDGLxxxRDBR10400 |

\*Supplied with gearbox.  
xxx = drawing number



## GLOBE VALVE

Angle, Stop Type. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13789 (DIN 3356 part 5).
- ◆ Face to face EN 558 Series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16      |
|                                              | Up to 225°C | 6,6    | 6,6     |

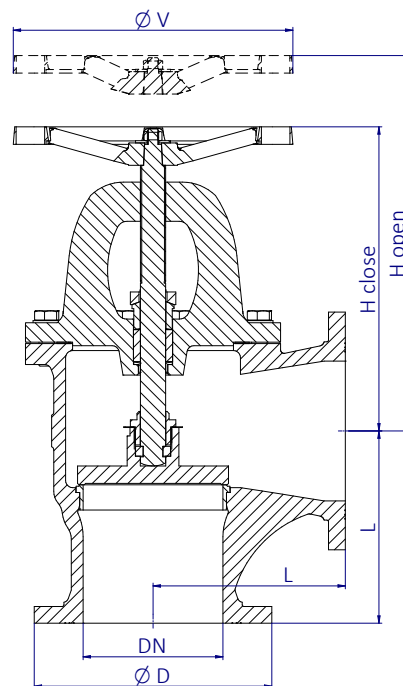
### MATERIALS

| DRAWING | TYPE | BODY/BONNET                 | SEAT                               | STEM                               | SCREWS          | HANDWHEEL |
|---------|------|-----------------------------|------------------------------------|------------------------------------|-----------------|-----------|
| G-718   | Stop | Bronze (Rg10)<br>(DIN 1705) | CuAl10Fe5Ni5<br>(EN 1982/DIN 1714) | CuAl10Fe5Ni5<br>(EN 1982/DIN 1714) | Stainless S. A4 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L   | Hc    | Ho    | ØV  | Weight | Code             |
|------|---------|-----|-----|-------|-------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm    | mm    | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 75  | 151,5 | 159,5 | 110 | 5      | SDGL718TABR16015 |
| 20   | 10/16   | 105 | 85  | 148   | 156   | 110 | 5,5    | SDGL718TABR16020 |
| 25   | 10/16   | 115 | 90  | 145,5 | 153,5 | 110 | 6      | SDGL718TABR16025 |
| 32   | 10/16   | 140 | 105 | 197   | 214,5 | 150 | 11     | SDGL718TABR16032 |
| 40   | 10/16   | 150 | 115 | 195   | 210,5 | 150 | 12     | SDGL718TABR16040 |
| 50   | 10/16   | 165 | 125 | 195   | 210,5 | 150 | 14     | SDGL718TABR16050 |
| 65   | 10/16   | 185 | 145 | 241   | 267,5 | 196 | 25,5   | SDGL718TABR16065 |
| 80   | 10/16   | 200 | 155 | 243   | 271,5 | 196 | 29     | SDGL718TABR16080 |
| 100  | 10/16   | 200 | 175 | 266,5 | 293,5 | 196 | 35,5   | SDGL718TABR16100 |
| 125  | 10/16   | 250 | 200 | 336   | 377,5 | 298 | 62,5   | SDGL718TABR16125 |
| 150  | 10/16   | 285 | 225 | 355   | 404,5 | 298 | 78     | SDGL718TABR16150 |
| 200  | 10      | 340 | 275 | 435   | 488   | 388 | 155    | SDGL718TABR10200 |
| 200  | 16      | 340 | 275 | 435   | 488   | 388 | 154,5  | SDGL718TABR16200 |
| 250  | 10      | 395 | 325 | 512   | 571   | 500 | 261    | SDGL718TABR10250 |
| 250  | 16      | 405 | 325 | 512   | 571   | 500 | 263    | SDGL718TABR16250 |
| 300* | 10      | 445 | 375 | 553   | 635   | 500 | 302,5  | SDGL718RDBR10300 |
| 350* | 10      | 505 | 425 | 606   | 706   | 600 | 415,5  | SDGL718RDBR10350 |
| 400* | 10      | 565 | 475 | 711   | 820   | 600 | 600    | SDGL718RDBR10400 |

\*Supplied with gearbox.



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

## GLOBE VALVE

Angle, Stop Type. Mild Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13709 (DIN 3356 part 5).
- ◆ Face to face EN 558 Series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4    | 15      |
|                                              | Up to 225°C | 8      | 12,85   |

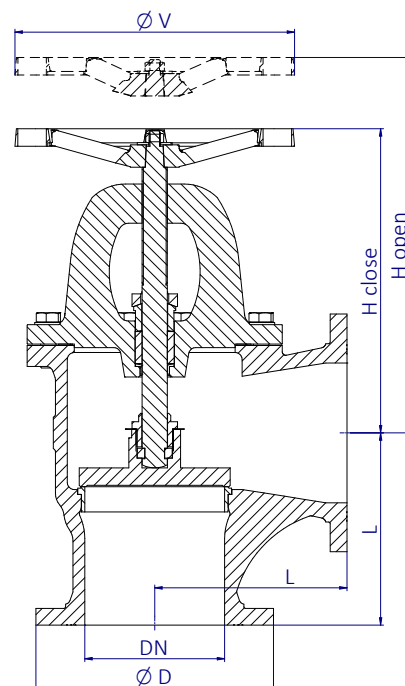
### MATERIALS

| DRAWING | TYPE | BODY/BONNET                            | SEAT                    | STEM                   | SCREWS         | HANDWHEEL |
|---------|------|----------------------------------------|-------------------------|------------------------|----------------|-----------|
| G-210   | Stop | Mild Steel (GS-C25) (EN10213/DIN17245) | Bronze (Rg5) (DIN 1705) | Brass (MS-58)          | Mild Steel 8.8 | Aluminium |
| G-212   | Stop | Mild Steel (GS-C25) (EN10213/DIN17245) | Stainless S. (AISI420)  | Stainless S. (AISI420) | Mild Steel 8.8 | Aluminium |
| G-216   | Stop | Mild Steel (GS-C25) (EN10213/DIN17245) | Stainless S. (AISI316)  | Stainless S. (AISI316) | Mild Steel 8.8 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L   | Hc    | Ho    | ØV  | Weight | Code             |
|------|---------|-----|-----|-------|-------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm    | mm    | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 75  | 151,5 | 159,5 | 110 | 4,5    | SDGLxxxTABR16015 |
| 20   | 10/16   | 105 | 85  | 148   | 156   | 110 | 5      | SDGLxxxTABR16020 |
| 25   | 10/16   | 115 | 90  | 145,5 | 153,5 | 110 | 5,5    | SDGLxxxTABR16025 |
| 32   | 10/16   | 140 | 105 | 197   | 214,5 | 150 | 10     | SDGLxxxTABR16032 |
| 40   | 10/16   | 150 | 115 | 195   | 210,5 | 150 | 11     | SDGLxxxTABR16040 |
| 50   | 10/16   | 165 | 125 | 195   | 210,5 | 150 | 13     | SDGLxxxTABR16050 |
| 65   | 10/16   | 185 | 145 | 241   | 267,5 | 196 | 23     | SDGLxxxTABR16065 |
| 80   | 10/16   | 200 | 155 | 243   | 271,5 | 196 | 26,5   | SDGLxxxTABR16080 |
| 100  | 10/16   | 200 | 175 | 266,5 | 293,5 | 196 | 32,5   | SDGLxxxTABR16100 |
| 125  | 10/16   | 250 | 200 | 336   | 377,5 | 298 | 57     | SDGLxxxTABR16125 |
| 150  | 10/16   | 285 | 225 | 355   | 404,5 | 298 | 71     | SDGLxxxTABR16150 |
| 200  | 10      | 340 | 275 | 435   | 488   | 388 | 141    | SDGLxxxTABR10200 |
| 200  | 16      | 340 | 275 | 435   | 488   | 388 | 141    | SDGLxxxTABR16200 |
| 250  | 10      | 395 | 325 | 512   | 571   | 500 | 239    | SDGLxxxTABR10250 |
| 250  | 16      | 405 | 325 | 512   | 571   | 500 | 240,5  | SDGLxxxTABR16250 |
| 300* | 10      | 445 | 375 | 553   | 635   | 500 | 278    | SDGLxxxRDBR10300 |
| 350* | 10      | 505 | 425 | 606   | 706   | 600 | 380    | SDGLxxxRDBR10350 |
| 400* | 10      | 565 | 475 | 711   | 820   | 600 | 547,5  | SDGLxxxRDBR10400 |

\*Supplied with gearbox.  
xxx = drawing number



- ◆ Hydraulic tightness and seal test according to EN 12266-1.  
100% Valves tested.

## GLOBE VALVE

Angle, Stop Type. Stainless Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13709 (DIN 3356 part 5).
- ◆ Face to face EN 558 Series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

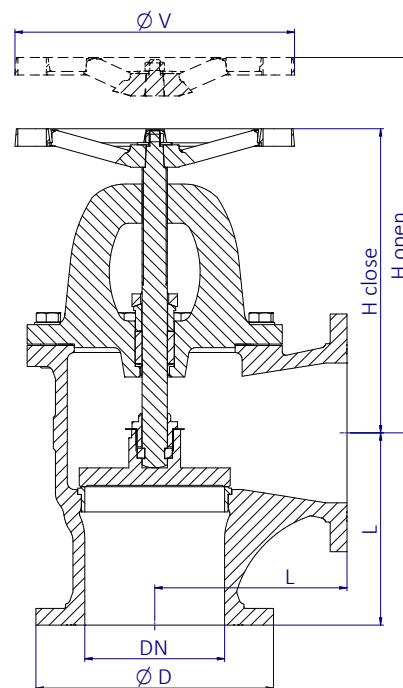
### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5    | 15,2    |
|                                              | Up to 225°C | 7,3    | 11,65   |

### MATERIALS

| DRAWING | TYPE | BODY/BONNET                             | SEAT                      | STEM                      | SCREWS          | HANDWHEEL |
|---------|------|-----------------------------------------|---------------------------|---------------------------|-----------------|-----------|
| G-616   | Stop | Stainless S. A316<br>(EN10088/DIN17440) | Stainless S.<br>(AISI316) | Stainless S.<br>(AISI316) | Stainless S. A4 | Aluminium |

- ◆ Hydraulic tightness and sealing test according to EN 12266-1.  
100% Valves tested.



### DIMENSIONS

| DN   | Flanges | ØD  | L   | Hc    | Ho    | ØV  | Weight | Code             |
|------|---------|-----|-----|-------|-------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm    | mm    | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 75  | 151,5 | 159,5 | 110 | 4,5    | SDGL616TABR16015 |
| 20   | 10/16   | 105 | 85  | 148   | 156   | 110 | 5      | SDGL616TABR16020 |
| 25   | 10/16   | 115 | 90  | 145,5 | 153,5 | 110 | 5,5    | SDGL616TABR16025 |
| 32   | 10/16   | 140 | 105 | 197   | 214,5 | 150 | 10     | SDGL616TABR16032 |
| 40   | 10/16   | 150 | 115 | 195   | 210,5 | 150 | 11     | SDGL616TABR16040 |
| 50   | 10/16   | 165 | 125 | 195   | 210,5 | 150 | 13     | SDGL616TABR16050 |
| 65   | 10/16   | 185 | 145 | 241   | 267,5 | 196 | 23,5   | SDGL616TABR16065 |
| 80   | 10/16   | 200 | 155 | 243   | 271,5 | 196 | 27     | SDGL616TABR16080 |
| 100  | 10/16   | 200 | 175 | 266,5 | 293,5 | 196 | 33     | SDGL616TABR16100 |
| 125  | 10/16   | 250 | 200 | 336   | 377,5 | 298 | 57,5   | SDGL616TABR16125 |
| 150  | 10/16   | 285 | 225 | 355   | 404,5 | 298 | 72     | SDGL616TABR16150 |
| 200  | 10      | 340 | 275 | 435   | 488   | 388 | 143    | SDGL616TABR10200 |
| 200  | 16      | 340 | 275 | 435   | 488   | 388 | 142,5  | SDGL616TABR16200 |
| 250  | 10      | 395 | 325 | 512   | 571   | 500 | 242    | SDGL616TABR10250 |
| 250  | 16      | 405 | 325 | 512   | 571   | 500 | 243,5  | SDGL616TABR16250 |
| 300* | 10      | 445 | 375 | 553   | 635   | 500 | 282    | SDGL616RDBR10300 |
| 350* | 10      | 505 | 425 | 606   | 706   | 600 | 385,5  | SDGL616RDBR10350 |
| 400* | 10      | 565 | 475 | 711   | 820   | 600 | 555    | SDGL616RDBR10400 |

\*Supplied with gearbox.

## GLOBE VALVE

Angle, Stop Type. Nodular Cast Iron PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13789 (DIN 3356 part 5).
- ◆ Face to face EN 558 Series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092 (DIN 2633).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized.
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

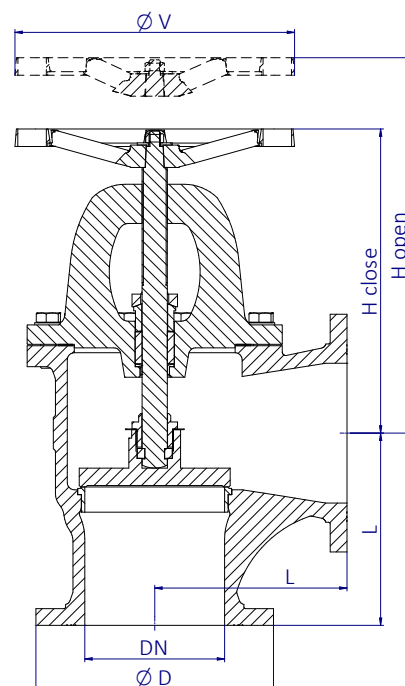
### WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16      |
|                                              | Up to 225°C | 8,95   | 8,95    |

### MATERIALS

| DRAWING | TYPE | BODY/BONNET                               | SEAT                    | STEM                   | SCREWS         | HANDWHEEL |
|---------|------|-------------------------------------------|-------------------------|------------------------|----------------|-----------|
| G-410   | Stop | Nodular Cast Iron (GJS400-18-LT)(EN 1563) | Bronze (Rg5) (DIN 1705) | Brass (MS-58)          | Mild Steel 8.8 | Aluminium |
| G-412   | Stop | Nodular Cast Iron (GJS400-18-LT)(EN 1563) | Stainless S. (AISI420)  | Stainless S. (AISI420) | Mild Steel 8.8 | Aluminium |

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.



### DIMENSIONS

| DN   | Flanges | ØD  | L   | Hc    | Ho    | ØV  | Weight | Code             |
|------|---------|-----|-----|-------|-------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm    | mm    | mm  | [kg]   | SAVAL            |
| 15   | 10/16   | 95  | 75  | 151,5 | 159,5 | 110 | 4      | SDGLxxxTABR16015 |
| 20   | 10/16   | 105 | 85  | 148   | 156   | 110 | 4,5    | SDGLxxxTABR16020 |
| 25   | 10/16   | 115 | 90  | 145,5 | 153,5 | 110 | 5      | SDGLxxxTABR16025 |
| 32   | 10/16   | 140 | 105 | 197   | 214,5 | 150 | 9,5    | SDGLxxxTABR16032 |
| 40   | 10/16   | 150 | 115 | 195   | 210,5 | 150 | 10,5   | SDGLxxxTABR16040 |
| 50   | 10/16   | 165 | 125 | 195   | 210,5 | 150 | 12     | SDGLxxxTABR16050 |
| 65   | 10/16   | 185 | 145 | 241   | 267,5 | 196 | 22     | SDGLxxxTABR16065 |
| 80   | 10/16   | 200 | 155 | 243   | 271,5 | 196 | 25     | SDGLxxxTABR16080 |
| 100  | 10/16   | 200 | 175 | 266,5 | 293,5 | 196 | 30,5   | SDGLxxxTABR16100 |
| 125  | 10/16   | 250 | 200 | 336   | 377,5 | 298 | 53,5   | SDGLxxxTABR16125 |
| 150  | 10/16   | 285 | 225 | 355   | 404,5 | 298 | 66,5   | SDGLxxxTABR16150 |
| 200  | 10      | 340 | 275 | 435   | 488   | 388 | 133    | SDGLxxxTABR10200 |
| 200  | 16      | 340 | 275 | 435   | 488   | 388 | 132,5  | SDGLxxxTABR16200 |
| 250  | 10      | 395 | 325 | 512   | 571   | 500 | 225,5  | SDGLxxxTABR10250 |
| 250  | 16      | 405 | 325 | 512   | 571   | 500 | 227    | SDGLxxxTABR16250 |
| 300* | 10      | 445 | 375 | 553   | 635   | 500 | 263    | SDGLxxxRDBR10300 |
| 350* | 10      | 505 | 425 | 606   | 706   | 600 | 358,5  | SDGLxxxRDBR10350 |
| 400* | 10      | 565 | 475 | 711   | 820   | 600 | 515,5  | SDGLxxxRDBR10400 |

\*Supplied with gearbox.  
xxx = drawing number





## QUICK CLOSING VALVES

# QUICK CLOSING VALVE

Straight, Mild Steel PN 10/16

## CHARACTERISTICS

### Design:

- ◆ EN 13709 (DIN 3356 part 5).
- ◆ Face to face EN 558 series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092 (DIN 2633 PN16).
- ◆ Thread 1/8" BSP Supplied with R1/8" BSP - Ø 8L conector.

## OPTIONAL CHARACTERISTICS

- ◆ With limit switch indicator.

### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

## WORKING CONDITIONS

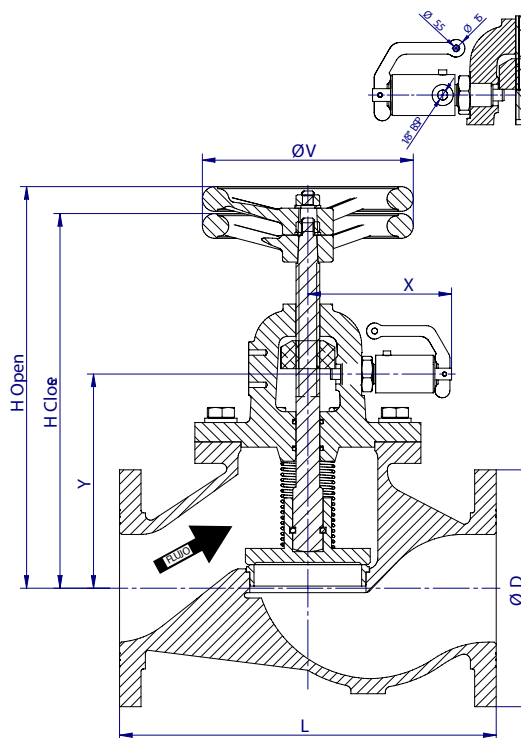
|                                              |             |        |
|----------------------------------------------|-------------|--------|
| Size                                         | DN          | 15-150 |
| Nominal pressure                             | PN          | 10 16  |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4 15 |

## MATERIALS

| DRAWING  | BODY                                       | SEAT                         | STEM                         | SCREWS         | HANDWHEEL |
|----------|--------------------------------------------|------------------------------|------------------------------|----------------|-----------|
| G-202-CR | Mild Steel (GS-C25)<br>(EN10213/DIN 17245) | Stainless Steel<br>(AISI420) | Stainless Steel<br>(AISI420) | Mild Steel 8.8 | Aluminium |

## DIMENSIONS

| DN  | ØD  | L   | Hc  | Ho  | ØV  | X   | Y   | Weight | Code             |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|------------------|
| mm  | mm  | mm  | mm  | mm  | mm  | mm  | mm  | [kg]   | SAVAL            |
| 15  | 95  | 130 | 185 | 195 | 110 | 125 | 86  | 5      | SDGI202TABR16015 |
| 20  | 105 | 150 | 190 | 197 | 110 | 125 | 88  | 6      | SDGI202TABR16020 |
| 25  | 115 | 160 | 195 | 202 | 110 | 125 | 93  | 7      | SDGI202TABR16025 |
| 32  | 140 | 180 | 252 | 266 | 150 | 125 | 117 | 12     | SDGI202TABR16032 |
| 40  | 150 | 200 | 254 | 269 | 150 | 125 | 120 | 12     | SDGI202TABR16040 |
| 50  | 165 | 230 | 262 | 277 | 150 | 125 | 128 | 14     | SDGI202TABR16050 |
| 65  | 185 | 290 | 315 | 339 | 200 | 125 | 172 | 25     | SDGI202TABR16065 |
| 80  | 200 | 310 | 315 | 339 | 200 | 125 | 172 | 31     | SDGI202TABR16080 |
| 100 | 200 | 340 | 351 | 377 | 200 | 135 | 199 | 37     | SDGI202TABR16100 |
| 125 | 250 | 400 | 442 | 473 | 300 | 205 | 256 | 71     | SDGI202TABR16125 |
| 150 | 285 | 480 | 442 | 479 | 300 | 205 | 289 | 102    | SDGI202TABR16150 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

## QUICK CLOSING VALVE

Straight, Stainless Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13709 (DIN 3356 part 5).
- ◆ Face to face EN 558 series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092 (DIN 2633 PN16).
- ◆ Thread 1/8" BSP Supplied with R1/8" BSP - Ø 8L conector.

### OPTIONAL CHARACTERISTICS

- ◆ With limit switch indicator.

#### Integrated Logistics Support (ILS):

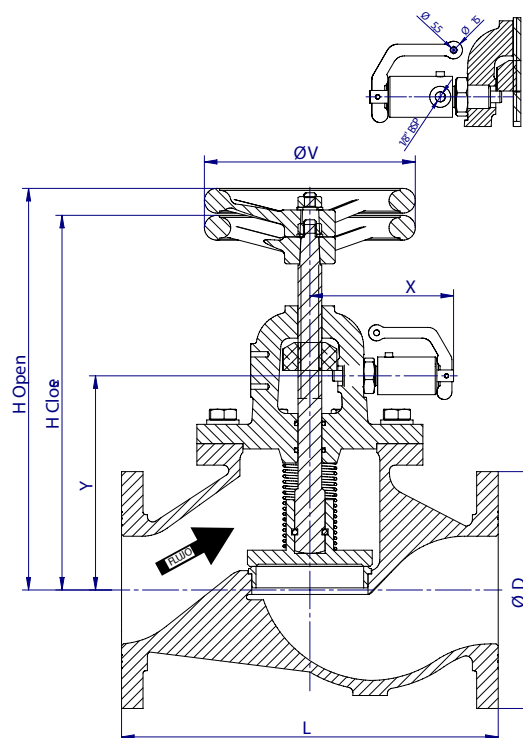
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

|                                              |             |        |      |
|----------------------------------------------|-------------|--------|------|
| Size                                         | DN          | 15-150 |      |
| Nominal pressure                             | PN          | 10     | 16   |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5    | 15,2 |

### MATERIALS

| DRAWING  | BODY                                        | SEAT                                        | STEM                                        | SCREWS             | HANDWHEEL |
|----------|---------------------------------------------|---------------------------------------------|---------------------------------------------|--------------------|-----------|
| G-606-CR | Stainless Steel A316<br>(EN10088/DIN 17440) | Stainless Steel A316<br>(EN10088/DIN 17440) | Stainless Steel A316<br>(EN10088/DIN 17440) | Stainless Steel A4 | Aluminium |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

### DIMENSIONS

| DN  | ØD  | L   | Hc  | Ho  | ØV  | X   | Y   | Weight | Code             |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|------------------|
| mm  | mm  | mm  | mm  | mm  | mm  | mm  | mm  | [kg]   | SAVAL            |
| 15  | 95  | 130 | 185 | 195 | 110 | 125 | 86  | 5      | SDGI606TABR16015 |
| 20  | 105 | 150 | 190 | 197 | 110 | 125 | 88  | 6      | SDGI606TABR16020 |
| 25  | 115 | 160 | 195 | 202 | 110 | 125 | 93  | 7      | SDGI606TABR16025 |
| 32  | 140 | 180 | 252 | 266 | 150 | 125 | 117 | 12     | SDGI606TABR16032 |
| 40  | 150 | 200 | 254 | 269 | 150 | 125 | 120 | 12     | SDGI606TABR16040 |
| 50  | 165 | 230 | 262 | 277 | 150 | 125 | 128 | 14     | SDGI606TABR16050 |
| 65  | 185 | 290 | 315 | 339 | 200 | 125 | 172 | 25     | SDGI606TABR16065 |
| 80  | 200 | 310 | 315 | 339 | 200 | 125 | 172 | 31     | SDGI606TABR16080 |
| 100 | 200 | 340 | 351 | 377 | 200 | 135 | 199 | 37     | SDGI606TABR16100 |
| 125 | 250 | 400 | 442 | 473 | 300 | 205 | 256 | 71     | SDGI606TABR16125 |
| 150 | 285 | 480 | 442 | 479 | 300 | 205 | 289 | 102    | SDGI606TABR16150 |

## QUICK CLOSING VALVE

Straight, Nodular Cast Iron PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13789 (DIN 3356 part 5).
- ◆ Face to face EN 558 series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092 (DIN 2633 PN16).
- ◆ Thread 1/8" BSP Supplied with R1/8" BSP - Ø 8L conector.

### OPTIONAL CHARACTERISTICS

- ◆ With limit switch indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

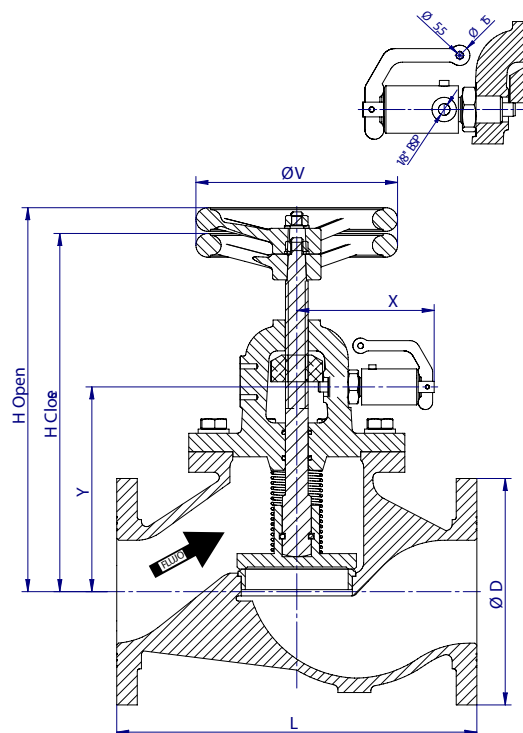
|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 15-150 |    |
| Nominal pressure                             | PN          | 10     | 16 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16 |

### MATERIALS

| DRAWING  | BODY                                          | SEAT                         | STEM                         | SCREWS         | HANDWHEEL |
|----------|-----------------------------------------------|------------------------------|------------------------------|----------------|-----------|
| G-402-CR | Nodular Cast iron (GGG40.3)<br>(GJS400-18-LT) | Stainelss Steel<br>(AISI420) | Stainless Steel<br>(AISI420) | Mild Steel 8.8 | Aluminium |

### DIMENSIONS

| DN  | ØD  | L   | Hc  | Ho  | ØV  | X   | Y   | Weight | Code             |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|------------------|
| mm  | mm  | mm  | mm  | mm  | mm  | mm  | mm  | [kg]   | SAVAL            |
| 15  | 95  | 130 | 185 | 195 | 110 | 125 | 86  | 5      | SDGI402TABR16015 |
| 20  | 105 | 150 | 190 | 197 | 110 | 125 | 88  | 5      | SDGI402TABR16020 |
| 25  | 115 | 160 | 195 | 202 | 110 | 125 | 93  | 6      | SDGI402TABR16025 |
| 32  | 140 | 180 | 252 | 266 | 150 | 125 | 117 | 11     | SDGI402TABR16032 |
| 40  | 150 | 200 | 254 | 269 | 150 | 125 | 120 | 11     | SDGI402TABR16040 |
| 50  | 165 | 230 | 262 | 277 | 150 | 125 | 128 | 14     | SDGI402TABR16050 |
| 65  | 185 | 290 | 315 | 339 | 200 | 125 | 172 | 24     | SDGI402TABR16065 |
| 80  | 200 | 310 | 315 | 339 | 200 | 125 | 172 | 28     | SDGI402TABR16080 |
| 100 | 200 | 340 | 351 | 377 | 200 | 135 | 199 | 35     | SDGI402TABR16100 |
| 125 | 250 | 400 | 442 | 473 | 300 | 205 | 256 | 67     | SDGI402TABR16125 |
| 150 | 285 | 480 | 442 | 479 | 300 | 205 | 289 | 95     | SDGI402TABR16150 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

## QUICK CLOSING VALVE

Angle, Mild Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13709 (DIN 3356 part 5).
- ◆ Face to face EN 558 series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092 (DIN 2633 PN16).
- ◆ Thread 1/8" BSP Supplied with R1/8" BSP - Ø 8L conector.

### OPTIONAL CHARACTERISTICS

- ◆ With limit switch indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

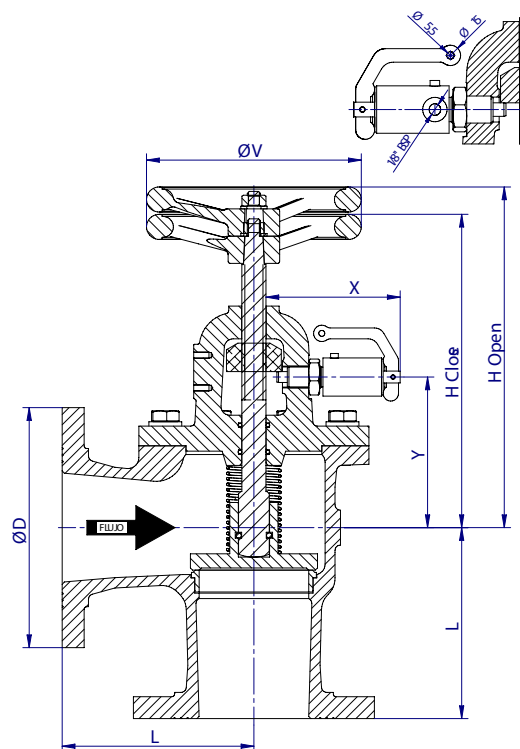
|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 15-150 |    |
| Nominal pressure                             | PN          | 10     | 16 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4    | 15 |

### MATERIALS

| DRAWING  | BODY                                       | SEAT                         | STEM                         | SCREWS         | HANDWHEEL |
|----------|--------------------------------------------|------------------------------|------------------------------|----------------|-----------|
| G-212-CR | Mild Steel (GS-C25)<br>(EN10213/DIN 17245) | Stainless Steel<br>(AISI420) | Stainless Steel<br>(AISI420) | Mild Steel 8.8 | Aluminium |

### DIMENSIONS

| DN  | ØD  | L   | Hc  | Ho  | ØV  | X   | Y   | Weight | Code             |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|------------------|
| mm  | mm  | mm  | mm  | mm  | mm  | mm  | mm  | [kg]   | SAVAL            |
| 15  | 95  | 75  | 175 | 182 | 110 | 125 | 73  | 5      | SDGI212TABR16015 |
| 20  | 105 | 85  | 172 | 179 | 110 | 125 | 70  | 6      | SDGI212TABR16020 |
| 25  | 115 | 90  | 170 | 177 | 110 | 125 | 68  | 6      | SDGI212TABR16025 |
| 32  | 140 | 105 | 230 | 245 | 150 | 125 | 96  | 11     | SDGI212TABR16032 |
| 40  | 150 | 115 | 225 | 241 | 150 | 125 | 92  | 12     | SDGI212TABR16040 |
| 50  | 165 | 125 | 226 | 241 | 150 | 125 | 92  | 14     | SDGI212TABR16050 |
| 65  | 185 | 145 | 270 | 292 | 200 | 125 | 125 | 24     | SDGI212TABR16065 |
| 80  | 200 | 155 | 263 | 287 | 200 | 125 | 125 | 27     | SDGI212TABR16080 |
| 100 | 200 | 175 | 290 | 316 | 200 | 135 | 138 | 34     | SDGI212TABR16100 |
| 125 | 250 | 200 | 369 | 400 | 300 | 205 | 183 | 65     | SDGI212TABR16125 |
| 150 | 285 | 225 | 360 | 401 | 300 | 205 | 212 | 82     | SDGI212TABR16150 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.



## QUICK CLOSING VALVE

Angle, Stainless Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13709 (DIN 3356 part 5).
- ◆ Face to face EN 558 series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092 (DIN 2633 PN16).
- ◆ Thread 1/8" BSP Supplied with R1/8" BSP - Ø 8L conector.

### OPTIONAL CHARACTERISTICS

- ◆ With limit switch indicator.

#### Integrated Logistics Support (ILS):

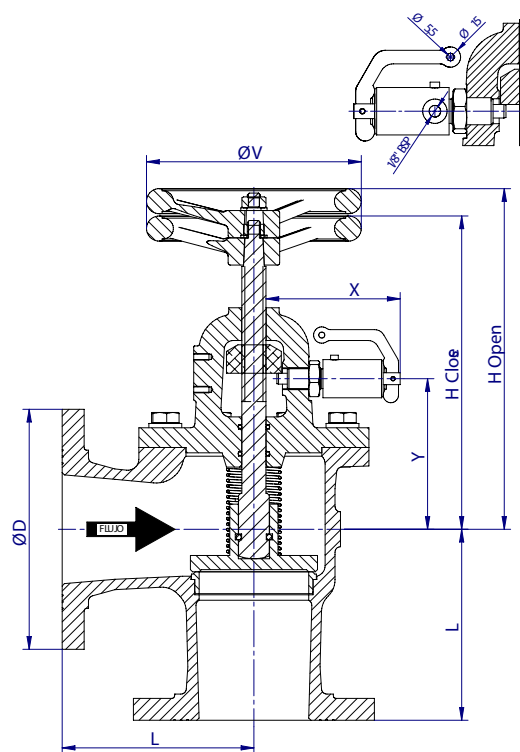
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 15-150 |      |
|----------------------------------------------|-------------|--------|------|
| Nominal pressure                             | PN          | 10     | 16   |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5    | 15,2 |

### MATERIALS

| DRAWING  | BODY                                     | SEAT                                     | STEM                                     | SCREWS             | HANDWHEEL |
|----------|------------------------------------------|------------------------------------------|------------------------------------------|--------------------|-----------|
| G-616-CR | Stainless Steel A316 (EN10088/DIN 17440) | Stainless Steel A316 (EN10088/DIN 17440) | Stainless Steel A316 (EN10088/DIN 17440) | Stainless Steel A4 | Aluminium |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

### DIMENSIONS

| DN  | ØD  | L   | Hc  | Ho  | ØV  | X   | Y   | Weight | Code             |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|------------------|
| mm  | mm  | mm  | mm  | mm  | mm  | mm  | mm  | [kg]   | SAVAL            |
| 15  | 95  | 75  | 175 | 182 | 110 | 125 | 73  | 5      | SDGI616TABR16015 |
| 20  | 105 | 85  | 172 | 179 | 110 | 125 | 70  | 6      | SDGI616TABR16020 |
| 25  | 115 | 90  | 170 | 177 | 110 | 125 | 68  | 6      | SDGI616TABR16025 |
| 32  | 140 | 105 | 230 | 245 | 150 | 125 | 96  | 11     | SDGI616TABR16032 |
| 40  | 150 | 115 | 225 | 241 | 150 | 125 | 92  | 12     | SDGI616TABR16040 |
| 50  | 165 | 125 | 226 | 241 | 150 | 125 | 92  | 14     | SDGI616TABR16050 |
| 65  | 185 | 145 | 270 | 292 | 200 | 125 | 125 | 24     | SDGI616TABR16065 |
| 80  | 200 | 155 | 263 | 287 | 200 | 125 | 125 | 27     | SDGI616TABR16080 |
| 100 | 200 | 175 | 290 | 316 | 200 | 135 | 138 | 34     | SDGI616TABR16100 |
| 125 | 250 | 200 | 369 | 400 | 300 | 205 | 183 | 65     | SDGI616TABR16125 |
| 150 | 285 | 225 | 360 | 401 | 300 | 205 | 212 | 82     | SDGI616TABR16150 |

## QUICK CLOSING VALVE

Angle, Nodular Cast Iron PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13789 (DIN 3356 part 5).
- ◆ Face to face EN 558 series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092 (DIN 2633 PN16).
- ◆ Thread 1/8" BSP Supplied with R1/8" BSP - Ø 8L conector.

### OPTIONAL CHARACTERISTICS

- ◆ With limit switch indicator.

#### Integrated Logistics Support (ILS):

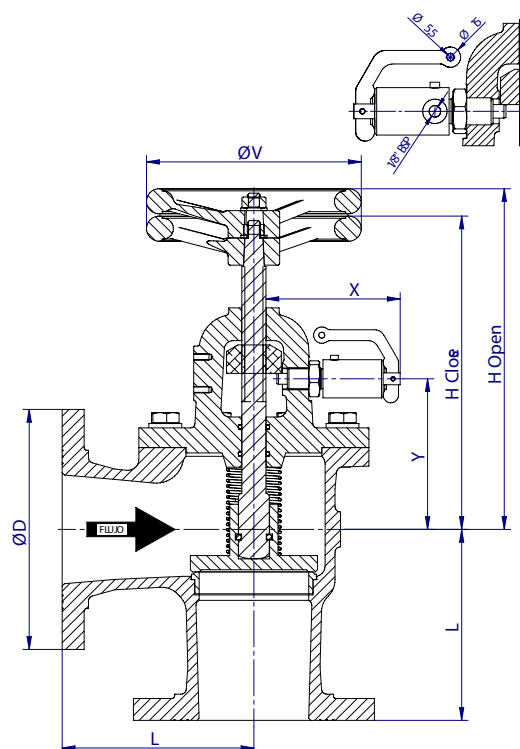
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 15-150 |    |
| Nominal pressure                             | PN          | 10     | 16 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16 |

### MATERIALS

| DRAWING  | BODY                                          | SEAT                         | STEM                         | SCREWS         | HANDWHEEL |
|----------|-----------------------------------------------|------------------------------|------------------------------|----------------|-----------|
| G-412-CR | Nodular Cast Iron (GGG40.3)<br>(GJS400-18-LT) | Stainless Steel<br>(AISI420) | Stainless Steel<br>(AISI420) | Mild Steel 8.8 | Aluminium |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

### DIMENSIONS

| DN  | ØD  | L   | Hc  | Ho  | ØV  | X   | Y   | Weight | Code             |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|------------------|
| mm  | mm  | mm  | mm  | mm  | mm  | mm  | mm  | [kg]   | SAVAL            |
| 15  | 95  | 75  | 175 | 182 | 110 | 125 | 73  | 5      | SDGI412TABR16015 |
| 20  | 105 | 85  | 172 | 179 | 110 | 125 | 70  | 5      | SDGI412TABR16020 |
| 25  | 115 | 90  | 170 | 177 | 110 | 125 | 68  | 6      | SDGI412TABR16025 |
| 32  | 140 | 105 | 230 | 245 | 150 | 125 | 96  | 10     | SDGI412TABR16032 |
| 40  | 150 | 115 | 225 | 241 | 150 | 125 | 92  | 12     | SDGI412TABR16040 |
| 50  | 165 | 125 | 226 | 241 | 150 | 125 | 92  | 13     | SDGI412TABR16050 |
| 65  | 185 | 145 | 270 | 292 | 200 | 125 | 125 | 23     | SDGI412TABR16065 |
| 80  | 200 | 155 | 263 | 287 | 200 | 125 | 125 | 26     | SDGI412TABR16080 |
| 100 | 200 | 175 | 290 | 316 | 200 | 135 | 138 | 32     | SDGI412TABR16100 |
| 125 | 250 | 200 | 369 | 400 | 300 | 205 | 183 | 65     | SDGI412TABR16125 |
| 150 | 285 | 225 | 360 | 401 | 300 | 205 | 212 | 80     | SDGI412TABR16150 |



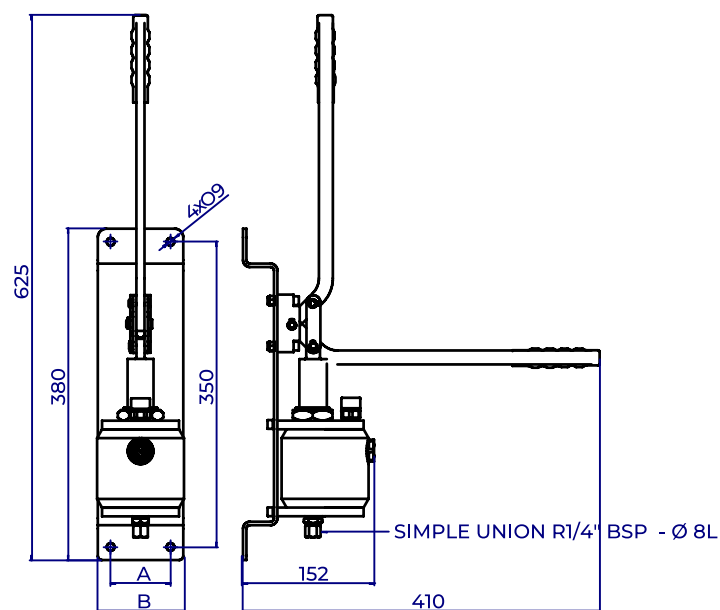
## **HYDRAULIC PUMP UNIT**

## HYDRAULIC PUMP UNIT

### CHARACTERISTICS

#### Design:

- ◆ Impulse volume: 56 cm<sup>3</sup>.
- ◆ Saval GI: DN 15 - 100 / 4 valves (2 cm<sup>3</sup>).
- ◆ Saval GI: DN 125 - 150 / 2 valves (10 cm<sup>3</sup>).
- ◆ Recommended oil: ISO VG32.
- ◆ Optional: Individual locking system.

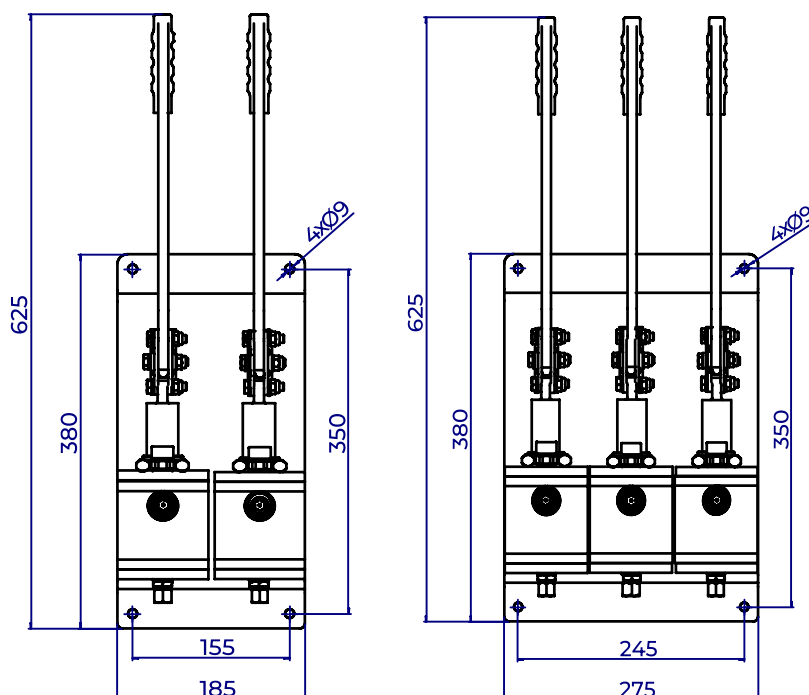


### MATERIALS

| DRAWING  | TYPE     | TANK      | LEVER     | SUPPORT | STEM |
|----------|----------|-----------|-----------|---------|------|
| UI-206-1 | 1 Lever  | Steel S35 | Steel S35 | A316    | A316 |
| UI-206-2 | 2 Levers |           |           |         |      |
| UI-206-3 | 3 Levers |           |           |         |      |

### DIMENSIONS

| Lever | A   | B   | Kg | Code              |
|-------|-----|-----|----|-------------------|
| 1     | 70  | 100 | 9  | F5084000000000000 |
| 2     | 155 | 185 | 17 | F5084000000000001 |
| 3     | 245 | 275 | 25 | F5084000000000002 |







## **GATE VALVES**



## GATE VALVE

Rising stem. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 12288.
- ◆ Face to face EN 558 series 14 (DIN 3202 F4).
- ◆ Flanges according to EN 1092.

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized

#### Integrated Logistics Support (ILS):

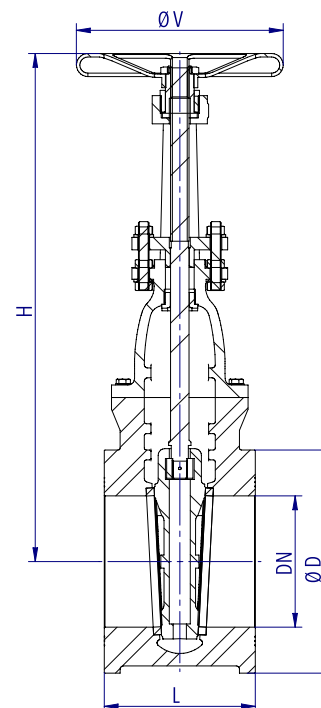
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 40-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16      |
|                                              | Up to 225°C | 6,6    | 10,7    |

### MATERIALS

| DRAWING | TYPE        | BODY                     | SEAT                            | STEM                            | SCREWS          | HANDWHEEL                           |
|---------|-------------|--------------------------|---------------------------------|---------------------------------|-----------------|-------------------------------------|
| CB-708  | Rising stem | Bronze (Rg10) (DIN 1705) | CuAl10Fe5Ni5 (EN 1982/DIN 1714) | CuAl10Fe5Ni5 (EN 1982/DIN 1714) | Stainless S. A4 | Nod. Cast Iron GGG40.3 or Iron GG25 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

### DIMENSIONS

| DN   | Flanges | ØD  | L   | H    | ØV  | Weight | Code             |
|------|---------|-----|-----|------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm   | mm  | [kg]   | SAVAL            |
| 40   | 10/16   | 150 | 140 | 290  | 200 | 14     | SDCB708TABR16040 |
| 50   | 10/16   | 165 | 150 | 305  | 200 | 16     | SDCB708TABR16050 |
| 65   | 10/16   | 185 | 170 | 365  | 200 | 22     | SDCB708TABR16065 |
| 80   | 10/16   | 200 | 180 | 420  | 200 | 26,5   | SDCB708TABR16080 |
| 100  | 10/16   | 220 | 190 | 510  | 225 | 35     | SDCB708TABR16100 |
| 125  | 10/16   | 250 | 200 | 545  | 225 | 46,5   | SDCB708TABR16125 |
| 150  | 10/16   | 285 | 210 | 640  | 325 | 71,5   | SDCB708TABR16150 |
| 200  | 10      | 340 | 230 | 770  | 325 | 120    | SDCB708TABR10200 |
| 200  | 16      | 340 | 230 | 770  | 325 | 120    | SDCB708TABR16200 |
| 250  | 10      | 395 | 250 | 905  | 375 | 139    | SDCB708TABR10250 |
| 250  | 16      | 405 | 250 | 905  | 375 | 141    | SDCB708TABR16250 |
| 300* | 10      | 445 | 270 | 1060 | 375 | 257,5  | SDCB708RDBR10300 |
| 350* | 10      | 505 | 290 | 1250 | 450 | 363    | SDCB708RDBR10350 |
| 400* | 10      | 565 | 310 | 1370 | 450 | 441    | SDCB708RDBR10400 |

\*Supplied with gearbox.

## GATE VALVE

Rising stem. Mild Steel PN 10/16

## CHARACTERISTICS

## Design:

- ◆ EN 1984.
- ◆ Face to face EN 558 series 14 (DIN 3202 F4).
- ◆ Flanges according to EN 1092.

## OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized

## Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

## WORKING CONDITIONS

| Size                                         | DN          | 40-250 |      | 300-400 |
|----------------------------------------------|-------------|--------|------|---------|
| Nominal pressure                             | PN          | 10     | 16   | 10      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4    | 15   | 9,4     |
|                                              | Up to 225°C | 8      | 12,8 | 8       |

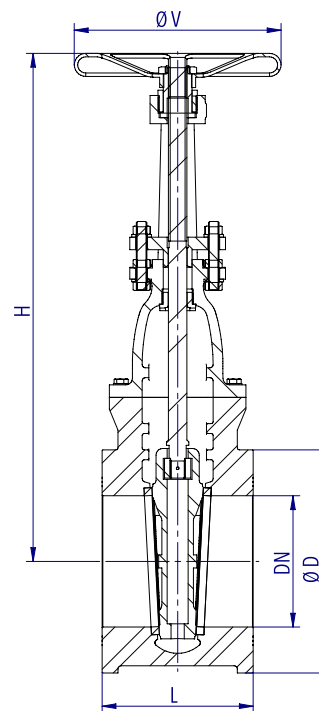
## MATERIALS

| DRAWING | TYPE        | BODY                                     | SEAT                    | STEM                   | SCREWS         | HANDWHEEL                           |
|---------|-------------|------------------------------------------|-------------------------|------------------------|----------------|-------------------------------------|
| CB-200  | Rising Stem | Mild Steel (GS-C 25) (EN10213/DIN 17245) | Bronze (Rg5) (DIN 1705) | Brass (MS-58)          | Mild Steel 8.8 | Nod. Cast Iron GGG40.3 or Iron GG25 |
| CB-202  | Rising Stem | Mild Steel (GS-C 25) (EN10213/DIN 17245) | Stainless S. (AISI420)  | Stainless S. (AISI420) | Mild Steel 8.8 | Nod. Cast Iron GGG40.3 or Iron GG25 |

## DIMENSIONS

| DN   | Flanges | ØD  | L   | H    | ØV  | Weight | Code             |
|------|---------|-----|-----|------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm   | mm  | [kg]   | SAVAL            |
| 40   | 10/16   | 150 | 140 | 290  | 200 | 12     | SDCBxxxTABR16040 |
| 50   | 10/16   | 165 | 150 | 305  | 200 | 13,5   | SDCBxxxTABR16050 |
| 65   | 10/16   | 185 | 170 | 365  | 200 | 19     | SDCBxxxTABR16065 |
| 80   | 10/16   | 200 | 180 | 420  | 200 | 24     | SDCBxxxTABR16080 |
| 100  | 10/16   | 220 | 190 | 510  | 225 | 32     | SDCBxxxTABR16100 |
| 125  | 10/16   | 250 | 200 | 545  | 225 | 42,5   | SDCBxxxTABR16125 |
| 150  | 10/16   | 285 | 210 | 640  | 325 | 65     | SDCBxxxTABR16150 |
| 200  | 10      | 340 | 230 | 770  | 325 | 111    | SDCBxxxTABR10200 |
| 200  | 16      | 340 | 230 | 770  | 325 | 111    | SDCBxxxTABR16200 |
| 250  | 10      | 395 | 250 | 905  | 375 | 128,5  | SDCBxxxTABR10250 |
| 250  | 16      | 405 | 250 | 905  | 375 | 130    | SDCBxxxTABR16250 |
| 300* | 10      | 445 | 270 | 1060 | 375 | 237    | SDCBxxxRDBR10300 |
| 350* | 10      | 505 | 290 | 1250 | 450 | 339    | SDCBxxxRDBR10350 |
| 400* | 10      | 565 | 310 | 1370 | 450 | 411    | SDCBxxxRDBR10400 |

\*Supplied with gearbox.  
xxx = drawing number



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

## GATE VALVE

Rising stem. Stainless Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 1984.
- ◆ Face to face EN 558 series 14 (DIN 3202 F4).
- ◆ Flanges according to EN 1092.

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized

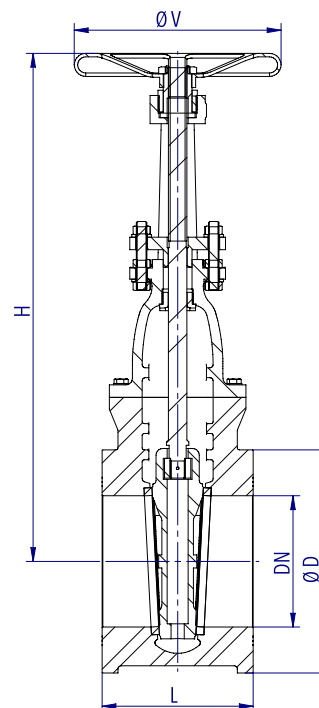
#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 40-250 |      | 300-400 |
|----------------------------------------------|-------------|--------|------|---------|
| Nominal pressure                             | PN          | 10     | 16   | 10      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5    | 15,2 | 9,5     |
|                                              | Up to 225°C | 7,3    | 11,6 | 7,3     |

### MATERIALS



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | TYPE        | BODY                                     | SEAT                                     | STEM                                     | SCREWS          | HANDWHEEL                           |
|---------|-------------|------------------------------------------|------------------------------------------|------------------------------------------|-----------------|-------------------------------------|
| CB-606  | Rising Stem | Stainless Steel A316 (EN10088/DIN 17440) | Stainless Steel A316 (EN10088/DIN 17440) | Stainless Steel A316 (EN10088/DIN 17440) | Stainless S. A4 | Nod. Cast Iron GGG40.3 or Iron GG25 |

### DIMENSIONS

| DN   | Flanges | ØD  | L   | H    | ØV  | Weight | Code             |
|------|---------|-----|-----|------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm   | mm  | [kg]   | SAVAL            |
| 40   | 10/16   | 150 | 140 | 290  | 200 | 12     | SDCB606TABR16040 |
| 50   | 10/16   | 165 | 150 | 305  | 200 | 13,5   | SDCB606TABR16050 |
| 65   | 10/16   | 185 | 170 | 365  | 200 | 19     | SDCB606TABR16065 |
| 80   | 10/16   | 200 | 180 | 420  | 200 | 24     | SDCB606TABR16080 |
| 100  | 10/16   | 220 | 190 | 510  | 225 | 32     | SDCB606TABR16100 |
| 125  | 10/16   | 250 | 200 | 545  | 225 | 42,5   | SDCB606TABR16125 |
| 150  | 10/16   | 285 | 210 | 640  | 325 | 65     | SDCB606TABR16150 |
| 200  | 10      | 340 | 230 | 770  | 325 | 111    | SDCB606TABR10200 |
| 200  | 16      | 340 | 230 | 770  | 325 | 111    | SDCB606TABR16200 |
| 250  | 10      | 395 | 250 | 905  | 375 | 128,5  | SDCB606TABR10250 |
| 250  | 16      | 405 | 250 | 905  | 375 | 130    | SDCB606TABR16250 |
| 300* | 10      | 445 | 270 | 1060 | 375 | 237    | SDCB606RDBR10300 |
| 350* | 10      | 505 | 290 | 1250 | 450 | 339    | SDCB606RDBR10350 |
| 400* | 10      | 565 | 310 | 1370 | 450 | 411    | SDCB606RDBR10400 |

\*Supplied with gearbox.

## GATE VALVE

Rising stem. Nodular Cast Iron PN 10/16

## CHARACTERISTICS

## Design:

- ◆ EN 1171.
- ◆ Face to face EN 558 series 14 (DIN 3202 F4).
- ◆ Flanges according to EN 1092.

## OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized

## Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

## WORKING CONDITIONS

| Size                                         | DN          | 40-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16      |
|                                              | Up to 225°C | 8,9    | 8,9     |

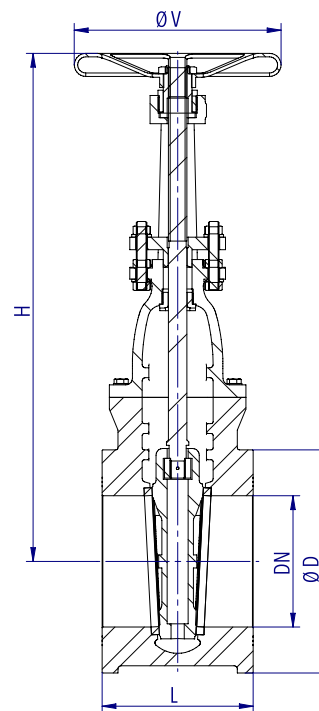
## MATERIALS

| DRAWING | TYPE        | BODY                                       | SEAT                    | STEM                   | SCREWS         | HANDWHEEL                           |
|---------|-------------|--------------------------------------------|-------------------------|------------------------|----------------|-------------------------------------|
| CB-400  | Rising stem | Nodular Cast Iron (GGG40.3) (GJS400-18-LT) | Bronze (Rg5) (DIN 1705) | Brass (MS-58)          | Mild Steel 8.8 | Nod. Cast Iron GGG40.3 or Iron GG25 |
| CB-402  | Rising stem | Nodular Cast Iron (GGG40.3) (GJS400-18-LT) | Stainless S. (AISI420)  | Stainless S. (AISI420) | Mild Steel 8.8 | Nod. Cast Iron GGG40.3 or Iron GG25 |

## DIMENSIONS

| DN   | Flanges | ØD  | L   | H    | ØV  | Weight | Code             |
|------|---------|-----|-----|------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm   | mm  | [kg]   | SAVAL            |
| 40   | 10/16   | 150 | 140 | 290  | 200 | 11     | SDCBxxxTABR16040 |
| 50   | 10/16   | 165 | 150 | 305  | 200 | 12,5   | SDCBxxxTABR16050 |
| 65   | 10/16   | 185 | 170 | 365  | 200 | 17,5   | SDCBxxxTABR16065 |
| 80   | 10/16   | 200 | 180 | 420  | 200 | 22,5   | SDCBxxxTABR16080 |
| 100  | 10/16   | 220 | 190 | 510  | 225 | 30     | SDCBxxxTABR16100 |
| 125  | 10/16   | 250 | 200 | 545  | 225 | 40     | SDCBxxxTABR16125 |
| 150  | 10/16   | 285 | 210 | 640  | 325 | 61     | SDCBxxxTABR16150 |
| 200  | 10      | 340 | 230 | 770  | 325 | 103,5  | SDCBxxxTABR10200 |
| 200  | 16      | 340 | 230 | 770  | 325 | 103,5  | SDCBxxxTABR16200 |
| 250  | 10      | 395 | 250 | 905  | 375 | 120    | SDCBxxxTABR10250 |
| 250  | 16      | 405 | 250 | 905  | 375 | 121    | SDCBxxxTABR16250 |
| 300* | 10      | 445 | 270 | 1060 | 375 | 220,5  | SDCBxxxRDBR10300 |
| 350* | 10      | 505 | 290 | 1250 | 450 | 317    | SDCBxxxRDBR10350 |
| 400* | 10      | 565 | 310 | 1370 | 450 | 384    | SDCBxxxRDBR10400 |

\*Supplied with gearbox.  
xxx = drawing number



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

## GATE VALVE

Non rising stem. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 12288.
- ◆ Face to face EN 558 series 14 (DIN 3202 F4).
- ◆ Flanges according to EN 1092.

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized .
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 40-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16      |
|                                              | Up to 225°C | 6,6    | 6,6     |

### MATERIALS

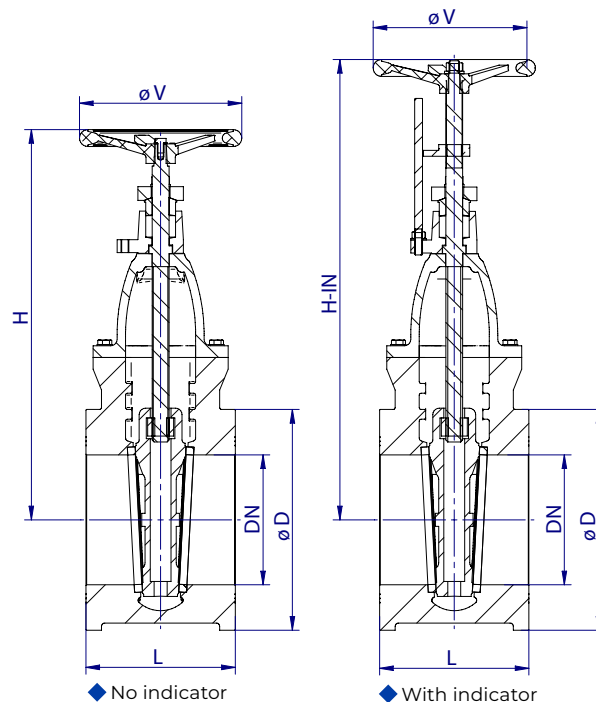
| DRAWING  | TYPE                      | BODY                     | SEAT                          | STEM                          | SCREWS          | HANDWHEEL |
|----------|---------------------------|--------------------------|-------------------------------|-------------------------------|-----------------|-----------|
| C-708    | Non rising stem           | Bronze (Rg10) (DIN 1705) | CuAl10Fe5Ni5 (EN1982/DIN1714) | CuAl10Fe5Ni5 (EN1982/DIN1714) | Stainless S. A4 | Aluminium |
| C-708 IN | Non rising stem indicator | Bronze (Rg10) (DIN 1705) | CuAl10Fe5Ni5 (EN1982/DIN1714) | CuAl10Fe5Ni5 (EN1982/DIN1714) | Stainless S. A4 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L   | H    | H-IN | ØV  | Weight | Code             |
|------|---------|-----|-----|------|------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm   | mm   | mm  | [kg]   | SAVAL            |
| 40   | 10/16   | 150 | 140 | 225  | 260  | 140 | 11     | SDCO708YYBR16040 |
| 50   | 10/16   | 165 | 150 | 240  | 280  | 140 | 13,5   | SDCO708YYBR16050 |
| 65   | 10/16   | 185 | 170 | 265  | 320  | 150 | 18     | SDCO708YYBR16065 |
| 80   | 10/16   | 200 | 180 | 305  | 370  | 150 | 23,5   | SDCO708YYBR16080 |
| 100  | 10/16   | 220 | 190 | 375  | 440  | 200 | 32,5   | SDCO708YYBR16100 |
| 125  | 10/16   | 250 | 200 | 427  | 485  | 200 | 44,5   | SDCO708YYBR16125 |
| 150  | 10/16   | 285 | 210 | 465  | 530  | 250 | 59,5   | SDCO708YYBR16150 |
| 200  | 10      | 340 | 230 | 605  | 715  | 300 | 107    | SDCO708YYBR10200 |
| 200  | 16      | 340 | 230 | 605  | 715  | 300 | 107    | SDCO708YYBR16200 |
| 250  | 10      | 395 | 250 | 650  | -    | 315 | 130    | SDCO708YYBR10250 |
| 250  | 16      | 405 | 250 | 650  | -    | 315 | 131    | SDCO708YYBR16250 |
| 300* | 10      | 445 | 270 | 820  | -    | 315 | 230    | SDCO708YYBR10300 |
| 350* | 10      | 505 | 290 | 990  | -    | 315 | 320,5  | SDCO708YYBR10350 |
| 400* | 10      | 565 | 310 | 1050 | -    | 315 | 411    | SDCO708YYBR10400 |

\*Supplied with gearbox.

YY = TA: without indicator RD: Gearbox  
IN: with indicator RI: Gearbox and indicator



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.



## GATE VALVE

Non rising stem. Mild Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 1984.
- ◆ Face to face EN 558 series 14 (DIN 3202 F4).
- ◆ Flanges according to EN 1092.

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized .
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 40-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4    | 15      |
|                                              | Up to 225°C | 8      | 12,8    |

### MATERIALS

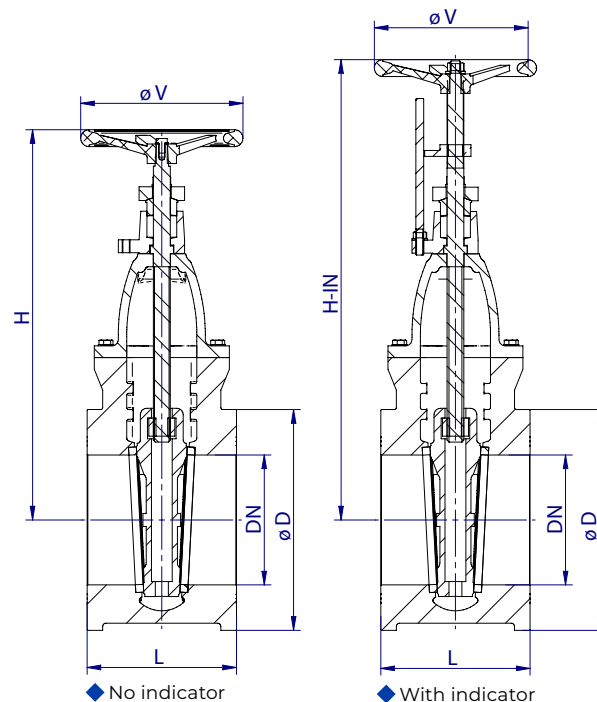
| DRAWING  | TYPE                      | BODY                                     | SEAT                    | STEM                   | SCREWS         | HANDWHEEL |
|----------|---------------------------|------------------------------------------|-------------------------|------------------------|----------------|-----------|
| C-200    | Non rising stem           | Mild Steel (GS-C 25) (EN10213/DIN 17245) | Bronze (Rg5) (DIN 1705) | Brass (MS-58)          | Mild Steel 8.8 | Aluminium |
| C-200 IN | Non rising stem indicator | Mild Steel (GS-C 25) (EN10213/DIN 17245) | Bronze (Rg5) (DIN 1705) | Brass (MS-58)          | Mild Steel 8.8 | Aluminium |
| C-202    | Non rising stem           | Mild Steel (GS-C 25) (EN10213/DIN 17245) | Stainless S. (AISI420)  | Stainless S. (AISI420) | Mild Steel 8.8 | Aluminium |
| C-202 IN | Non rising stem indicator | Mild Steel (GS-C 25) (EN10213/DIN 17245) | Stainless S. (AISI420)  | Stainless S. (AISI420) | Mild Steel 8.8 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L   | H    | H-IN | ØV  | Weight | Code             |
|------|---------|-----|-----|------|------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm   | mm   | mm  | [kg]   | SAVAL            |
| 40   | 10/16   | 150 | 140 | 225  | 260  | 140 | 10     | SDCOxxxYYBR16040 |
| 50   | 10/16   | 165 | 150 | 240  | 280  | 140 | 12     | SDCOxxxYYBR16050 |
| 65   | 10/16   | 185 | 170 | 265  | 320  | 150 | 16,5   | SDCOxxxYYBR16065 |
| 80   | 10/16   | 200 | 180 | 305  | 370  | 150 | 21     | SDCOxxxYYBR16080 |
| 100  | 10/16   | 220 | 190 | 375  | 440  | 200 | 30     | SDCOxxxYYBR16100 |
| 125  | 10/16   | 250 | 200 | 427  | 485  | 200 | 41     | SDCOxxxYYBR16125 |
| 150  | 10/16   | 285 | 210 | 465  | 530  | 250 | 55,5   | SDCOxxxYYBR16150 |
| 200  | 10      | 340 | 230 | 605  | 715  | 300 | 98     | SDCOxxxYYBR10200 |
| 200  | 16      | 340 | 230 | 605  | 715  | 300 | 98     | SDCOxxxYYBR16200 |
| 250  | 10      | 395 | 250 | 650  | -    | 315 | 119    | SDCOxxxYYBR10250 |
| 250  | 16      | 405 | 250 | 650  | -    | 315 | 120    | SDCOxxxYYBR16250 |
| 300* | 10      | 445 | 270 | 820  | -    | 315 | 211,5  | SDCOxxxYYBR10300 |
| 350* | 10      | 505 | 290 | 990  | -    | 315 | 300    | SDCOxxxYYBR10350 |
| 400* | 10      | 565 | 310 | 1050 | -    | 315 | 383    | SDCOxxxYYBR10400 |

\*Supplied with gearbox.  
xxx = drawing number

YY = TA: without indicator RD: Gearbox  
IN: with indicator RI: Gearbox and indicator



◆ Hydraulic tightness and sealing test according to EN 12266-1  
100% Valves tested.

## GATE VALVE

Non rising stem. Stainless Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 1984.
- ◆ Face to face EN 558 series 14 (DIN 3202 F4).
- ◆ Flanges according to EN 1092.

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized .
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 40-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5    | 15,2    |
|                                              | Up to 225°C | 7,3    | 11,6    |

### MATERIALS

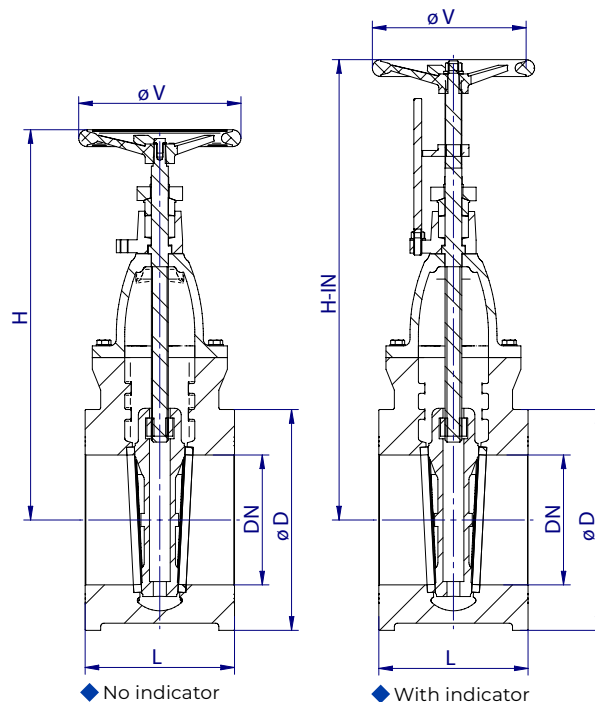
| DRAWING  | TYPE                      | BODY                                  | SEAT                                  | STEM                                  | SCREWS          | HANDWHEEL |
|----------|---------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-----------------|-----------|
| C-606    | Non rising stem           | Stainless S. A316 (EN10088/DIN 17440) | Stainless S. A316 (EN10088/DIN 17440) | Stainless S. A316 (EN10088/DIN 17440) | Stainless S. A4 | Aluminium |
| C-606 IN | Non rising stem indicator | Stainless S. A316 (EN10088/DIN 17440) | Stainless S. A316 (EN10088/DIN 17440) | Stainless S. A316 (EN10088/DIN 17440) | Stainless S. A4 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L   | H    | H-IN | ØV  | Weight | Code             |
|------|---------|-----|-----|------|------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm   | mm   | mm  | [kg]   | SAVAL            |
| 40   | 10/16   | 150 | 140 | 225  | 260  | 140 | 10     | SDCO606YYBR16040 |
| 50   | 10/16   | 165 | 150 | 240  | 280  | 140 | 12     | SDCO606YYBR16050 |
| 65   | 10/16   | 185 | 170 | 265  | 320  | 150 | 16,5   | SDCO606YYBR16065 |
| 80   | 10/16   | 200 | 180 | 305  | 370  | 150 | 21     | SDCO606YYBR16080 |
| 100  | 10/16   | 220 | 190 | 375  | 440  | 200 | 30     | SDCO606YYBR16100 |
| 125  | 10/16   | 250 | 200 | 427  | 485  | 200 | 41     | SDCO606YYBR16125 |
| 150  | 10/16   | 285 | 210 | 465  | 530  | 250 | 55,5   | SDCO606YYBR16150 |
| 200  | 10      | 340 | 230 | 605  | 715  | 300 | 98     | SDCO606YYBR10200 |
| 200  | 16      | 340 | 230 | 605  | 715  | 300 | 98     | SDCO606YYBR16200 |
| 250  | 10      | 395 | 250 | 650  | -    | 315 | 119    | SDCO606YYBR10250 |
| 250  | 16      | 405 | 250 | 650  | -    | 315 | 120    | SDCO606YYBR16250 |
| 300* | 10      | 445 | 270 | 820  | -    | 315 | 211,5  | SDCO606YYBR10300 |
| 350* | 10      | 505 | 290 | 990  | -    | 315 | 300    | SDCO606YYBR10350 |
| 400* | 10      | 565 | 310 | 1050 | -    | 315 | 383    | SDCO606YYBR10400 |

\*Supplied with gearbox.

YY = TA: without indicator RD: Gearbox  
IN: with indicator RI: Gearbox and indicator



◆ Hydraulic tightness and sealing test according to EN 12266-1  
100% Valves tested.

## GATE VALVE

Non rising stem. Nodular Cast Iron PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 1171 (DIN 3352 T3).
- ◆ Face to face EN 558 series 14 (DIN 3202 F4).
- ◆ Flanges according to EN 1092 (DIN 2633 PN16).

### OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized .
- ◆ Position indicator.

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 40-250 | 300-400 |
|----------------------------------------------|-------------|--------|---------|
| Nominal pressure                             | PN          | 10     | 16      |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16      |
|                                              | Up to 225°C | 8,9    | 8,9     |

### MATERIALS

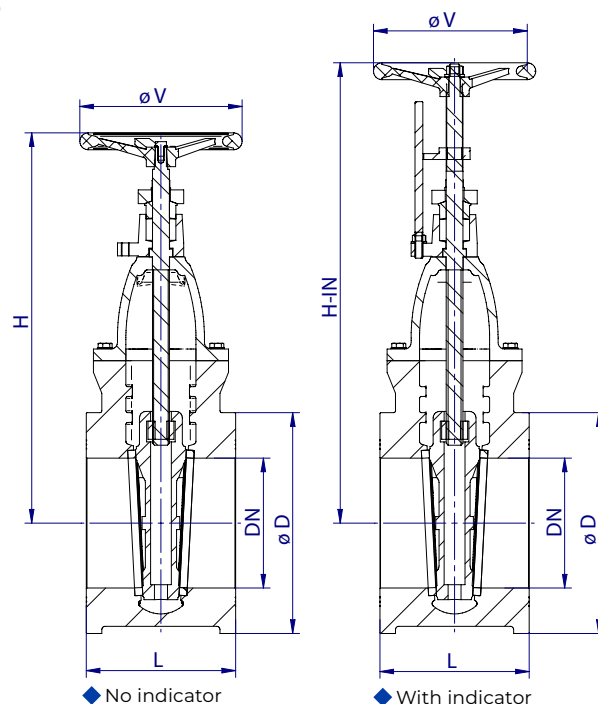
| DRAWING  | TYPE                      | BODY                                       | SEAT                    | STEM                   | SCREWS         | HANDHWEEL |
|----------|---------------------------|--------------------------------------------|-------------------------|------------------------|----------------|-----------|
| C-400    | Non rising stem           | Nodular Cast Iron (GGG40.3) (GJS400-18-LT) | Bronze (Rg5) (DIN 1705) | Brass (MS-58)          | Mild Steel 8.8 | Aluminium |
| C-400 IN | Non rising stem indicator | Nodular Cast Iron (GGG40.3) (GJS400-18-LT) | Bronze (Rg5) (DIN 1705) | Brass (MS-58)          | Mild Steel 8.8 | Aluminium |
| C-402    | Non rising stem           | Nodular Cast Iron (GGG40.3) (GJS400-18-LT) | Stainless S. (AISI420)  | Stainless S. (AISI420) | Mild Steel 8.8 | Aluminium |
| C-402 IN | Non rising stem indicator | Nodular Cast Iron (GGG40.3) (GJS400-18-LT) | Stainless S. (AISI420)  | Stainless S. (AISI420) | Mild Steel 8.8 | Aluminium |

### DIMENSIONS

| DN   | Flanges | ØD  | L   | H    | H-IN | ØV  | Weight | Code             |
|------|---------|-----|-----|------|------|-----|--------|------------------|
| mm   | PN      | mm  | mm  | mm   | mm   | mm  | [kg]   | SAVAL            |
| 40   | 10/16   | 150 | 140 | 225  | 260  | 140 | 9,5    | SDCOxxxYYBR16040 |
| 50   | 10/16   | 165 | 150 | 240  | 280  | 140 | 11     | SDCOxxxYYBR16050 |
| 65   | 10/16   | 185 | 170 | 265  | 320  | 150 | 15     | SDCOxxxYYBR16065 |
| 80   | 10/16   | 200 | 180 | 305  | 370  | 150 | 19,5   | SDCOxxxYYBR16080 |
| 100  | 10/16   | 220 | 190 | 375  | 440  | 200 | 27,5   | SDCOxxxYYBR16100 |
| 125  | 10/16   | 250 | 200 | 427  | 485  | 200 | 38     | SDCOxxxYYBR16125 |
| 150  | 10/16   | 285 | 210 | 465  | 530  | 250 | 51     | SDCOxxxYYBR16150 |
| 200  | 10      | 340 | 230 | 605  | 715  | 300 | 91     | SDCOxxxYYBR10200 |
| 200  | 16      | 340 | 230 | 605  | 715  | 300 | 91     | SDCOxxxYYBR16200 |
| 250  | 10      | 395 | 250 | 650  | -    | 315 | 111    | SDCOxxxYYBR10250 |
| 250  | 16      | 405 | 250 | 650  | -    | 315 | 112    | SDCOxxxYYBR16250 |
| 300* | 10      | 445 | 270 | 820  | -    | 315 | 197    | SDCOxxxYYBR10300 |
| 350* | 10      | 505 | 290 | 990  | -    | 315 | 280    | SDCOxxxYYBR10350 |
| 400* | 10      | 565 | 310 | 1050 | -    | 315 | 357    | SDCOxxxYYBR10400 |

\*Supplied with gearbox.  
xxx = drawing number

YY = TA: without indicator RD: Gearbox  
IN: with indicator RI: Gearbox and indicator



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.



## **BUTTERFLY VALVES**

# BUTTERFLY VALVE

Lug. Bronze PN 10/16

## CHARACTERISTICS

### Design:

- ◆ EN 593 / ISO 10631.
- ◆ Face to face EN 558-1 Series 20 (DIN 3202).
- ◆ Flanges EN 1092 (DIN 2501).
- ◆ ISO-TOP flange according to 5211.

## OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized

### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

## WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 32-400 |    |
| Normal pressure                              | PN          | 10     | 16 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16 |

## MATERIALS

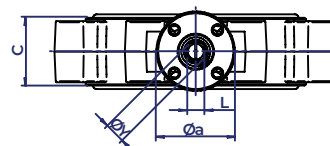
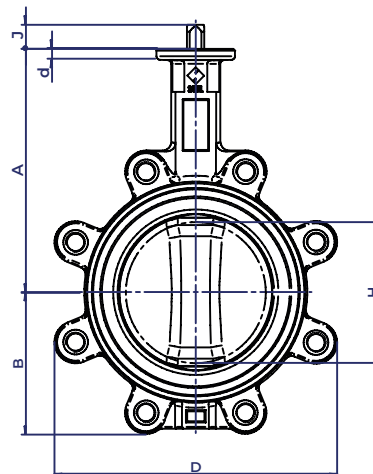
| DRAWING  | TYPE | BODY                        | BUTTERFLY                      | STEATS | STEM                |
|----------|------|-----------------------------|--------------------------------|--------|---------------------|
| ML-728-N | Lug  | Bronze (Rg10)<br>(DIN 1705) | CuAl10Ni (EN 1982) /<br>C95800 | NBR    | Stainless Steel 420 |
| ML-728-E | Lug  | Bronze (Rg10)<br>(DIN 1705) | CuAl10Ni (EN 1982) /<br>C95800 | EPDM   | Stainless Steel 420 |

## DIMENSIONS

| DN  | Flanges | A   | B   | C   | D   | H     | J    | L  | ØY   | Øa  | d  | ISO Top Flange | Torque 10/16* | Weight | Code              |
|-----|---------|-----|-----|-----|-----|-------|------|----|------|-----|----|----------------|---------------|--------|-------------------|
| mm  | PN      | mm  | mm  | mm  | mm  | mm    | mm   | mm | mm   | mm  | mm |                | [Nm]          | [kg]   | SAVAL             |
| 32  | 10/16   | 130 | 54  | 33  | 106 | 26    | 16,5 | 11 | 13   | 65  | 10 | F-05           | 10/16         | 2,5    | SDML728YZ20516032 |
| 40  | 10/16   | 130 | 54  | 33  | 106 | 26    | 16,5 | 11 | 13   | 65  | 10 | F-05           | 10/16         | 2,5    | SDML728YZ20516040 |
| 50  | 10/16   | 135 | 63  | 43  | 119 | 29,5  | 16,5 | 11 | 13   | 65  | 10 | F-05           | 12/17         | 3      | SDML728YZ20516050 |
| 65  | 10/16   | 150 | 71  | 46  | 133 | 49    | 16,5 | 11 | 13   | 65  | 10 | F-05           | 22/26         | 4,5    | SDML728YZ20516065 |
| 80  | 10/16   | 160 | 90  | 46  | 178 | 67,5  | 19,5 | 11 | 13   | 65  | 10 | F-05           | 25/30         | 5,5    | SDML728YZ20516080 |
| 100 | 10/16   | 180 | 101 | 52  | 201 | 86,5  | 19,5 | 11 | 13   | 65  | 10 | F-05           | 45/55         | 7,5    | SDML728YZ20516100 |
| 125 | 10/16   | 196 | 115 | 56  | 232 | 113,5 | 19,5 | 14 | 17   | 65  | 10 | F-05           | 74/86         | 9,5    | SDML728YZ20516125 |
| 150 | 10/16   | 210 | 130 | 56  | 257 | 142   | 19,5 | 14 | 17   | 90  | 12 | F-07           | 95/115        | 11,5   | SDML728YZ20716150 |
| 200 | 10      | 240 | 156 | 60  | 323 | 191,5 | 24,5 | 17 | 21   | 90  | 12 | F-07           | 143           | 16,5   | SDML728YZ20710200 |
| 200 | 16      | 240 | 156 | 60  | 323 | 191,5 | 24,5 | 17 | 21   | 90  | 12 | F-07           | 215           | 17,5   | SDML728YZ20716200 |
| 250 | 10      | 275 | 195 | 68  | 390 | 240   | 29,5 | 22 | 26,5 | 125 | 15 | F-10           | 272           | 30,5   | SDML728YZ21010250 |
| 250 | 16      | 275 | 195 | 68  | 390 | 240   | 29,5 | 22 | 26,5 | 125 | 15 | F-10           | 350           | 29,5   | SDML728YZ21016250 |
| 300 | 10      | 310 | 229 | 78  | 458 | 289   | 29,5 | 22 | 26,5 | 125 | 15 | F-10           | 395           | 44     | SDML728YZ21010300 |
| 300 | 16      | 310 | 229 | 78  | 458 | 289   | 29,5 | 22 | 26,5 | 125 | 15 | F-10           | 565           | 43     | SDML728YZ21016300 |
| 350 | 10      | 335 | 262 | 78  | 523 | 329,5 | 29,5 | 22 | 26,5 | 150 | 17 | F-12           | 500           | 65     | SDML728YZ21210350 |
| 350 | 16      | 335 | 262 | 78  | 523 | 329,5 | 29,5 | 22 | 26,5 | 150 | 17 | F-12           | 955           | 65     | SDML728YZ21216350 |
| 400 | 10      | 365 | 307 | 102 | 590 | 381   | 36,5 | 27 | 33   | 175 | 18 | F-14           | 700           | 94,5   | SDML728YZ21410400 |
| 400 | 16      | 365 | 307 | 102 | 590 | 381   | 36,5 | 27 | 33   | 175 | 18 | F-14           | 1000          | 94,5   | SDML728YZ21416400 |

\*Operating torques for EPDM, water at 20°C, and optimal assembly conditions. For other elastomers, this may vary significantly.

Y = 1 Rilsan Z = 1 EPDM  
2 Without paint 2 NBR \*more options available



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.



## BUTTERFLY VALVE

Lug. Bronze PN 10/16

### ELASTIC RINGS -ELASTIC RINGS SELECTION

| TYPE           | COMPOSITION                                       | COLOUR | APPLICATIONS                                                                                                          | LIMITATIONS                                                                      | WORKING TEMP. |
|----------------|---------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------|
| EPDM           | Ethylene-propylene thermopolymer ENB              | Black  | Mineral acid solutions, alkaline solutions of mineral bases, organic salt dissolutions, alcohols, water and seawater. | Not recommended for organic hydrocarbons.                                        | - 20° / 90°   |
| NBR            | Acrylonitrile-butadiene copolymer                 | Black  | Mineral oils, vegetable oils, gas, non-aromatic hydrocarbons, animal fats, vegetable fats, air.                       | Organic acids, some mineral acids, chlorine, alcohols, aromatic hydrocarbons.    | - 10° / 90°   |
| FPM (VITON)    | Hexafluoropropylene vinylidene fluoride copolymer | Black  | Acids, facts, hydrocarbons, vegetable and mineral oils, fuels.                                                        | Steam and hot water (up to 130°C), unleaded gasoline, ketones, amines, Freon-22. | - 5° / 200°   |
| STEAM SILICONE |                                                   | Grey   | Steam and super heated water.                                                                                         | Hydrocarbons, strong acids, and strong bases.                                    | - 55° / 140°  |

\* Other materials under request (white EPDM, Flucastr, white Viton...)

### VALVE ACTUATION

| Type                | Our butterfly valves can be operated by any of the following types of actuators                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Free Shaft          | Ready to be actuated according to ISO TOP 5211.                                                           |
| Manual operation    | Lever, handwheel, worm gear.                                                                              |
| Pneumatic actuation | Quarter turn actuators, double acting or spring return. Linear cylinders, double acting or spring return. |
| Hydraulic actuation | Linear, double acting or spring return                                                                    |
| Electric actuation  | Electric actuators.                                                                                       |

# BUTTERFLY VALVE

Lug. Stainless Steel PN 10/16

## CHARACTERISTICS

### Design:

- ◆ EN 593 / ISO 10631.
- ◆ Face to face EN 558-1 Series 20 (DIN 3202).
- ◆ Flanges EN 1092 (DIN 2501).
- ◆ ISO-TOP flange according to 5211.

## OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized

### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

## WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 32-400 |    |
| Nominal pressure                             | PN          | 10     | 16 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16 |

## MATERIALS

| DRAWING  | TYPE | BODY                             | BUTTERFLY                        | SEATS | STEM                |
|----------|------|----------------------------------|----------------------------------|-------|---------------------|
| ML-626-N | Lug  | AISI 316<br>(ASTM 351/351M CF8M) | AISI 316<br>(ASTM 351/351M CF8M) | NBR   | Stainless Steel 420 |
| ML-626-E | Lug  | AISI 316<br>(ASTM 351/351M CF8M) | AISI 316<br>(ASTM 351/351M CF8M) | EPDM  | Stainless Steel 420 |

## DIMENSIONS

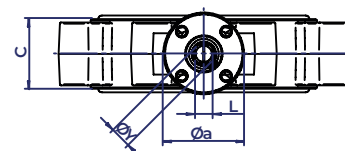
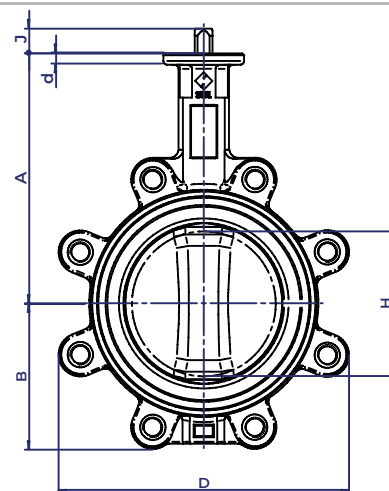
| DN  | Flanges | A   | B   | C   | D   | H     | J    | L  | ØY   | Øa  | d  | ISO Top Flange | Torque 10/16* | Weight | Code              |
|-----|---------|-----|-----|-----|-----|-------|------|----|------|-----|----|----------------|---------------|--------|-------------------|
| mm  | PN      | mm  | mm  | mm  | mm  | mm    | mm   | mm | mm   | mm  | mm |                | [Nm]          | [kg]   | SAVAL             |
| 32  | 10/16   | 130 | 54  | 33  | 106 | 26    | 16,5 | 11 | 13   | 65  | 10 | F-05           | 10/16         | 2,5    | SDML626YZ20516032 |
| 40  | 10/16   | 130 | 54  | 33  | 106 | 26    | 16,5 | 11 | 13   | 65  | 10 | F-05           | 10/16         | 2,5    | SDML626YZ20516040 |
| 50  | 10/16   | 135 | 63  | 43  | 119 | 29,5  | 16,5 | 11 | 13   | 65  | 10 | F-05           | 12/17         | 3      | SDML626YZ20516050 |
| 65  | 10/16   | 150 | 71  | 46  | 133 | 49    | 16,5 | 11 | 13   | 65  | 10 | F-05           | 22/26         | 4      | SDML626YZ20516065 |
| 80  | 10/16   | 160 | 90  | 46  | 178 | 67,5  | 19,5 | 11 | 13   | 65  | 10 | F-05           | 25/30         | 5      | SDML626YZ20516080 |
| 100 | 10/16   | 180 | 101 | 52  | 201 | 86,5  | 19,5 | 11 | 13   | 65  | 10 | F-05           | 45/55         | 7      | SDML626YZ20516100 |
| 125 | 10/16   | 196 | 115 | 56  | 232 | 113,5 | 19,5 | 14 | 17   | 65  | 10 | F-05           | 74/86         | 9      | SDML626YZ20516125 |
| 150 | 10/16   | 210 | 130 | 56  | 257 | 142   | 19,5 | 14 | 17   | 90  | 12 | F-07           | 95/115        | 11     | SDML626YZ20716150 |
| 200 | 10      | 240 | 156 | 60  | 323 | 191,5 | 24,5 | 17 | 21   | 90  | 12 | F-07           | 143           | 16     | SDML626YZ20710200 |
| 200 | 16      | 240 | 156 | 60  | 323 | 191,5 | 24,5 | 17 | 21   | 90  | 12 | F-07           | 215           | 16,5   | SDML626YZ20716200 |
| 250 | 10      | 275 | 195 | 68  | 390 | 240   | 29,5 | 22 | 26,5 | 125 | 15 | F-10           | 272           | 29     | SDML626YZ21010250 |
| 250 | 16      | 275 | 195 | 68  | 390 | 240   | 29,5 | 22 | 26,5 | 125 | 15 | F-10           | 350           | 28     | SDML626YZ21016250 |
| 300 | 10      | 310 | 229 | 78  | 458 | 289   | 29,5 | 22 | 26,5 | 125 | 15 | F-10           | 395           | 42     | SDML626YZ21010300 |
| 300 | 16      | 310 | 229 | 78  | 458 | 289   | 29,5 | 22 | 26,5 | 125 | 15 | F-10           | 565           | 41     | SDML626YZ21016300 |
| 350 | 10      | 335 | 262 | 78  | 523 | 329,5 | 29,5 | 22 | 26,5 | 150 | 17 | F-12           | 500           | 62     | SDML626YZ21210350 |
| 350 | 16      | 335 | 262 | 78  | 523 | 329,5 | 29,5 | 22 | 26,5 | 150 | 17 | F-12           | 955           | 62     | SDML626YZ21216350 |
| 400 | 10      | 365 | 307 | 102 | 590 | 381   | 36,5 | 27 | 33   | 175 | 18 | F-14           | 700           | 90,5   | SDML626YZ21410400 |
| 400 | 16      | 365 | 307 | 102 | 590 | 381   | 36,5 | 27 | 33   | 175 | 18 | F-14           | 1000          | 90,5   | SDML626YZ21416400 |

\*Operating torques for EPDM, water at 20°C, and optimal assembly conditions. For other elastomers, this may vary significantly.

Y = 2 Without paint

Z = 1 EPDM

2 NBR \*more options available



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

## BUTTERFLY VALVE

Lug. Stainless Steel PN 10/16

### ELASTIC RINGS -ELASTIC RINGS SELECTION

| TYPE           | COMPOSITION                                       | COLOUR | APPLICATIONS                                                                                                          | LIMITATIONS                                                                      | WORKING TEMP. |
|----------------|---------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------|
| EPDM           | Ethylene-propylene thermopolymer ENB              | Black  | Mineral acid solutions, alkaline solutions of mineral bases, organic salt dissolutions, alcohols, water and seawater. | Not recommended for organic hydrocarbons.                                        | - 20° / 90°   |
| NBR            | Acrylonitrile-butadiene copolymer                 | Black  | Mineral oils, vegetable oils, gas, non-aromatic hydrocarbons, animal fats, vegetable fats, air.                       | Organic acids, some mineral acids, chlorine, alcohols, aromatic hydrocarbons.    | - 10° / 90°   |
| FPM (VITON)    | Hexafluoropropylene vinylidene fluoride copolymer | Black  | Acids, facts, hydrocarbons, vegetable and mineral oils, fuels.                                                        | Steam and hot water (up to 130°C), unleaded gasoline, ketones, amines, Freon-22. | - 5° / 200°   |
| STEAM SILICONE |                                                   | Grey   | Steam and super heated water.                                                                                         | Hydrocarbons, strong acids, and strong bases.                                    | - 55° / 140°  |

\* Other materials under request (white EPDM, Flucast, white Viton...)

### VALVE ACTUATION

| Type                | Our butterfly valves can be operated by any of the following types of actuators                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Free Shaft          | Ready to be actuated according to ISO TOP 5211.                                                           |
| Manual operation    | Lever, handwheel, worm gear.                                                                              |
| Pneumatic actuation | Quarter turn actuators, double acting or spring return. Linear cylinders, double acting or spring return. |
| Hydraulic actuation | Linear, double acting or spring return                                                                    |
| Electric actuation  | Electric actuators.                                                                                       |

# BUTTERFLY VALVE

Lug. Nodular Cast Iron PN 10/16

## CHARACTERISTICS

### Design:

- ◆ EN 593 / ISO 10631.
- ◆ Face to face EN 558-1 Series 20 (DIN 3202).
- ◆ Flanges EN 1092 (DIN 2501).
- ◆ ISO-TOP flange according to 5211.

## OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized

### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

## WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 32-400 |    |
| Nominal pressure                             | PN          | 10     | 16 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16 |

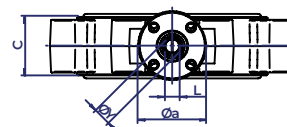
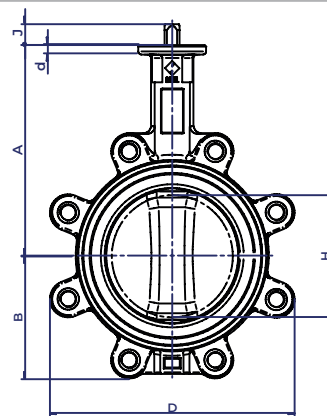
## MATERIALS

| DRAWING  | TYPE | BODY                                           | BUTTERFLY                                      | SEATS | STEAM               |
|----------|------|------------------------------------------------|------------------------------------------------|-------|---------------------|
| ML-404-N | Lug  | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | NBR   | Stainless Steel 420 |
| ML-404-E | Lug  | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | EPDM  | Stainless Steel 420 |
| ML-406-N | Lug  | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | AISI 316 (ASTM 351/351M CF8M)                  | NBR   | Stainless Steel 420 |
| ML-406-E | Lug  | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | AISI 316 (ASTM 351/351M CF8M)                  | EPDM  | Stainless Steel 420 |
| ML-408-N | Lug  | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | CuAl10Ni (EN 1982)                             | NBR   | Stainless Steel 420 |
| ML-408-E | Lug  | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | CuAl10Ni (EN 1982)                             | EPDM  | Stainless Steel 420 |

## DIMENSIONS

| DN  | Flanges | A   | B   | C   | D   | H     | J    | L  | ØY   | Øa  | d  | ISO Top Flange | Torque 10/16* | Weight | Code              |
|-----|---------|-----|-----|-----|-----|-------|------|----|------|-----|----|----------------|---------------|--------|-------------------|
| mm  | PN      | mm  | mm  | mm  | mm  | mm    | mm   | mm | mm   | mm  | mm |                | [Nm]          | [kg]   | SAVAL             |
| 32  | 10/16   | 130 | 54  | 33  | 106 | 26    | 16,5 | 11 | 13   | 65  | 10 | F-05           | 10/16         | 2      | SDMLxxxYZ20516032 |
| 40  | 10/16   | 130 | 54  | 33  | 106 | 26    | 16,5 | 11 | 13   | 65  | 10 | F-05           | 10/16         | 2      | SDMLxxxYZ20516040 |
| 50  | 10/16   | 135 | 63  | 43  | 119 | 29,5  | 16,5 | 11 | 13   | 65  | 10 | F-05           | 12/17         | 3      | SDMLxxxYZ20516050 |
| 65  | 10/16   | 150 | 71  | 46  | 133 | 49    | 16,5 | 11 | 13   | 65  | 10 | F-05           | 22/26         | 4      | SDMLxxxYZ20516065 |
| 80  | 10/16   | 160 | 90  | 46  | 178 | 67,5  | 19,5 | 11 | 13   | 65  | 10 | F-05           | 25/30         | 5      | SDMLxxxYZ20516080 |
| 100 | 10/16   | 180 | 101 | 52  | 201 | 86,5  | 19,5 | 11 | 13   | 65  | 10 | F-05           | 45/55         | 6      | SDMLxxxYZ20516100 |
| 125 | 10/16   | 196 | 115 | 56  | 232 | 113,5 | 19,5 | 14 | 17   | 65  | 10 | F-05           | 74/86         | 8      | SDMLxxxYZ20516125 |
| 150 | 10/16   | 210 | 130 | 56  | 257 | 142   | 19,5 | 14 | 17   | 90  | 12 | F-07           | 95/115        | 10     | SDMLxxxYZ20716150 |
| 200 | 10      | 240 | 156 | 60  | 323 | 191,5 | 24,5 | 17 | 21   | 90  | 12 | F-07           | 143           | 15     | SDMLxxxYZ20710200 |
| 200 | 16      | 240 | 156 | 60  | 323 | 191,5 | 24,5 | 17 | 21   | 90  | 12 | F-07           | 215           | 15     | SDMLxxxYZ20716200 |
| 250 | 10      | 275 | 195 | 68  | 390 | 240   | 29,5 | 22 | 26,5 | 125 | 15 | F-10           | 272           | 27     | SDMLxxxYZ21010250 |
| 250 | 16      | 275 | 195 | 68  | 390 | 240   | 29,5 | 22 | 26,5 | 125 | 15 | F-10           | 350           | 26     | SDMLxxxYZ21016250 |
| 300 | 10      | 310 | 229 | 78  | 458 | 289   | 29,5 | 22 | 26,5 | 125 | 15 | F-10           | 395           | 39     | SDMLxxxYZ21010300 |
| 300 | 16      | 310 | 229 | 78  | 458 | 289   | 29,5 | 22 | 26,5 | 125 | 15 | F-10           | 565           | 38     | SDMLxxxYZ21016300 |
| 350 | 10      | 335 | 262 | 78  | 523 | 329,5 | 29,5 | 22 | 26,5 | 150 | 17 | F-12           | 500           | 57     | SDMLxxxYZ21210350 |
| 350 | 16      | 335 | 262 | 78  | 523 | 329,5 | 29,5 | 22 | 26,5 | 150 | 17 | F-12           | 955           | 57     | SDMLxxxYZ21216350 |
| 400 | 10      | 365 | 307 | 102 | 590 | 381   | 36,5 | 27 | 33   | 175 | 18 | F-14           | 700           | 83     | SDMLxxxYZ21410400 |
| 400 | 16      | 365 | 307 | 102 | 590 | 381   | 36,5 | 27 | 33   | 175 | 18 | F-14           | 1000          | 83     | SDMLxxxYZ21416400 |
| 450 | 10      | 405 | 375 | 114 | 640 | 435   | 41   | 36 | 48   | 175 | 18 | F-14           | 1455          | 113    | SDMLxxxYZ21410450 |
| 450 | 16      | 405 | 375 | 114 | 640 | 435   | 41   | 36 | 48   | 175 | 18 | F-14           | 1955          | 111    | SDMLxxxYZ21416450 |
| 600 | 10      | 530 | 468 | 154 | 840 | 575   | 49   | 46 | 58   | 210 | 24 | F-16           | 3460          | 250    | SDMLxxxYZ21610600 |
| 600 | 16      | 530 | 468 | 154 | 840 | 575   | 49   | 46 | 58   | 210 | 24 | F-16           | 3860          | 245    | SDMLxxxYZ21616600 |

Y = 1 Rilsan Z = 1 EPDM  
2 Without paint 2 NBR \*more options available



- ◆ Hydraulic tightness and sealing test according to EN 12266-1 100% Valves tested.

## BUTTERFLY VALVE

Lug. Nodular Cast Iron PN 10/16

### ELASTIC RINGS -ELASTIC RINGS SELECTION

| TYPE           | COMPOSITION                                       | COLOUR | APPLICATIONS                                                                                                          | LIMITATIONS                                                                      | WORKING TEMP. |
|----------------|---------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------|
| EPDM           | Ethylene-propylene thermopolymer ENB              | Black  | Mineral acid solutions, alkaline solutions of mineral bases, organic salt dissolutions, alcohols, water and seawater. | Not recommended for organic hydrocarbons.                                        | - 20° / 90°   |
| NBR            | Acrylonitrile-butadiene copolymer                 | Black  | Mineral oils, vegetable oils, gas, non-aromatic hydrocarbons, animal fats, vegetable fats, air.                       | Organic acids, some mineral acids, chlorine, alcohols, aromatic hydrocarbons.    | - 10° / 90°   |
| FPM (VITON)    | Hexafluoropropylene vinylidene fluoride copolymer | Black  | Acids, facts, hydrocarbons, vegetable and mineral oils, fuels.                                                        | Steam and hot water (up to 130°C), unleaded gasoline, ketones, amines, Freon-22. | - 5° / 200°   |
| STEAM SILICONE |                                                   | Grey   | Steam and super heated water.                                                                                         | Hydrocarbons, strong acids, and strong bases.                                    | - 55° / 140°  |

\* Other materials under request (white EPDM, Flucast, white Viton...)

### VALVE ACTUATION

| Type                | Our butterfly valves can be operated by any of the following types of actuators                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Free Shaft          | Ready to be actuated according to ISO TOP 5211.                                                           |
| Manual operation    | Lever, handwheel, worm gear.                                                                              |
| Pneumatic actuation | Quarter turn actuators, double acting or spring return. Linear cylinders, double acting or spring return. |
| Hydraulic actuation | Linear, double acting or spring return                                                                    |
| Electric actuation  | Electric actuators.                                                                                       |



# BUTTERFLY VALVE

Wafer. Bronze PN 10/16

## CHARACTERISTICS

### Design:

- ◆ EN 593 / ISO 10631.
- ◆ Face to face EN 558-1 Series 20 (DIN 3202).
- ◆ Flanges EN 1092 (DIN 2501).
- ◆ ISO-TOP flange according to 5211.

## OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized

### Integrated Logistics Support (ILS):

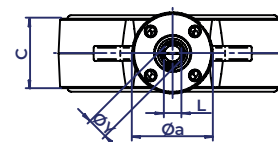
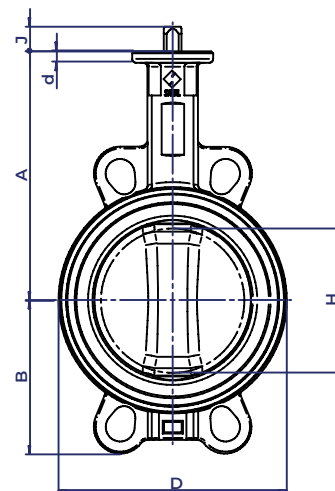
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

## WORKING CONDITIONS

|                                              |             |        |
|----------------------------------------------|-------------|--------|
| Size                                         | DN          | 32-400 |
| Nominal pressure                             | PN          | 10 16  |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10 16  |

## MATERIALS

| DRAWING  | TYPE  | BODY                        | BUTTERFLY                      | SEATS | STEM                |
|----------|-------|-----------------------------|--------------------------------|-------|---------------------|
| MW-728-N | Wafer | Bronze (Rg10)<br>(DIN 1705) | CuAl10Ni (EN 1982) /<br>C95800 | NBR   | Stainless Steel 420 |
| MW-728-E | Wafer | Bronze (Rg10)<br>(DIN 1705) | CuAl10Ni (EN 1982) /<br>C95800 | EPDM  | Stainless Steel 420 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1  
100% Valves tested.

## DIMENSIONS

| DN  | Flange | A   | B   | C   | D   | H     | J    | L  | ØY   | Øa  | d  | ISO Top Flange | Torque 10/16* | Weight | Code              |
|-----|--------|-----|-----|-----|-----|-------|------|----|------|-----|----|----------------|---------------|--------|-------------------|
| mm  | PN     | mm  | mm  | mm  | mm  | mm    | mm   | mm | mm   | mm  | mm |                | [Nm]          | [kg]   | SAVAL             |
| 32  | 10/16  | 130 | 55  | 33  | 110 | 26    | 16,5 | 11 | 13   | 65  | 10 | F05            | 10/16         | 2      | SDMW728YX20516032 |
| 40  | 10/16  | 130 | 55  | 33  | 110 | 26    | 16,5 | 11 | 13   | 65  | 10 | F05            | 10/16         | 2      | SDMW728YX20516040 |
| 50  | 10/16  | 135 | 63  | 43  | 123 | 29,5  | 16,5 | 11 | 13   | 65  | 10 | F05            | 12/17         | 2,5    | SDMW728YX20516050 |
| 65  | 10/16  | 150 | 72  | 46  | 137 | 49    | 16,5 | 11 | 13   | 65  | 10 | F05            | 22/26         | 3,5    | SDMW728YX20516065 |
| 80  | 10/16  | 160 | 91  | 46  | 148 | 67,5  | 19,5 | 11 | 13   | 65  | 10 | F05            | 25/30         | 4      | SDMW728YX20516080 |
| 100 | 10/16  | 180 | 106 | 52  | 160 | 86,5  | 19,5 | 11 | 13   | 65  | 10 | F05            | 45/55         | 5,5    | SDMW728YX20516100 |
| 125 | 10/16  | 196 | 121 | 56  | 180 | 113,5 | 19,5 | 14 | 17   | 65  | 10 | F05            | 74/86         | 7      | SDMW728YX20516125 |
| 150 | 10/16  | 210 | 133 | 56  | 206 | 142   | 19,5 | 14 | 17   | 90  | 12 | F07            | 95/115        | 8,5    | SDMW728YX20716150 |
| 200 | 10/16  | 240 | 164 | 60  | 261 | 191,5 | 24,5 | 17 | 21   | 90  | 12 | F07            | 143/215       | 13     | SDMW728YX20716200 |
| 250 | 10/16  | 275 | 199 | 68  | 318 | 240   | 29,5 | 22 | 26,5 | 125 | 15 | F10            | 272/350       | 22     | SDMW728YX21016250 |
| 300 | 10/16  | 310 | 233 | 78  | 372 | 289   | 29,5 | 22 | 26,5 | 125 | 15 | F10            | 395/565       | 32     | SDMW728YX21016300 |
| 350 | 10/16  | 335 | 258 | 78  | 421 | 329,5 | 29,5 | 22 | 26,5 | 150 | 17 | F12            | 500/955       | 43,5   | SDMW728YX21216350 |
| 400 | 10/16  | 365 | 307 | 102 | 471 | 381   | 36,5 | 27 | 33   | 175 | 18 | F14            | 700/1000      | 58,5   | SDMW728YX21416400 |

\*Operating torques for EPDM, water at 20°C, and optimal assembly conditions. For other elastomers, this may vary significantly.

Y = 1 Rilsan Z = 1 EPDM  
2 Without paint 2 NBR \*more options available

## BUTTERFLY VALVE

Wafer. Bronze PN 10/16

### ELASTIC RINGS -ELASTIC RINGS SELECTION

| TYPE           | COMPOSITION                                      | COLOUR | APPLICATIONS                                                                                                          | LIMITATIONS                                                                      | WORKING TEMP. |
|----------------|--------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------|
| EPDM           | Ethylene-propylene thermopolymer ENB             | Black  | Mineral acid solutions, alkaline solutions of mineral bases, organic salt dissolutions, alcohols, water and seawater. | Not recommended for organic hydrocarbons.                                        | - 20° / 90°   |
| NBR            | Acrylonitrile-butadiene copolymer                | Black  | Mineral oils, vegetable oils, gas, non-aromatic hydrocarbons, animal fats, vegetable fats, air.                       | Organic acids, some mineral acids, chlorine, alcohols, aromatic hydrocarbons.    | - 10° / 90°   |
| FPM (VITON)    | Hexafluorpropylene vinylidene fluoride copolymer | Black  | Acids, facts, hydrocarbons, vegetable and mineral oils, fuels.                                                        | Steam and hot water (up to 130°C), unleaded gasoline, ketones, amines, Freon-22. | - 5° / 200°   |
| STEAM SILICONE |                                                  | Grey   | Steam and super heated water.                                                                                         | Hydrocarbons, strong acids, and strong bases.                                    | - 55° / 140°  |

\* Other materials under request (white EPDM, Flucastr, white Viton...)

### VALVE ACTUATION

| Type                | Our butterfly valves can be operated by any of the following types of actuators                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Free Shaft          | Ready to be actuated according to ISO TOP 5211.                                                           |
| Manual operation    | Lever, handwheel, worm gear.                                                                              |
| Pneumatic actuation | Quarter turn actuators, double acting or spring return. Linear cylinders, double acting or spring return. |
| Hydraulic actuation | Linear, double acting or spring return                                                                    |
| Electric actuation  | Electric actuators.                                                                                       |

# BUTTERFLY VALVE

Wafer. Stainless Steel PN 10/16

## CHARACTERISTICS

### Design:

- ◆ EN 593 / ISO 10631.
- ◆ Face to face EN 558-1 Series 20 (DIN 3202).
- ◆ Flanges EN 1092 (DIN 2501).
- ◆ ISO-TOP flange according to 5211.

## OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized

### Integrated Logistics Support (ILS):

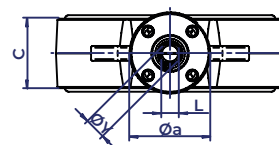
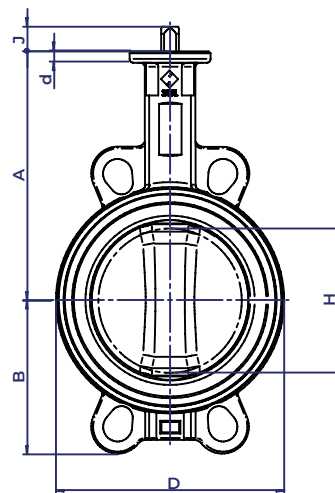
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

## WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 32-400 |    |
| Nominal pressure                             | PN          | 10     | 16 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16 |

## MATERIALS

| DRAWING  | TYPE  | BODY                             | BUTTERFLY                        | SEATS | STEM                |
|----------|-------|----------------------------------|----------------------------------|-------|---------------------|
| MW-626-N | Wafer | AISI 316<br>(ASTM 351/351M CF8M) | AISI 316<br>(ASTM 351/351M CF8M) | NBR   | Stainless Steel 420 |
| MW-626-E | Wafer | AISI 316<br>(ASTM 351/351M CF8M) | AISI 316<br>(ASTM 351/351M CF8M) | EPDM  | Stainless Steel 420 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

## DIMENSIONS

| DN  | Flanges | A   | B   | C   | D   | H     | J    | L  | ØY   | Øa  | d  | ISO Top Flange | Torque 10/16* | Weight | Code              |
|-----|---------|-----|-----|-----|-----|-------|------|----|------|-----|----|----------------|---------------|--------|-------------------|
| mm  | PN      | mm  | mm  | mm  | mm  | mm    | mm   | mm | mm   | mm  | mm |                | [Nm]          | [kg]   | SAVAL             |
| 32  | 10/16   | 130 | 55  | 33  | 110 | 26    | 16,5 | 11 | 13   | 65  | 10 | F05            | 10/16         | 1,5    | SDMW626YZ20516032 |
| 40  | 10/16   | 130 | 55  | 33  | 110 | 26    | 16,5 | 11 | 13   | 65  | 10 | F05            | 10/16         | 1,5    | SDMW626YZ20516040 |
| 50  | 10/16   | 135 | 63  | 43  | 123 | 29,5  | 16,5 | 11 | 13   | 65  | 10 | F05            | 12/17         | 2,5    | SDMW626YZ20516050 |
| 65  | 10/16   | 150 | 72  | 46  | 137 | 49    | 16,5 | 11 | 13   | 65  | 10 | F05            | 22/26         | 3      | SDMW626YZ20516065 |
| 80  | 10/16   | 160 | 91  | 46  | 148 | 67,5  | 19,5 | 11 | 13   | 65  | 10 | F05            | 25/30         | 3,5    | SDMW626YZ20516080 |
| 100 | 10/16   | 180 | 106 | 52  | 160 | 86,5  | 19,5 | 11 | 13   | 65  | 10 | F05            | 45/55         | 5      | SDMW626YZ20516100 |
| 125 | 10/16   | 196 | 121 | 56  | 180 | 113,5 | 19,5 | 14 | 17   | 65  | 10 | F05            | 74/86         | 6,5    | SDMW626YZ20516125 |
| 150 | 10/16   | 210 | 133 | 56  | 206 | 142   | 19,5 | 14 | 17   | 90  | 12 | F07            | 95/115        | 8      | SDMW626YZ20716150 |
| 200 | 10/16   | 240 | 164 | 60  | 261 | 191,5 | 24,5 | 17 | 21   | 90  | 12 | F07            | 143/215       | 12,6   | SDMW626YZ20716200 |
| 250 | 10/16   | 275 | 199 | 68  | 318 | 240   | 29,5 | 22 | 26,5 | 125 | 15 | F10            | 272/350       | 21,5   | SDMW626YZ21016250 |
| 300 | 10/16   | 310 | 233 | 78  | 372 | 289   | 29,5 | 22 | 26,5 | 125 | 15 | F10            | 395/565       | 30,5   | SDMW626YZ21016300 |
| 350 | 10/16   | 335 | 258 | 78  | 421 | 329,5 | 29,5 | 22 | 26,5 | 150 | 17 | F12            | 500/955       | 42     | SDMW626YZ21216350 |
| 400 | 10/16   | 365 | 307 | 102 | 471 | 381   | 36,5 | 27 | 33   | 175 | 18 | F14            | 700/1000      | 57     | SDMW626YZ21416400 |

\*Operating torques for EPDM, water at 20°C, and optimal assembly conditions. For other elastomers, this may vary significantly.

Y = 2 Without paint Z = 1 EPDM  
2 NBR \*more options available

## BUTTERFLY VALVE

Wafer. Stainless Steel PN 10/16

### ELASTIC RINGS -ELASTIC RINGS SELECTION

| TYPE           | COMPOSITION                                      | COLOUR | APPLICATIONS                                                                                                          | LIMITATIONS                                                                      | WORKING TEMP. |
|----------------|--------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------|
| EPDM           | Ethylene-propylene thermopolymer ENB             | Black  | Mineral acid solutions, alkaline solutions of mineral bases, organic salt dissolutions, alcohols, water and seawater. | Not recommended for organic hydrocarbons.                                        | - 20° / 90°   |
| NBR            | Acrylonitrile-butadiene copolymer                | Black  | Mineral oils, vegetable oils, gas, non-aromatic hydrocarbons, animal fats, vegetable fats, air.                       | Organic acids, some mineral acids, chlorine, alcohols, aromatic hydrocarbons.    | - 10° / 90°   |
| FPM (VITON)    | Hexafluorpropylene vinylidene fluoride copolymer | Black  | Acids, facts, hydrocarbons, vegetable and mineral oils, fuels.                                                        | Steam and hot water (up to 130°C), unleaded gasoline, ketones, amines, Freon-22. | - 5° / 200°   |
| STEAM SILICONE |                                                  | Grey   | Steam and super heated water.                                                                                         | Hydrocarbons, strong acids, and strong bases.                                    | - 55° / 140°  |

\* Other materials under request (white EPDM, Flucastr, white Viton...)

### VALVE ACTUATION

| Type                | Our butterfly valves can be operated by any of the following types of actuators                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Free Shaft          | Ready to be actuated according to ISO TOP 5211.                                                           |
| Manual operation    | Lever, handwheel, worm gear.                                                                              |
| Pneumatic actuation | Quarter turn actuators, double acting or spring return. Linear cylinders, double acting or spring return. |
| Hydraulic actuation | Linear, double acting or spring return                                                                    |
| Electric actuation  | Electric actuators.                                                                                       |

## BUTTERFLY VALVE

Wafer. Nodular Cast Iron PN 10/16

## CHARACTERISTICS

## Design:

- ◆ EN 593 / ISO 10631.
- ◆ Face to face EN 558-1 Serie 20 (DIN 3202).
- ◆ Flanges EN 1092 (DIN 2501).
- ◆ ISO-TOP flange according to 5211.

## OPTIONAL CHARACTERISTICS

- ◆ Possibility to be motorized

## Integrated Logistics Support (ILS):

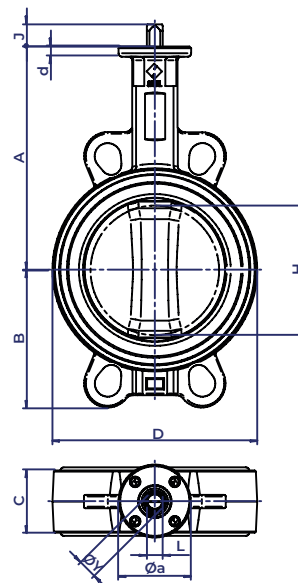
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

## WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 32-400 |    |
| Nominal pressure                             | PN          | 10     | 16 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16 |

## MATERIALS

| DRAWING  | TYPE  | BODY                                           | BUTTERFLY                                      | SEATS | STEM                |
|----------|-------|------------------------------------------------|------------------------------------------------|-------|---------------------|
| MW-404-N | Wafer | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | NBR   | Stainless Steel 420 |
| MW-404-E | Wafer | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | EPDM  | Stainless Steel 420 |
| MW-406-N | Wafer | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | AISI 316 (ASTM 351/351M CF8M)                  | NBR   | Stainless Steel 420 |
| MW-406-E | Wafer | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | AISI 316 (ASTM 351/351M CF8M)                  | EPDM  | Stainless Steel 420 |
| MW-408-N | Wafer | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | CuAl10Ni (EN 1982)                             | NBR   | Stainless Steel 420 |
| MW-408-E | Wafer | Nodular Cast Iron GGG40 (EN GJS 400-15/JS1030) | CuAl10Ni (EN 1982)                             | EPDM  | Stainless Steel 420 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1  
100% Valves tested.

## DIMENSIONS

| DN  | Flanges | A   | B   | C  | D   | H     | J    | L  | ØY   | Øa  | d  | ISO Top Flange | Torque 10/16* | Weight | Code              |
|-----|---------|-----|-----|----|-----|-------|------|----|------|-----|----|----------------|---------------|--------|-------------------|
| mm  | PN      | mm  | mm  | mm | mm  | mm    | mm   | mm | mm   | mm  | mm |                | [Nm]          | [kg]   | SAVAL             |
| 32  | 10/16   | 130 | 55  | 33 | 110 | 26    | 16,5 | 11 | 13   | 65  | 10 | F05            | 10/16         | 1,5    | SDMWxxxYZ20516032 |
| 40  | 10/16   | 130 | 55  | 33 | 110 | 26    | 16,5 | 11 | 13   | 65  | 10 | F05            | 10/16         | 1,5    | SDMWxxxYZ20516040 |
| 50  | 10/16   | 135 | 63  | 43 | 123 | 29,5  | 16,5 | 11 | 13   | 65  | 10 | F05            | 12/17         | 2,5    | SDMWxxxYZ20516050 |
| 65  | 10/16   | 150 | 72  | 46 | 137 | 49    | 16,5 | 11 | 13   | 65  | 10 | F05            | 22/26         | 3      | SDMWxxxYZ20516065 |
| 80  | 10/16   | 160 | 91  | 46 | 148 | 67,5  | 19,5 | 11 | 13   | 65  | 10 | F05            | 25/30         | 3,5    | SDMWxxxYZ20516080 |
| 100 | 10/16   | 180 | 106 | 52 | 160 | 86,5  | 19,5 | 11 | 13   | 65  | 10 | F05            | 45/55         | 5      | SDMWxxxYZ20516100 |
| 125 | 10/16   | 196 | 121 | 56 | 180 | 113,5 | 19,5 | 14 | 17   | 65  | 10 | F05            | 74/86         | 6      | SDMWxxxYZ20516125 |
| 150 | 10/16   | 210 | 133 | 56 | 206 | 142   | 19,5 | 14 | 17   | 90  | 12 | F07            | 95/115        | 7,5    | SDMWxxxYZ20716150 |
| 200 | 10/16   | 240 | 164 | 60 | 261 | 191,5 | 24,5 | 17 | 21   | 90  | 12 | F07            | 143/215       | 12     | SDMWxxxYZ20716200 |
| 250 | 10/16   | 275 | 199 | 68 | 318 | 240   | 29,5 | 22 | 26,5 | 125 | 15 | F10            | 272/350       | 20     | SDMWxxxYZ21016250 |
| 300 | 10/16   | 310 | 233 | 78 | 372 | 289   | 29,5 | 22 | 26,5 | 125 | 15 | F10            | 395/565       | 28,5   | SDMWxxxYZ21016300 |
| 350 | 10/16   | 335 | 258 | 78 | 421 | 329,5 | 29,5 | 22 | 26,5 | 150 | 17 | F12            | 500/955       | 39     | SDMWxxxYZ21216350 |

\*Operating torques for EPDM, water at 20°C, and optimal assembly conditions. For other elastomers, this may vary significantly.

Y = 1 Rilsan  
2 Without paint  
Z = 1 EPDM  
2 NBR \*more options available



# BUTTERFLY VALVE

Wafer. Nodular Cast Iron PN 10/16

## DIMENSIONS

| DN  | Flanges | A   | B   | C   | D   | H   | J    | L  | ØY | Øa  | d  | ISO Top Flange | Torque 10/16* | Weight | Code              |
|-----|---------|-----|-----|-----|-----|-----|------|----|----|-----|----|----------------|---------------|--------|-------------------|
| mm  | PN      | mm  | mm  | mm  | mm  | mm  | mm   | mm | mm | mm  | mm |                | [Nm]          | [kg]   | SAVAL             |
| 400 | 10/16   | 365 | 307 | 102 | 471 | 381 | 36,5 | 27 | 33 | 175 | 18 | F14            | 700/1000      | 53     | SDMWxxxYZ21416400 |
| 450 | 10      | 405 | 375 | 114 | 532 | 435 | 41   | 36 | 48 | 175 | 18 | F14            | 1455          | 83     | SDMWxxxYZ21410450 |
| 450 | 16      | 405 | 375 | 114 | 532 | 435 | 41   | 36 | 48 | 175 | 18 | F14            | 1955          | 82,5   | SDMWxxxYZ21416450 |
| 500 | 10      | 440 | 405 | 127 | 578 | 480 | 38   | 36 | 48 | 175 | 18 | F14            | 1805          | 104,5  | SDMWxxxYZ21410500 |
| 500 | 16      | 440 | 405 | 127 | 578 | 480 | 38   | 36 | 48 | 175 | 18 | F14            | 2510          | 103,5  | SDMWxxxYZ21416500 |
| 600 | 10      | 530 | 468 | 154 | 695 | 575 | 49   | 46 | 58 | 210 | 24 | F16            | 3460          | 179    | SDMWxxxYZ21610600 |
| 600 | 16      | 530 | 468 | 154 | 695 | 575 | 49   | 46 | 58 | 210 | 24 | F16            | 3860          | 178    | SDMWxxxYZ21616600 |

\*Operating torques for EPDM, water at 20°C, and optimal assembly conditions. For other elastomers, this may vary significantly.

Y = 1 Rilsan  
2 Without paint  
Z = 1 EPDM  
2 NBR \*more options available

## ELASTIC RINGS -ELASTIC RINGS SELECTION

| TYPE           | COMPOSITION                                      | COLOUR | APPLICATIONS                                                                                                          | LIMITATIONS                                                                      | WORKING TEMP. |
|----------------|--------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------|
| EPDM           | Ethylene-propylene thermopolymer ENB             | Black  | Mineral acid solutions, alkaline solutions of mineral bases, organic salt dissolutions, alcohols, water and seawater. | Not recommended for organic hydrocarbons.                                        | - 20° / 90°   |
| NBR            | Acrylonitrile-butadiene copolymer                | Black  | Mineral oils, vegetable oils, gas, non-aromatic hydrocarbons, animal fats, vegetable fats, air.                       | Organic acids, some mineral acids, chlorine, alcohols, aromatic hydrocarbons.    | - 10° / 90°   |
| FPM (VITON)    | Hexafluorpropylene vinylidene flouride copolymer | Black  | Acids, fats, hydrocarbons, vegetable and mineral oils, fuels.                                                         | Steam and hot water (up to 130°C), unleaded gasoline, ketones, amines, Freon-22. | - 5° / 200°   |
| STEAM SILICONE |                                                  | Grey   | Steam and super heated water.                                                                                         | Hydrocarbons, strong acids, and strong bases.                                    | - 55° / 140°  |

\* Other materials under request (white EPDM, Flucast, white Viton...)

## VALVE ACTUATION

| Type                | Our butterfly valves can be operated by any of the following types of actuators                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Free shaft          | Ready to be actuated according to ISO TOP 5211.                                                           |
| Manual operation    | Lever, handwheel, worm gear.                                                                              |
| Pneumatic actuation | Quarter turn actuators, double acting or spring return. Linear cylinders, double acting or spring return. |
| Hdraulic actuation  | Linear, double acting or spring return                                                                    |
| Electric actuation  | Electric actuators.                                                                                       |



## **BALL VALVES**

## BALL VALVE

### 3 Way. Bronze PN 10/16

#### CHARACTERISTICS

##### Design:

- ◆ Ball valve body. Full bore UNE EN 13547
- ◆ Flange spacing EN 558-1 Series 2 (DIN 3202 F2).
- ◆ Flanges according to EN 1092.
- ◆ Prepared for mounting ISO TOP 5211 actuator.

#### OPTIONAL CHARACTERISTICS

##### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

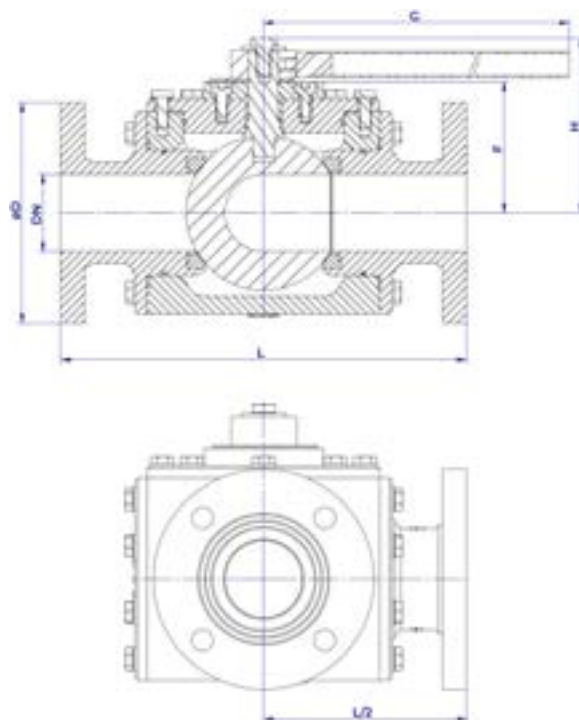
#### WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 25-100 |    |
| Nominal pressure                             | PN          | 16     | 10 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 16     | 10 |

#### MATERIALS

| DRAWING | BODY                        | BALL                                    | PACKING  | SEAT | STEM                 | SCREWS          | LEVER        |
|---------|-----------------------------|-----------------------------------------|----------|------|----------------------|-----------------|--------------|
| TV-706  | Bronze (Rg10)<br>(DIN 1705) | Stainless S. A316<br>(EN10088/DIN17440) | PTFE+GRF | PTFE | Stainless S.<br>A316 | Stainless S. A4 | Stainless S. |
| TV-708  | Bronze (Rg10)<br>(DIN 1705) | BrNiAl                                  | PTFE+GRF | PTFE | CuAl10Ni             | Stainless S. A4 | Stainless S. |

- ◆ Hydraulic tightness and sealing test according to EN 12266-1.  
100% Valves tested.



#### DIMENSIONS

| DN  | ØD  | L   | F   | H     | G   | Top<br>Flange | Torque<br>(Nm) | Weight<br>[kg] | Code<br>SAVAL    |
|-----|-----|-----|-----|-------|-----|---------------|----------------|----------------|------------------|
| 25* | 115 | 230 | -   | -     | -   | F05           | 22             | -              | SDBFxxxTVYY16025 |
| 32* | 140 | 260 | -   | -     | -   | F05           | 36             | -              | SDBFxxxTVYY16032 |
| 40  | 150 | 260 | 90  | 165,5 | 353 | F07           | 50             | 30,5           | SDBFxxxTVYY16040 |
| 50  | 165 | 300 | 105 | 182,5 | 353 | F07           | 70             | 43             | SDBFxxxTVYY16050 |
| 65  | 185 | 340 | 110 | 136,5 | 460 | F07           | 85             | 62,5           | SDBFxxxTVYY16065 |
| 80  | 200 | 380 | 121 | 147,5 | 750 | F10           | 130            | 85             | SDBFxxxTVYY16080 |
| 100 | 220 | 430 | 144 | 171   | 750 | F10           | 165            | 127,5          | SDBFxxxTVYY16100 |

\*Upon request  
xxx = drawing number  
4 way valve option available.

YY = LM Ball in L and motorised  
TM Ball in T and motorised

## BALL VALVE

2 Way. Flanged. Bronze. Drill ANSI B16.10 150Lbs

### CHARACTERISTICS

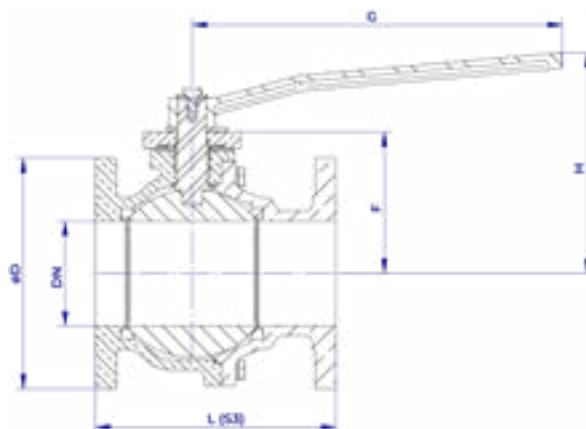
#### Design:

- ◆ Two-piece body. Full bore UNE EN 13547.
- ◆ Flange spacing EN 558-1 Series 3 (ANSI B16.10 150Lbs).
- ◆ Flanges according to ANSI B16.5.
- ◆ Prepared for ISO TOP 5211 actuator.

### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).



### WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 15-100 |    |
| Nominal pressure                             | PN          | 16     | 10 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 16     | 10 |

### MATERIALS

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING   | BODY                        | BALL   | SEAT | STEM     | SCREWS          | LEVER        |
|-----------|-----------------------------|--------|------|----------|-----------------|--------------|
| BF-708-S3 | Bronze (Rg10)<br>(DIN 1705) | BrNiAl | PTFE | CuAl10Ni | Stainless S. A4 | Stainless S. |

### DIMENSIONS

| DN  | ØD  | L(S3) | F   | H     | G     | Top<br>Flange | Torque<br>(Nm) | Weight<br>[kg] | Code<br>SAVAL    |
|-----|-----|-------|-----|-------|-------|---------------|----------------|----------------|------------------|
| 15  | 95  | 108   | 48  | 100,5 | 181,5 | F05           | 8              | 5              | SDBF7082AS315015 |
| 20  | 105 | 117   | 58  | 111   | 181,5 | F05           | 10             | 7              | SDBF7082AS315020 |
| 25  | 115 | 127   | 62  | 115   | 181,5 | F05           | 15             | 8              | SDBF7082AS315025 |
| 32  | 140 | 140   | 68  | 120   | 181,5 | F05           | 20             | 10             | SDBF7082AS315032 |
| 40  | 150 | 165   | 81  | 142   | 216   | F07           | 30             | 10             | SDBF7082AS315040 |
| 50  | 165 | 178   | 89  | 150   | 216   | F07           | 45             | 13,5           | SDBF7082AS315050 |
| 65  | 185 | 190   | 101 | 162   | 216   | F07           | 55             | 18             | SDBF7082AS315065 |
| 80  | 200 | 203   | 121 | 197   | 353   | F10           | 85             | 25,5           | SDBF7082AS315080 |
| 100 | 220 | 229   | 134 | 210   | 353   | F10           | 110            | 33,5           | SDBF7082AS315100 |

## BALL VALVE

2 Way. Flanged. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ Two-piece body. Full bore UNE EN 13547.
- ◆ Flange spacing EN 558-1 Series 14 (DIN 3202 F4).
- ◆ Flanges according to EN 1092.
- ◆ Prepared for ISO TOP 5211 actuator.

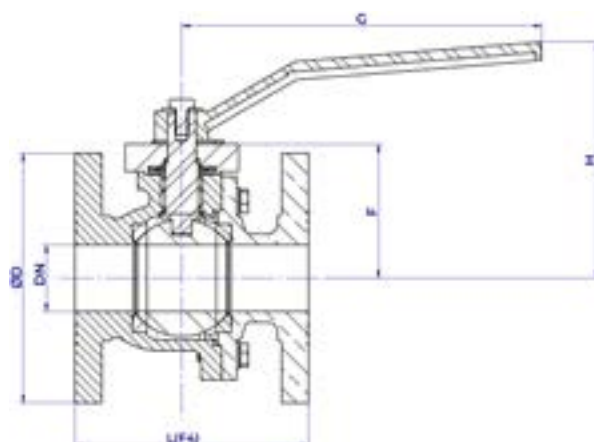
### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 15-100 |    |
| Nominal pressure                             | PN          | 16     | 10 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 16     | 10 |



### MATERIALS

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | BODY                        | BALL                                    | SEAT | STEM                      | SCREWS          | LEVER        |
|---------|-----------------------------|-----------------------------------------|------|---------------------------|-----------------|--------------|
| BF-706  | Bronze (Rg10)<br>(DIN 1705) | Stainless S. A316<br>(EN10088/DIN17440) | PTFE | Stainless S.<br>(AISI316) | Stainless S. A4 | Stainless S. |
| BF-708  | Bronze (Rg10)<br>(DIN 1705) | BrNiAl                                  | PTFE | CuAl10Ni                  | Stainless S. A4 | Stainless S. |

### DIMENSIONS

| DN  | ØD  | L(F4) | F   | H     | G     | Top Flange | Torque | Weight | Code             |
|-----|-----|-------|-----|-------|-------|------------|--------|--------|------------------|
| mm  | mm  | mm    | mm  | mm    | mm    |            |        | [kg]   | SAVAL            |
| 15  | 95  | 115   | 48  | 100,5 | 181,5 | F05        | 8      | 4      | SDBFxxx2AF415015 |
| 20  | 105 | 120   | 58  | 111   | 181,5 | F05        | 10     | 5      | SDBFxxx2AF415020 |
| 25  | 115 | 125   | 62  | 115   | 181,5 | F05        | 15     | 6      | SDBFxxx2AF415025 |
| 32  | 140 | 130   | 68  | 120   | 181,5 | F05        | 20     | 7,5    | SDBFxxx2AF415032 |
| 40  | 150 | 140   | 81  | 142   | 216   | F07        | 30     | 10     | SDBFxxx2AF415040 |
| 50  | 165 | 150   | 89  | 150   | 216   | F07        | 45     | 13,5   | SDBFxxx2AF415050 |
| 65  | 185 | 170   | 101 | 162   | 216   | F07        | 55     | 17     | SDBFxxx2AF415065 |
| 80  | 200 | 180   | 121 | 197   | 353   | F10        | 85     | 25     | SDBFxxx2AF415080 |
| 100 | 220 | 190   | 134 | 210   | 353   | F10        | 110    | 32     | SDBFxxx2AF415100 |

xxx = drawing number



## BALL VALVE

2 Way. Flanged. Mild Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ Two-piece body. Full bore UNE EN 1983:2014
- ◆ Flange spacing EN 558-1 Serie 14 (DIN 3202 F4)
- ◆ Flanges according to EN 1092.
- ◆ Prepared for ISO TOP 5211 actuator.

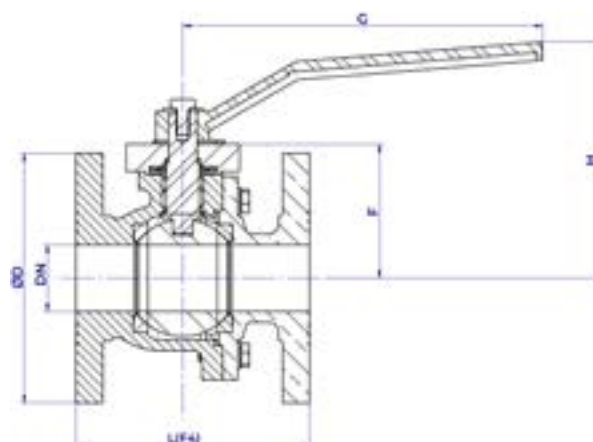
### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

|                                              |             |        |
|----------------------------------------------|-------------|--------|
| Size                                         | DN          | 15-100 |
| Nominal pressure                             | PN          | 10 16  |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4 15 |



### MATERIALS

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | BODY                                       | BALL                                       | SEATS | BODY ENDS                     | BOLTING               | LEVER           |
|---------|--------------------------------------------|--------------------------------------------|-------|-------------------------------|-----------------------|-----------------|
| BF-206  | Mild Steel (GS-C-25)<br>(EN10213/DIN17245) | Stainless Steel A316<br>(EN10088/DIN17440) | PTFE  | Stainless Steel<br>(AISI 316) | Stainless Steel<br>A4 | Stainless Steel |

### DIMENSIONS

| DN  | ØD  | L   | F   | H     | G     | ISO Top Flange | Torque | Weight<br>BF-206<br>[kg] | Code             |
|-----|-----|-----|-----|-------|-------|----------------|--------|--------------------------|------------------|
| mm  | mm  | mm  | mm  | mm    | mm    |                |        |                          | SAVAL            |
| 15  | 95  | 115 | 48  | 100,5 | 181,5 | F05            | 8      | 3,5                      | SDBF2062AF416015 |
| 20  | 105 | 120 | 58  | 111   | 181,5 | F05            | 10     | 4,5                      | SDBF2062AF416020 |
| 25  | 115 | 125 | 62  | 115   | 181,5 | F05            | 15     | 5,5                      | SDBF2062AF416025 |
| 32  | 140 | 130 | 68  | 120   | 181,5 | F05            | 20     | 7                        | SDBF2062AF416032 |
| 40  | 150 | 140 | 81  | 142   | 216   | F07            | 30     | 9,5                      | SDBF2062AF416040 |
| 50  | 165 | 150 | 89  | 150   | 216   | F07            | 45     | 12,5                     | SDBF2062AF416050 |
| 65  | 185 | 170 | 101 | 162   | 216   | F07            | 55     | 16,5                     | SDBF2062AF416065 |
| 80  | 200 | 180 | 121 | 197   | 353   | F10            | 85     | 24                       | SDBF2062AF416080 |
| 100 | 220 | 190 | 134 | 210   | 353   | F10            | 100    | 30,5                     | SDBF2062AF416100 |

## BALL VALVE

### 2 Way. Flanged. Stainless Steel PN 10/16

#### CHARACTERISTICS

##### Design:

- ◆ Two-piece body. Full bore UNE EN 1983:2014
- ◆ Flange spacing EN 558-1 Series 14 (DIN 3202 F4).
- ◆ Flanges according to EN 1092.
- ◆ Prepared for ISO TOP 5211 actuator.

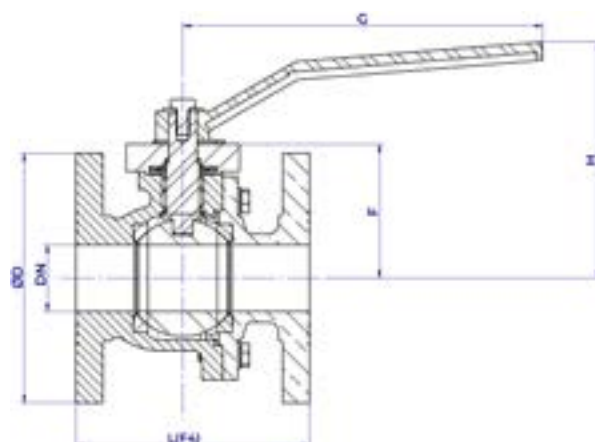
#### OPTIONAL CHARACTERISTICS

##### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

#### WORKING CONDITIONS

|                                              |             |          |
|----------------------------------------------|-------------|----------|
| Size                                         | DN          | 15-100   |
| Nominal pressure                             | PN          | 10 16    |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5 15,2 |



#### MATERIALS

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | BODY                      | BALL                                    | SEATS | BODY ENDS                  | BOLTING            | LEVER           |
|---------|---------------------------|-----------------------------------------|-------|----------------------------|--------------------|-----------------|
| BF-606  | Stainless Steel (AISI316) | Stainless Steel A316 (EN10088/DIN17440) | PTFE  | Stainless Steel (AISI 316) | Stainless Steel A4 | Stainless Steel |

#### DIMENSIONS

| DN  | ØD  | L   | F   | H     | G     | ISO Top Flange | Torque | Weight BF-606 [kg] | Code             |
|-----|-----|-----|-----|-------|-------|----------------|--------|--------------------|------------------|
| mm  | mm  | mm  | mm  | mm    | mm    |                |        |                    | SAVAL            |
| 15  | 95  | 115 | 48  | 100,5 | 181,5 | F05            | 8      | 3,5                | SDBF6062AF416015 |
| 20  | 105 | 120 | 58  | 111   | 181,5 | F05            | 10     | 4,5                | SDBF6062AF416020 |
| 25  | 115 | 125 | 62  | 115   | 181,5 | F05            | 15     | 5,5                | SDBF6062AF416025 |
| 32  | 140 | 130 | 68  | 120   | 181,5 | F05            | 20     | 7                  | SDBF6062AF416032 |
| 40  | 150 | 140 | 81  | 142   | 216   | F07            | 30     | 9,5                | SDBF6062AF416040 |
| 50  | 165 | 150 | 89  | 150   | 216   | F07            | 45     | 12,5               | SDBF6062AF416050 |
| 65  | 185 | 170 | 101 | 162   | 216   | F07            | 55     | 16,5               | SDBF6062AF416065 |
| 80  | 200 | 180 | 121 | 197   | 353   | F10            | 85     | 24                 | SDBF6062AF416080 |
| 100 | 220 | 190 | 134 | 210   | 353   | F10            | 100    | 30,5               | SDBF6062AF416100 |

## BALL VALVE

2 - Way - Socket Weld. Bronze. PN 25

### CHARACTERISTICS

#### Design:

- ◆ Three-piece body. Full bore UNE EN 13547.
- ◆ Welded connection UNE-EN 13547:2014

### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

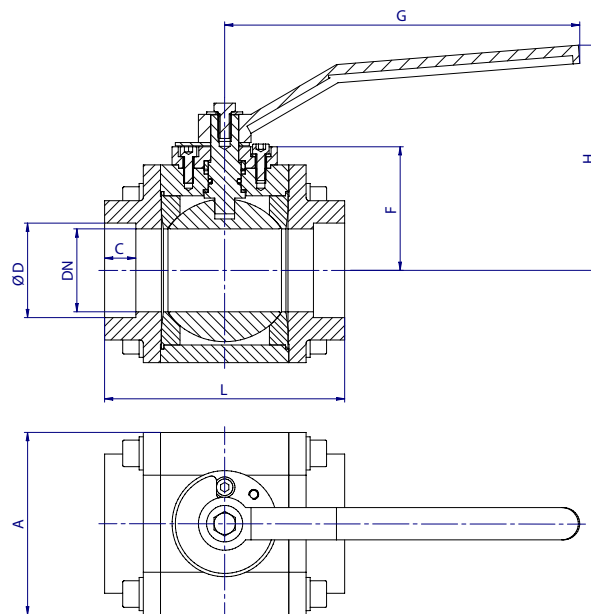
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

|                                              |            |      |
|----------------------------------------------|------------|------|
| Size                                         | DN         | 8-50 |
| Nominal pressure                             | PN         | 25   |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100° | 25   |

### MATERIALS

| DRAWING | BODY            | BALL                                    | STEM     | SEAT | BODY ENDS | BOLTING         | LEVER        |
|---------|-----------------|-----------------------------------------|----------|------|-----------|-----------------|--------------|
| BW-806  | Bar<br>CuAl10Ni | Stainless S. A316<br>(EN10088/DIN17440) | CuAl10Ni | PTFE | CuAl10Ni  | Stainless S. A4 | Stainless S. |
| BW-808  | Bar<br>CuAl10Ni | BrNiAl                                  | CuAl10Ni | PTFE | CuAl10Ni  | Stainless S. A4 | Stainless S. |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

### DIMENSIONS

| DN     |    | ØD   | A   | L   | C (min) | H     | F  | Top<br>Flange | G   | Torque | Weight | Code                |
|--------|----|------|-----|-----|---------|-------|----|---------------|-----|--------|--------|---------------------|
| Inches | mm | mm   | mm  | mm  | mm      | mm    | mm |               | mm  | (Nm)   | [kg]   |                     |
| 1/4    | 8  | 12   | 56  | 72  | 10      | 92    | 39 | F03           | 181 | 8      | 1,7    | SDBFxxxN3ASW25008   |
| 3/8    | 10 | 16   | 56  | 72  | 10      | 92    | 39 | F03           | 181 | 8      | 1,7    | SDBFxxxN3ASW25010   |
| 1/2    | 15 | 20   | 56  | 72  | 10      | 92    | 39 | F03           | 181 | 8      | 1,7    | SDBFxxxN3ASW2501520 |
| 3/4    | 20 | 25   | 56  | 81  | 13      | 92    | 39 | F03           | 181 | 10     | 1,8    | SDBFxxxN3ASW25020   |
| 1      | 25 | 30   | 68  | 85  | 13      | 98    | 45 | F03           | 181 | 15     | 2,5    | SDBFxxxN3ASW25025   |
| 1 1/4  | 32 | 38   | 80  | 96  | 13      | 103,5 | 51 | F03           | 181 | 20     | 3,6    | SDBFxxxN3ASW25032   |
| 1 1/2  | 40 | 44,5 | 100 | 118 | 13      | 129   | 68 | F05           | 216 | 30     | 6,3    | SDBFxxxN3ASW25040   |
| 2      | 50 | 57   | 110 | 141 | 16      | 136   | 75 | F05           | 216 | 45     | 10     | SDBFxxxN3ASW25050   |

xxx = drawing number

## BALL VALVE

### 2 - Way - Socket Weld. Mild Steel PN 40

#### CHARACTERISTICS

##### Design:

- ◆ Three-piece body. Full bore UNE EN 13547.
- ◆ Welded connection UNE-EN 13547:2014

#### OPTIONAL CHARACTERISTICS

##### Integrated Logistics Support (ILS):

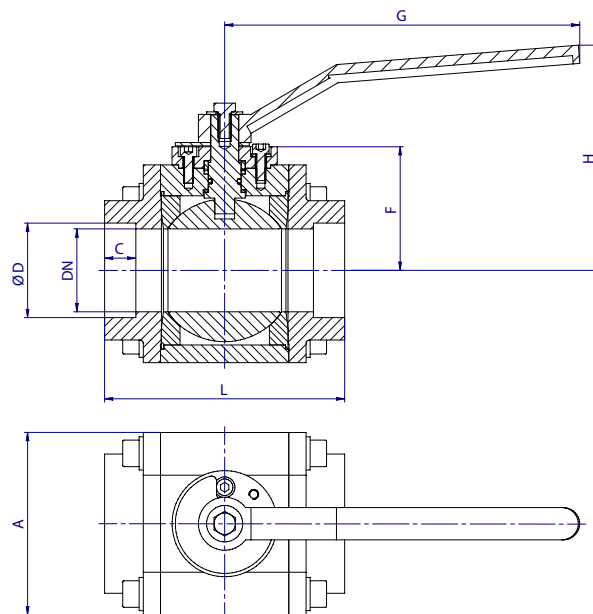
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

#### WORKING CONDITIONS

|                                              |             |      |
|----------------------------------------------|-------------|------|
| Size                                         | DN          | 8-50 |
| Nominal pressure                             | PN          | 40   |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 40   |

#### MATERIALS

| DRAWING | BODY                    | BALL                          | STEM                          | SEATS | BODY ENDS               | BOLTING            | LEVER                      |
|---------|-------------------------|-------------------------------|-------------------------------|-------|-------------------------|--------------------|----------------------------|
| BW-206  | Mild Steel<br>A150/P355 | Stainless Steel<br>(AISI 316) | Stainless Steel<br>(AISI 316) | PTFE  | Mild Steel<br>A105/P355 | Stainless Steel A4 | Stainless Steel<br>AISI304 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

#### DIMENSIONS

| DN     |    | ØD   | A   | L   | C (min) | H     | M  | Top Flange | G   | Torque | Weight | Code                |
|--------|----|------|-----|-----|---------|-------|----|------------|-----|--------|--------|---------------------|
| Inches | mm | mm   | mm  | mm  | mm      | mm    | mm |            |     | (Nm)   | [kg]   |                     |
| 1/4    | 8  | 14,1 | 56  | 72  | 10      | 92    | 39 | F03        | 181 | 8      | 1,7    | SDBF206N3ASW40008   |
| 3/8    | 10 | 17,6 | 56  | 72  | 10      | 92    | 39 | F03        | 181 | 8      | 1,7    | SDBF206N3ASW40010   |
| 1/2    | 15 | 21,8 | 56  | 72  | 10      | 92    | 39 | F03        | 181 | 8      | 1,7    | SDBF206N3ASW4001520 |
| 3/4    | 20 | 27,1 | 56  | 81  | 13      | 93    | 39 | F03        | 181 | 10     | 1,8    | SDBF206N3ASW40020   |
| 1      | 25 | 33,8 | 68  | 85  | 13      | 98    | 45 | F03        | 181 | 15     | 2,5    | SDBF206N3ASW40025   |
| 1 1/4  | 32 | 42,5 | 80  | 96  | 13      | 103,5 | 51 | F03        | 181 | 20     | 3,6    | SDBF206N3ASW40032   |
| 1 1/2  | 40 | 48,5 | 100 | 118 | 13      | 129   | 68 | F05        | 216 | 30     | 6,5    | SDBF206N3ASW40040   |
| 2      | 50 | 57   | 110 | 146 | 19      | 136   | 75 | F05        | 216 | 45     | 9      | SDBF206N3ASW40050   |

## BALL VALVE

### 2 - Way - Socket Weld. Stainless Steel. PN 40

#### CHARACTERISTICS

##### Design:

- ◆ Three-piece body. Full bore UNE EN 13547.
- ◆ Welded connection UNE-EN 13547:2014

#### OPTIONAL CHARACTERISTICS

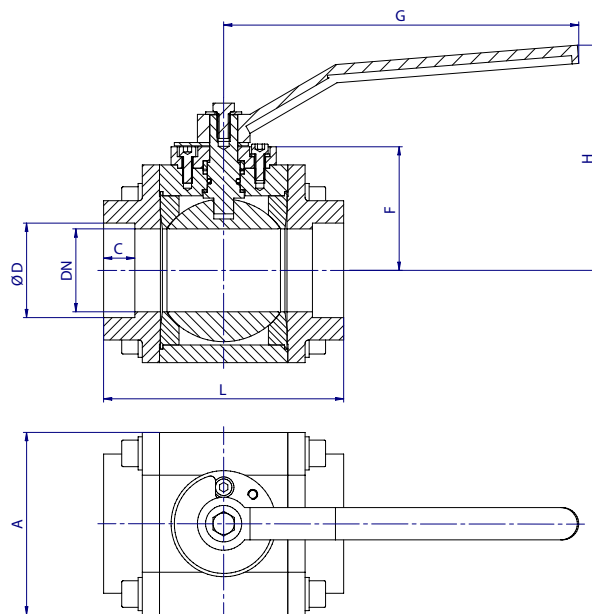
##### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

#### WORKING CONDITIONS

|                                              |             |      |
|----------------------------------------------|-------------|------|
| Size                                         | DN          | 8-50 |
| Nominal pressure                             | PN          | 40   |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 38,1 |

#### MATERIALS



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | BODY                       | BALL                       | STEM                       | SEATS | BODY ENDS                  | BOLTING            | LEVER                   |
|---------|----------------------------|----------------------------|----------------------------|-------|----------------------------|--------------------|-------------------------|
| BW-606  | Stainless Steel (AISI 316) | Stainless Steel (AISI 316) | Stainless Steel (AISI 316) | PTFE  | Stainless Steel (AISI 316) | Stainless Steel A4 | Stainless Steel AISI304 |

#### DIMENSIONS

| DN     |    | ØD   | A   | L   | C (min) | H     | F  | Top Flange | G   | Torque | Weight | Code                |
|--------|----|------|-----|-----|---------|-------|----|------------|-----|--------|--------|---------------------|
| Inches | mm | mm   | mm  | mm  | mm      | mm    | mm |            | mm  | (Nm)   | [kg]   | SAVAL               |
| 1/4    | 8  | 14,1 | 56  | 72  | 10      | 92    | 39 | F03        | 181 | 8      | 1,7    | SDBF606N3ASW40008   |
| 1/2    | 15 | 21,7 | 56  | 72  | 10      | 92    | 39 | F03        | 181 | 8      | 1,7    | SDBF606N3ASW4001520 |
| 3/4    | 20 | 27,1 | 56  | 81  | 13      | 93    | 39 | F03        | 181 | 10     | 1,8    | SDBF606N3ASW40020   |
| 1      | 25 | 33,8 | 68  | 85  | 13      | 98    | 45 | F03        | 181 | 15     | 2,5    | SDBF606N3ASW40025   |
| 1 1/4  | 32 | 42,5 | 80  | 96  | 13      | 103,5 | 51 | F03        | 181 | 20     | 3,6    | SDBF606N3ASW40032   |
| 1 1/2  | 40 | 48,6 | 100 | 118 | 13      | 129   | 68 | F05        | 216 | 30     | 6,5    | SDBF606N3ASW40040   |
| 2      | 50 | 57   | 110 | 146 | 19      | 136   | 75 | F05        | 216 | 45     | 9      | SDBF606N3ASW40050   |





## **SAFETY VALVES**

## SAFETY VALVE

Straight. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13789 / UNE-EN ISO 4126-1.
- ◆ Face to face EN 558 series 1 (DIN 3202 F1).
- ◆ Flanged according to EN 1092.

### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).
- ◆ Pressure setting according to the customer's needs.

### WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 15-150 |    |
| Nominal pressure                             | PN          | 10     | 16 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16 |

### MATERIALS

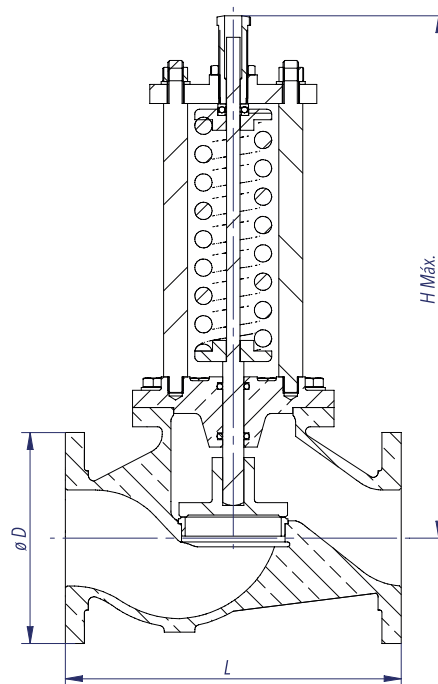
| DRAWING | BODY/BONNET                 | DISC                             | BODY SEAT RINGS                  | SCREWS          |
|---------|-----------------------------|----------------------------------|----------------------------------|-----------------|
| S-707   | Bronze (Rg10)<br>(DIN 1705) | Bronze (Rg10)<br>(DIN 1705)      | Bronze (Rg10)<br>(DIN 1705)      | Stainless S. A4 |
| S-708   | Bronze (Rg10)<br>(DIN 1705) | CuAl10Fe5Ni5<br>(EN1982/DIN1714) | CuAl10Fe5Ni5<br>(EN1982/DIN1714) | Stainless S. A4 |

### DIMENSIONS

| DN  | ØD  | L   | Pressure adjustment range | H Max           | Weight | Code             |
|-----|-----|-----|---------------------------|-----------------|--------|------------------|
| mm  | PN  | mm  | bar                       | mm              | [kg]   | SAVAL            |
| 15  | 95  | 130 | 02-05/06-09/10-16/17-25   | 275/275/275/275 | 7,5    | SDSExxxYYYY16015 |
| 20  | 105 | 150 | 02-05/06-09/10-16/17-25   | 280/280/280/280 | 8      | SDSExxxYYYY16020 |
| 25  | 115 | 160 | 02-05/06-09/10-16/17-25   | 285/285/285/315 | 9      | SDSExxxYYYY16025 |
| 32  | 140 | 180 | 02-07/08-12/13-25         | 325/325/385     | 13,5   | SDSExxxYYYY16032 |
| 40  | 150 | 200 | 02-05/06-09/10-16/17-25   | 330/385/385/385 | 14     | SDSExxxYYYY16040 |
| 50  | 165 | 230 | 02-05/06-09/10-16/17-25   | 335/395/395/435 | 17     | SDSExxxYYYY16050 |
| 65  | 185 | 290 | 02-06/07-16/17-25         | 395/395/520     | 34     | SDSExxxYYYY16065 |
| 80  | 200 | 310 | 02-05/06-09/10-16/17-25   | 400/400/525/520 | 40     | SDSExxxYYYY16080 |
| 100 | 220 | 350 | 02-06/07-10/11-16         | 425/550/550     | 49     | SDSExxxYYYY16100 |
| 125 | 250 | 400 | 02-06/07-12/13-16         | 605/690/910     | 101    | SDSExxxYYYY16125 |
| 150 | 285 | 480 | 02-04/05-08/09-16         | 625/720/945     | 130    | SDSExxxYYYY16150 |

xxx = drawing number

YYYY = pressure adjustment range



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

## SAFETY VALVE

Straight. Mild Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13709 / UNE-EN ISO 4126-1.
- ◆ Face to face EN 558 series 1 (DIN 3202 F1).
- ◆ Flanged according to EN 1092.

### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

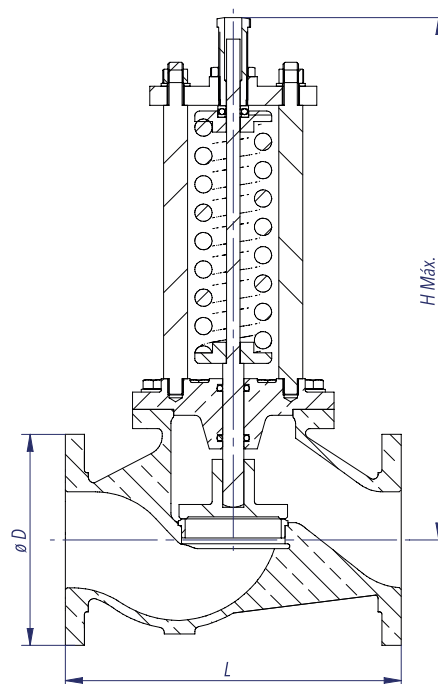
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).
- ◆ Pressure setting according to the customer's needs.

### WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 15-150 |    |
| Nominal pressure                             | PN          | 10     | 16 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4    | 15 |

### MATERIALS

| DRAWING | BODY/BONNET                                 | DISC                       | BODY SEAT RINGS            | SCREWS         |
|---------|---------------------------------------------|----------------------------|----------------------------|----------------|
| S-200   | Mild Steel (GS-C 25)<br>(EN10213/DIN 17245) | Bronze (Rg5)<br>(DIN 1705) | Bronze (Rg5)<br>(DIN 1705) | Mild Steel 8.8 |
| S-202   | Mild Steel (GS-C 25)<br>(EN10213/DIN 17245) | Stainless S.<br>(AISI420)  | Stainless S.<br>(AISI420)  | Mild Steel 8.8 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1.  
100% Valves tested.

### DIMENSIONS

| DN  | ØD  | L   | Pressure adjustment range | H Máx           | Weight | Code             |
|-----|-----|-----|---------------------------|-----------------|--------|------------------|
| mm  | PN  | mm  | bar                       | mm              | [kg]   | SAVAL            |
| 15  | 95  | 130 | 02-05/06-09/10-16/17-25   | 275/275/275/275 | 7      | SDSExxxYYYY16015 |
| 20  | 105 | 150 | 02-05/06-09/10-16/17-25   | 280/280/280/280 | 7,5    | SDSExxxYYYY16020 |
| 25  | 115 | 160 | 02-05/06-09/10-16/17-25   | 285/285/285/315 | 8      | SDSExxxYYYY16025 |
| 32  | 140 | 180 | 02-07/08-12/13-25         | 325/325/385     | 13     | SDSExxxYYYY16032 |
| 40  | 150 | 200 | 02-05/06-09/10-16/17-25   | 330/385/385/385 | 13,5   | SDSExxxYYYY16040 |
| 50  | 165 | 230 | 02-05/06-09/10-16/17-25   | 335/395/395/435 | 16,5   | SDSExxxYYYY16050 |
| 65  | 185 | 290 | 02-06/07-16/17-25         | 395/395/520     | 32     | SDSExxxYYYY16065 |
| 80  | 200 | 310 | 02-05/06-09/10-16/17-25   | 400/400/525/520 | 37     | SDSExxxYYYY16080 |
| 100 | 220 | 350 | 02-06/07-10/11-16         | 425/550/550     | 45,5   | SDSExxxYYYY16100 |
| 125 | 250 | 400 | 02-06/07-12/13-16         | 605/690/910     | 95     | SDSExxxYYYY16125 |
| 150 | 285 | 480 | 02-04/05-08/09-16         | 625/720/945     | 121    | SDSExxxYYYY16150 |

xxx = drawing number

YYYY = pressure adjustment range

## SAFETY VALVE

Straight. Stainless Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13709 / UNE-EN ISO 4126-1.
- ◆ Face to face EN 558 series 1 (DIN 3202 F1).
- ◆ Flanged according to EN 1092.

### OPTIONAL CHARACTERISTICS

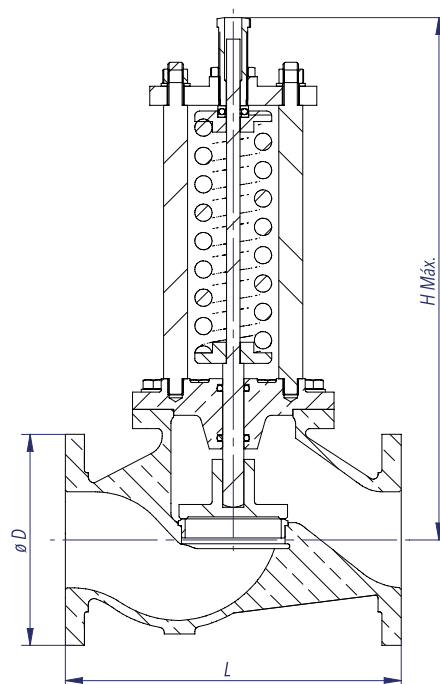
#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).
- ◆ Pressure setting according to the customer's needs.

### WORKING CONDITIONS

|                                              |             |        |      |
|----------------------------------------------|-------------|--------|------|
| Size                                         | DN          | 15-150 |      |
| Nominal pressure                             | PN          | 10     | 16   |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5    | 15,2 |

### MATERIALS



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | BODY/BONNET                              | DISC                                     | BODY SEAT RINGS                          | SCREWS          |
|---------|------------------------------------------|------------------------------------------|------------------------------------------|-----------------|
| S-606   | Stainless S. A316<br>(EN10088/DIN 17440) | Stainless S. A316<br>(EN10088/DIN 17440) | Stainless S. A316<br>(EN10088/DIN 17440) | Stainless S. A4 |

### DIMENSIONS

| DN  | ØD  | L   | Pressure adjustment range | H Max           | Weight | Code             |
|-----|-----|-----|---------------------------|-----------------|--------|------------------|
| mm  | PN  | mm  | bar                       | mm              | [kg]   | SAVAL            |
| 15  | 95  | 130 | 02-05/06-09/10-16/17-25   | 275/275/275/275 | 7      | SDSE606YYYY16015 |
| 20  | 105 | 150 | 02-05/06-09/10-16/17-25   | 280/280/280/280 | 7,5    | SDSE606YYYY16020 |
| 25  | 115 | 160 | 02-05/06-09/10-16/17-25   | 285/285/285/315 | 8      | SDSE606YYYY16025 |
| 32  | 140 | 180 | 02-07/08-12/13-25         | 325/325/385     | 13     | SDSE606YYYY16032 |
| 40  | 150 | 200 | 02-05/06-09/10-16/17-25   | 330/385/385/385 | 13,5   | SDSE606YYYY16040 |
| 50  | 165 | 230 | 02-05/06-09/10-16/17-25   | 335/395/395/435 | 16,5   | SDSE606YYYY16050 |
| 65  | 185 | 290 | 02-06/07-16/17-25         | 395/395/520     | 32     | SDSE606YYYY16065 |
| 80  | 200 | 310 | 02-05/06-09/10-16/17-25   | 400/400/525/520 | 37     | SDSE606YYYY16080 |
| 100 | 220 | 350 | 02-06/07-10/11-16         | 425/550/550     | 45,5   | SDSE606YYYY16100 |
| 125 | 250 | 400 | 02-06/07-12/13-16         | 605/690/910     | 95     | SDSE606YYYY16125 |
| 150 | 285 | 480 | 02-04/05-08/09-16         | 625/720/945     | 121    | SDSE606YYYY16150 |

YYYY = pressure adjustment range

## SAFETY VALVE

Angle. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13789 / UNE-EN ISO 4126-1.
- ◆ Face to face EN 558 series 1 (DIN 3202 F1).
- ◆ Flanged according to EN 1092.

### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

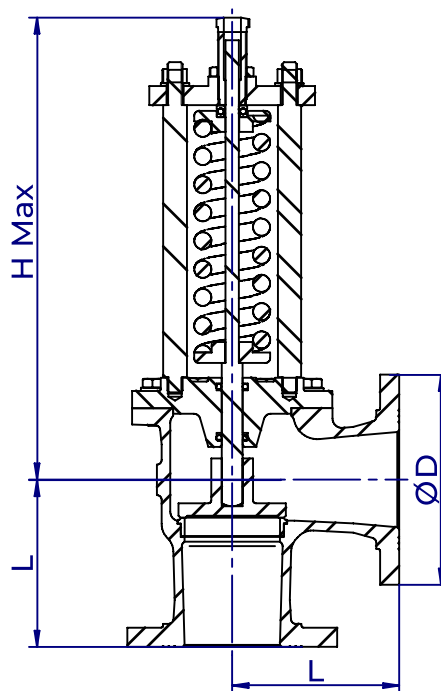
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).
- ◆ Pressure setting according to the customer's needs.

### WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 15-150 |    |
| Nominal pressure                             | PN          | 10     | 16 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16 |

### MATERIALS

| DRAWING | BODY/BONNET                 | DISC                             | BODY SEAT RINGS                  | SCREWS          |
|---------|-----------------------------|----------------------------------|----------------------------------|-----------------|
| S-717   | Bronze (Rg10)<br>(DIN 1705) | Bronze (Rg10)<br>(DIN 1705)      | Bronze (Rg10)<br>(DIN 1705)      | Stainless S. A4 |
| S-718   | Bronze (Rg10)<br>(DIN 1705) | CuAl10Fe5Ni5<br>(EN1982/DIN1714) | CuAl10Fe5Ni5<br>(EN1982/DIN1714) | Stainless S. A4 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1.  
100% Valves tested.

### DIMENSIONS

| DN  | ØD  | L   | Pressure adjustment range | H Max           | Weight | Code             |
|-----|-----|-----|---------------------------|-----------------|--------|------------------|
| mm  | PN  | mm  | bar                       | mm              | [kg]   | SAVAL            |
| 15  | 95  | **  | 02-05/06-09/10-16/17-25   | 260/260/260/260 | 7      | SDSExxxYYYY16015 |
| 20  | 105 | **  | 02-05/06-09/10-16/17-25   | 260/260/260/260 | 8      | SDSExxxYYYY16020 |
| 25  | 115 | **  | 02-05/06-09/10-16/17-25   | 260/260/260/285 | 9      | SDSExxxYYYY16025 |
| 32  | 140 | 105 | 02-07/08-12/13-25         | 300/300/360     | 13,5   | SDSExxxYYYY16032 |
| 40  | 150 | 115 | 02-05/06-09/10-16/17-25   | 295/355/360/360 | 14     | SDSExxxYYYY16040 |
| 50  | 165 | 125 | 02-05/06-09/10-16/17-25   | 360/360/360/400 | 16     | SDSExxxYYYY16050 |
| 65  | 185 | 145 | 02-06/07-16/17-25         | 345/345/470     | 32,5   | SDSExxxYYYY16065 |
| 80  | 200 | 155 | 02-05/06-09/10-16/17-25   | 345/345/470/470 | 36,5   | SDSExxxYYYY16080 |
| 100 | 220 | 175 | 02-06/07-10/11-16         | 365/490/490     | 43,5   | SDSExxxYYYY16100 |
| 125 | 250 | 200 | 02-06/07-12/13-16         | 530/615/840     | 91,5   | SDSExxxYYYY16125 |
| 150 | 285 | 225 | 02-04/05-08/09-16         | 630/630/855     | 112    | SDSExxxYYYY16150 |

xxx = drawing number

\*\*Dimensions on request

YYYY = pressure adjustment range

## SAFETY VALVE

Angle. Mild Steel. PN 10/16

## CHARACTERISTICS

## Design:

- ◆ EN 13709 / UNE-EN ISO 4126-1.
- ◆ Face to face EN 558 series 1 (DIN 3202 F1).
- ◆ Flanged according to EN 1092.

## OPTIONAL CHARACTERISTICS

## Integrated Logistics Support (ILS):

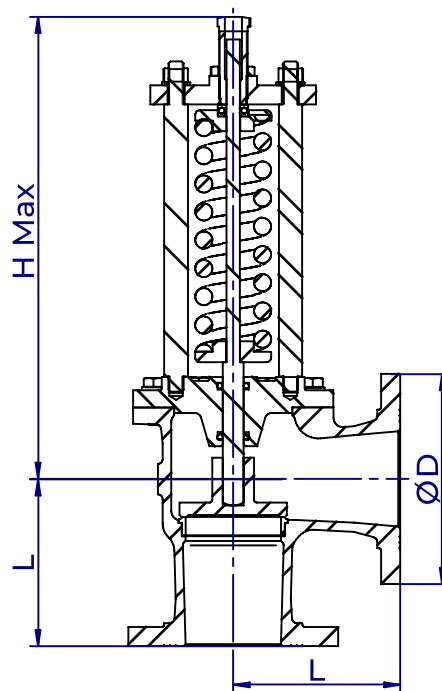
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).
- ◆ Pressure setting according to the customer's needs.

## WORKING CONDITIONS

|                                              |             |        |    |
|----------------------------------------------|-------------|--------|----|
| Size                                         | DN          | 15-150 |    |
| Nominal pressure                             | PN          | 10     | 16 |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4    | 15 |

## MATERIALS

| DRAWING | BODY/BONNET                                 | DISC                       | BODY SEAT RINGS            | SCREWS         |
|---------|---------------------------------------------|----------------------------|----------------------------|----------------|
| S-210   | Mild Steel (GS-C 25)<br>(EN10213/DIN 17245) | Bronze (Rg5)<br>(DIN 1705) | Bronze (Rg5)<br>(DIN 1705) | Mild Steel 8.8 |
| S-212   | Mild Steel (GS-C 25)<br>(EN10213/DIN 17245) | Stainless S.<br>(AISI420)  | Stainless S.<br>(AISI420)  | Mild Steel 8.8 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

## DIMENSIONS

| DN  | ØD  | L   | Pressure adjustment range | H Max           | Weight | Code             |
|-----|-----|-----|---------------------------|-----------------|--------|------------------|
| mm  | PN  | mm  | bar                       | mm              | [kg]   | SAVAL            |
| 15  | 95  | **  | 02-05/06-09/10-16/17-25   | 260/260/260/260 | 6      | SDSExxxYYYY16015 |
| 20  | 105 | **  | 02-05/06-09/10-16/17-25   | 260/260/260/260 | 7      | SDSExxxYYYY16020 |
| 25  | 115 | **  | 02-05/06-09/10-16/17-25   | 260/260/260/285 | 8      | SDSExxxYYYY16025 |
| 32  | 140 | 105 | 02-07/08-12/13-25         | 300/300/360     | 12,5   | SDSExxxYYYY16032 |
| 40  | 150 | 115 | 02-05/06-09/10-16/17-25   | 295/355/360/360 | 13     | SDSExxxYYYY16040 |
| 50  | 165 | 125 | 02-05/06-09/10-16/17-25   | 360/360/360/400 | 15,5   | SDSExxxYYYY16050 |
| 65  | 185 | 145 | 02-06/07-16/17-25         | 345/345/470     | 30,5   | SDSExxxYYYY16065 |
| 80  | 200 | 155 | 02-05/06-09/10-16/17-25   | 345/345/470/470 | 34     | SDSExxxYYYY16080 |
| 100 | 220 | 175 | 02-06/07-10/11-16         | 365/490/490     | 40,5   | SDSExxxYYYY16100 |
| 125 | 250 | 200 | 02-06/07-12/13-16         | 530/615/840     | 87     | SDSExxxYYYY16125 |
| 150 | 285 | 225 | 02-04/05-08/09-16         | 630/630/855     | 105,5  | SDSExxxYYYY16150 |

xxx = drawing number

\*\*Dimensions on request

YYYY = pressure adjustment range



## SAFETY VALVE

Angle. Stainless Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13709 / UNE-EN ISO 4126-1.
- ◆ Face to face EN 558 series 1 (DIN 3202 F1).
- ◆ Flanged according to EN 1092.

### OPTIONAL CHARACTERISTICS

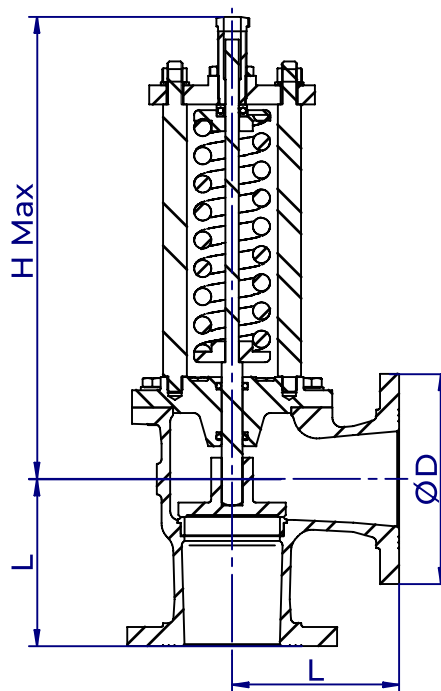
#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).
- ◆ Pressure setting according to the customer's needs.

### WORKING CONDITIONS

|                                              |             |        |      |
|----------------------------------------------|-------------|--------|------|
| Size                                         | DN          | 15-150 |      |
| Nominal pressure                             | PN          | 10     | 16   |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5    | 15,2 |

### MATERIALS



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | BODY/BONNET                              | DISC                                     | BODY SEAT RINGS                          | SCREWS          |
|---------|------------------------------------------|------------------------------------------|------------------------------------------|-----------------|
| S-616   | Stainless S. A316<br>(EN10088/DIN 17440) | Stainless S. A316<br>(EN10088/DIN 17440) | Stainless S. A316<br>(EN10088/DIN 17440) | Stainless S. A4 |

### DIMENSIONS

| DN  | ØD  | L   | Pressure adjustment range | H Max           | Weight | Code             |
|-----|-----|-----|---------------------------|-----------------|--------|------------------|
| mm  | PN  | mm  | bar                       | mm              | [kg]   | SAVAL            |
| 15  | 95  | **  | 02-05/06-09/10-16/17-25   | 260/260/260/260 | 6      | SDSE616YYYY16015 |
| 20  | 105 | **  | 02-05/06-09/10-16/17-25   | 260/260/260/260 | 7      | SDSE616YYYY16020 |
| 25  | 115 | **  | 02-05/06-09/10-16/17-25   | 260/260/260/285 | 8      | SDSE616YYYY16025 |
| 32  | 140 | 105 | 02-07/08-12/13-25         | 300/300/360     | 12,5   | SDSE616YYYY16032 |
| 40  | 150 | 115 | 02-05/06-09/10-16/17-25   | 295/355/360/360 | 13     | SDSE616YYYY16040 |
| 50  | 165 | 125 | 02-05/06-09/10-16/17-25   | 360/360/360/400 | 15,5   | SDSE616YYYY16050 |
| 65  | 185 | 145 | 02-06/07-16/17-25         | 345/345/470     | 30,5   | SDSE616YYYY16065 |
| 80  | 200 | 155 | 02-05/06-09/10-16/17-25   | 345/345/470/470 | 34     | SDSE616YYYY16080 |
| 100 | 220 | 175 | 02-06/07-10/11-16         | 365/490/490     | 40,5   | SDSE616YYYY16100 |
| 125 | 250 | 200 | 02-06/07-12/13-16         | 530/615/840     | 87     | SDSE616YYYY16125 |
| 150 | 285 | 225 | 02-04/05-08/09-16         | 630/630/855     | 105,5  | SDSE616YYYY16150 |

\*\*Dimensions on request

YYYY = pressure adjustment range



## CHECK VALVES

## PISTON CHECK VALVE

Straight. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ DIN 13789.
- ◆ Face to face EN 558 series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092.

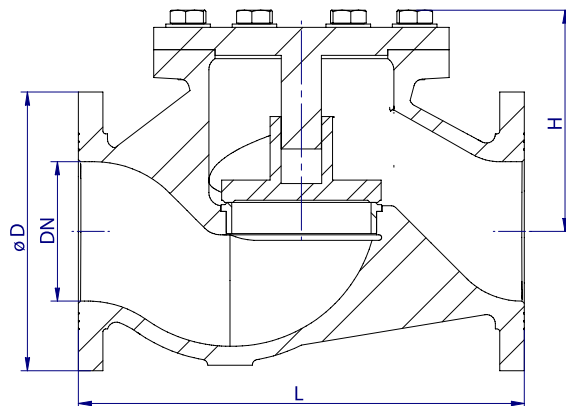
### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

|                                              |             |        |      |     |
|----------------------------------------------|-------------|--------|------|-----|
| Size                                         | DN          | 15-250 |      | 300 |
| Nominal pressure                             | PN          | 10     | 16   | 10  |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16   | 10  |
|                                              | Up to 225°C | 6,6    | 10,7 | 6,6 |



### MATERIALS

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | BODY/BONNET                 | SEAT                               | SCREWS             |
|---------|-----------------------------|------------------------------------|--------------------|
| R-708   | Bronze (Rg10)<br>(DIN 1705) | CuAl10Fe5Ni5<br>(EN 1982/DIN 1714) | Stainless Steel A4 |

### DIMENSIONS

| DN  | Flanges | ØD  | L   | H   | Weight | Code             |
|-----|---------|-----|-----|-----|--------|------------------|
| mm  | PN      | mm  | mm  | mm  | [kg]   | SAVAL            |
| 15  | 10/16   | 95  | 130 | 72  | 4      | SDRE708TABR16015 |
| 20  | 10/16   | 105 | 150 | 76  | 5      | SDRE708TABR16020 |
| 25  | 10/16   | 115 | 160 | 81  | 6      | SDRE708TABR16025 |
| 32  | 10/16   | 140 | 180 | 102 | 10     | SDRE708TABR16032 |
| 40  | 10/16   | 150 | 200 | 105 | 10,5   | SDRE708TABR16040 |
| 50  | 10/16   | 165 | 230 | 113 | 13     | SDRE708TABR16050 |
| 65  | 10/16   | 185 | 290 | 135 | 24     | SDRE708TABR16065 |
| 80  | 10/16   | 200 | 310 | 135 | 29,5   | SDRE708TABR16080 |
| 100 | 10/16   | 220 | 350 | 170 | 37     | SDRE708TABR16100 |
| 125 | 10/16   | 250 | 400 | 200 | 67,5   | SDRE708TABR16125 |
| 150 | 10/16   | 285 | 480 | 220 | 94     | SDRE708TABR16150 |
| 200 | 10      | 340 | 600 | 280 | 168    | SDRE708TABR10200 |
| 200 | 16      | 340 | 600 | 280 | 168    | SDRE708TABR16200 |
| 250 | 10      | 395 | 730 | 345 | 230    | SDRE708TABR10250 |
| 250 | 16      | 405 | 730 | 345 | 230    | SDRE708TABR16250 |
| 300 | 10      | 445 | 850 | 360 | 355    | SDRE708TABR10300 |

# PISTON CHECK VALVE

Straight. Mild Steel PN 10/16

## CHARACTERISTICS

### Design:

- ◆ DIN 13789.
- ◆ Face to face EN 558 series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092.

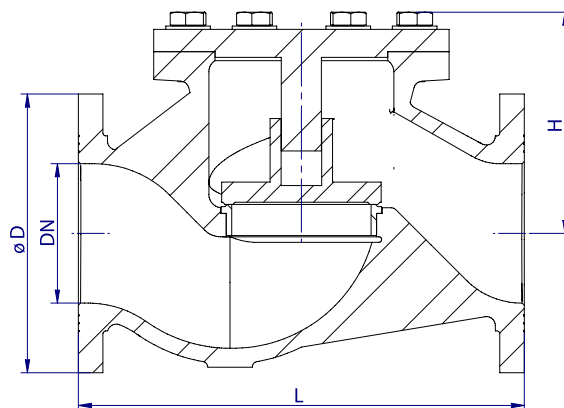
## OPTIONAL CHARACTERISTICS

### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

## WORKING CONDITIONS

|                                              |             |        |      |     |
|----------------------------------------------|-------------|--------|------|-----|
| Size                                         | DN          | 15-250 |      | 300 |
| Nominal pressure                             | PN          | 10     | 16   | 10  |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4    | 15   | 9,4 |
|                                              | Up to 225°C | 8      | 12,8 | 8   |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

## MATERIALS

| DRAWING | BODY/BONNET                                | SEAT                         | SCREWS         |
|---------|--------------------------------------------|------------------------------|----------------|
| R-200   | Mild Steel (GS-C25)<br>(EN10213/DIN 17245) | Bronze (Rg5)<br>(DIN 1705)   | Mild Steel 8.8 |
| R-202   | Mild Steel (GS-C25)<br>(EN10213/DIN 17245) | Stainless Steel<br>(AISI420) | Mild Steel 8.8 |

## DIMENSIONS

| DN  | Flanges | ØD  | L   | H   | Weight | Code             |
|-----|---------|-----|-----|-----|--------|------------------|
| mm  | PN      | mm  | mm  | mm  | [kg]   | SAVAL            |
| 15  | 10/16   | 95  | 130 | 72  | 4      | SDRExxxTABR16015 |
| 20  | 10/16   | 105 | 150 | 76  | 4,5    | SDRExxxTABR16020 |
| 25  | 10/16   | 115 | 160 | 81  | 5,5    | SDRExxxTABR16025 |
| 32  | 10/16   | 140 | 180 | 102 | 9,5    | SDRExxxTABR16032 |
| 40  | 10/16   | 150 | 200 | 105 | 10     | SDRExxxTABR16040 |
| 50  | 10/16   | 165 | 230 | 113 | 12     | SDRExxxTABR16050 |
| 65  | 10/16   | 185 | 290 | 135 | 22     | SDRExxxTABR16065 |
| 80  | 10/16   | 200 | 310 | 135 | 27     | SDRExxxTABR16080 |
| 100 | 10/16   | 220 | 350 | 170 | 34     | SDRExxxTABR16100 |
| 125 | 10/16   | 250 | 400 | 200 | 62,5   | SDRExxxTABR16125 |
| 150 | 10/16   | 285 | 480 | 220 | 87     | SDRExxxTABR16150 |
| 200 | 10      | 340 | 600 | 280 | 154    | SDRExxxTABR10200 |
| 200 | 16      | 340 | 600 | 280 | 154    | SDRExxxTABR16200 |
| 250 | 10      | 395 | 730 | 345 | 213    | SDRExxxTABR10250 |
| 250 | 16      | 405 | 730 | 345 | 213    | SDRExxxTABR16250 |
| 300 | 10      | 445 | 850 | 360 | 328    | SDRExxxTABR10300 |

xxx = drawing number

## PISTON CHECK VALVE

Straight. Stainless Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ DIN 13789.
- ◆ Face to face EN 558 series 1 (DIN 3202 F1).
- ◆ Flanges according to EN 1092.

### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

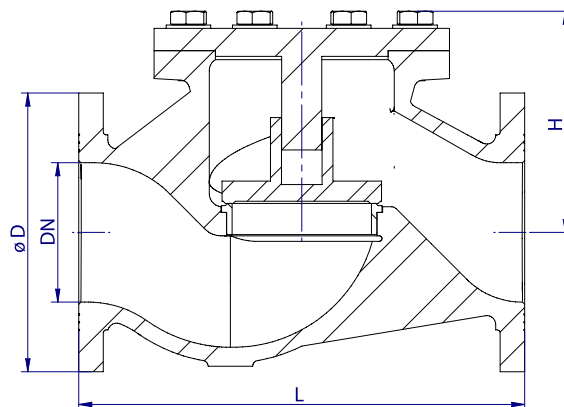
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

|                                              |             |        |      |     |
|----------------------------------------------|-------------|--------|------|-----|
| Size                                         | DN          | 15-250 |      | 300 |
| Nominal pressure                             | PN          | 10     | 16   | 10  |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5    | 15,2 | 9,5 |
|                                              | Up to 225°C | 7,3    | 11,6 | 7,3 |

### MATERIALS

| DRAWING | BODY/BONNET                                 | SEAT                                        | SCREWS             |
|---------|---------------------------------------------|---------------------------------------------|--------------------|
| R-606   | Stainless Steel A316<br>(EN10088/DIN 17440) | Stainless Steel A316<br>(EN10088/DIN 17440) | Stainless Steel A4 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1.  
100% Valves tested.

### DIMENSIONS

| DN  | Flanges | ØD  | L   | H   | Weight | Code             |
|-----|---------|-----|-----|-----|--------|------------------|
| mm  | PN      | mm  | mm  | mm  | [kg]   | SAVAL            |
| 15  | 10/16   | 95  | 130 | 72  | 4      | SDRE606TABR16015 |
| 20  | 10/16   | 105 | 150 | 76  | 4,5    | SDRE606TABR16020 |
| 25  | 10/16   | 115 | 160 | 81  | 5,5    | SDRE606TABR16025 |
| 32  | 10/16   | 140 | 180 | 102 | 9,5    | SDRE606TABR16032 |
| 40  | 10/16   | 150 | 200 | 105 | 10     | SDRE606TABR16040 |
| 50  | 10/16   | 165 | 230 | 113 | 12     | SDRE606TABR16050 |
| 65  | 10/16   | 185 | 290 | 135 | 22     | SDRE606TABR16065 |
| 80  | 10/16   | 200 | 310 | 135 | 27     | SDRE606TABR16080 |
| 100 | 10/16   | 220 | 350 | 170 | 34     | SDRE606TABR16100 |
| 125 | 10/16   | 250 | 400 | 200 | 62,5   | SDRE606TABR16125 |
| 150 | 10/16   | 285 | 480 | 220 | 87     | SDRE606TABR16150 |
| 200 | 10      | 340 | 600 | 280 | 154    | SDRE606TABR10200 |
| 200 | 16      | 340 | 600 | 280 | 154    | SDRE606TABR16200 |
| 250 | 10      | 395 | 730 | 345 | 213    | SDRE606TABR10250 |
| 250 | 16      | 405 | 730 | 345 | 213    | SDRE606TABR16250 |
| 300 | 10      | 445 | 850 | 360 | 328    | SDRE606TABR10300 |

## PISTON CHECK VALVE

Angle. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ DIN 13789.
- ◆ Face to face EN 558 series 8 (DIN 3202 F2).
- ◆ Flanges according to EN 1092.

### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

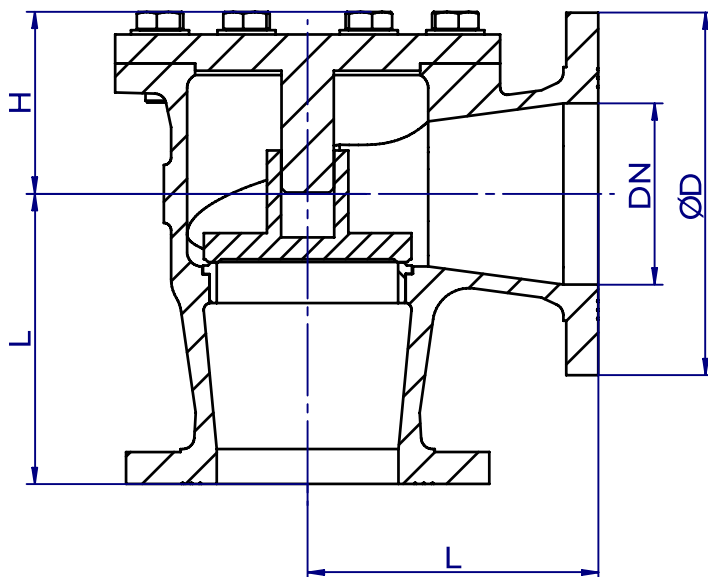
| Size                                         | DN          | 15-250 | 300  |
|----------------------------------------------|-------------|--------|------|
| Nominal pressure                             | PN          | 10     | 16   |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16   |
|                                              | Up to 225°C | 6,6    | 10,7 |

### MATERIALS

| DRAWING | BODY/BONNET                 | SEAT                              | SCREWS             |
|---------|-----------------------------|-----------------------------------|--------------------|
| R-718   | Bronze (Rg10)<br>(DIN 1705) | CuAl10Fe5Ni5<br>(EN1982/DIN 1714) | Stainless Steel A4 |

### DIMENSIONS

| DN  | Flanges | ØD  | L   | H   | Weight | Code             |
|-----|---------|-----|-----|-----|--------|------------------|
| mm  | PN      | mm  | mm  | mm  | [kg]   | SAVAL            |
| 15  | 10/16   | 95  | 75  | 61  | 4      | SDRE718TABR16015 |
| 20  | 10/16   | 105 | 85  | 61  | 5      | SDRE718TABR16020 |
| 25  | 10/16   | 115 | 90  | 61  | 5,5    | SDRE718TABR16025 |
| 32  | 10/16   | 140 | 105 | 81  | 9,5    | SDRE718TABR16032 |
| 40  | 10/16   | 150 | 115 | 81  | 11     | SDRE718TABR16040 |
| 50  | 10/16   | 165 | 125 | 83  | 12,5   | SDRE718TABR16050 |
| 65  | 10/16   | 185 | 145 | 93  | 22,5   | SDRE718TABR16065 |
| 80  | 10/16   | 200 | 155 | 100 | 26,5   | SDRE718TABR16080 |
| 100 | 10/16   | 220 | 175 | 110 | 33     | SDRE718TABR16100 |
| 125 | 10/16   | 250 | 200 | 126 | 55     | SDRE718TABR16125 |
| 150 | 10/16   | 285 | 225 | 143 | 72     | SDRE718TABR16150 |
| 200 | 10      | 340 | 275 | 170 | 137,5  | SDRE718TABR10200 |
| 200 | 16      | 340 | 275 | 170 | 137,5  | SDRE718TABR16200 |
| 250 | 10      | 395 | 325 | 222 | 226    | SDRE718TABR10250 |
| 250 | 16      | 405 | 325 | 222 | 226    | SDRE718TABR16250 |
| 300 | 10      | 445 | 375 | 223 | 260    | SDRE718TABR10300 |



- ◆ Hydraulic tightness and sealing test according to EN 12266-1.  
100% Valves tested.



## PISTON CHECK VALVE

Angle. Mild Steel PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ DIN 13789.
- ◆ Face to face EN 558 series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092.

### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

|                                  |             |        |      |     |
|----------------------------------|-------------|--------|------|-----|
| Size                             | DN          | 15-250 |      | 300 |
| Nominal pressure                 | PN          | 10     | 16   | 10  |
| Maximum working pressure, kg/cm² | Up to 100°C | 9,4    | 15   | 9,4 |
|                                  | Up to 225°C | 8      | 12,8 | 8   |

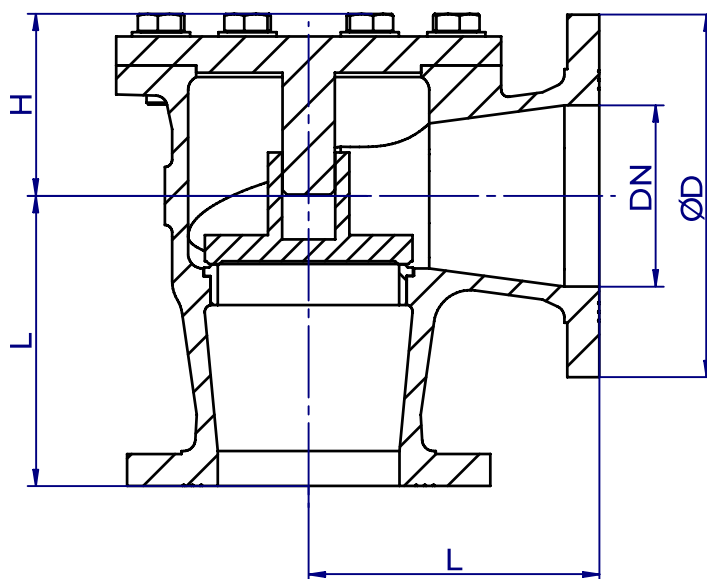
### MATERIALS

| DRAWING | BODY/BONNET                                | SEAT                         | SCREWS         |
|---------|--------------------------------------------|------------------------------|----------------|
| R-210   | Mild Steel (GS-C25)<br>(EN10213/DIN 17245) | Bronze (Rg5)<br>(DIN 1705)   | Mild Steel 8.8 |
| R-212   | Mild Steel (GS-C25)<br>(EN10213/DIN 17245) | Stainless Steel<br>(AISI420) | Mild Steel 8.8 |

### DIMENSIONS

| DN  | Flanges | ØD  | L   | H   | Weight | Code             |
|-----|---------|-----|-----|-----|--------|------------------|
| mm  | PN      | mm  | mm  | mm  | [kg]   | SAVAL            |
| 15  | 10/16   | 95  | 75  | 61  | 4      | SDRExxxTABR16015 |
| 20  | 10/16   | 105 | 85  | 61  | 4,5    | SDRExxxTABR16020 |
| 25  | 10/16   | 115 | 90  | 61  | 5      | SDRExxxTABR16025 |
| 32  | 10/16   | 140 | 105 | 81  | 9      | SDRExxxTABR16032 |
| 40  | 10/16   | 150 | 115 | 81  | 10     | SDRExxxTABR16040 |
| 50  | 10/16   | 165 | 125 | 83  | 11,5   | SDRExxxTABR16050 |
| 65  | 10/16   | 185 | 145 | 93  | 20,5   | SDRExxxTABR16065 |
| 80  | 10/16   | 200 | 155 | 100 | 24,5   | SDRExxxTABR16080 |
| 100 | 10/16   | 220 | 175 | 110 | 31     | SDRExxxTABR16100 |
| 125 | 10/16   | 250 | 200 | 126 | 51     | SDRExxxTABR16125 |
| 150 | 10/16   | 285 | 225 | 143 | 66,5   | SDRExxxTABR16150 |
| 200 | 10      | 340 | 275 | 170 | 127,5  | SDRExxxTABR10200 |
| 200 | 16      | 340 | 275 | 170 | 127,5  | SDRExxxTABR16200 |
| 250 | 10      | 395 | 325 | 222 | 209    | SDRExxxTABR10250 |
| 250 | 16      | 405 | 325 | 222 | 209    | SDRExxxTABR16250 |
| 300 | 10      | 445 | 375 | 223 | 242    | SDRExxxTABR10300 |

xxx = drawing number



- ◆ Hydraulic tightness and sealing test according to EN 12266-1.  
100% Valves tested.

# PISTON CHECK VALVE

Angle. Stainless Steel PN 10/16

## CHARACTERISTICS

### Design:

- ◆ DIN 13789.
- ◆ Face to face EN 558 series 8 (DIN 3202 F32).
- ◆ Flanges according to EN 1092.

## OPTIONAL CHARACTERISTICS

### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

## WORKING CONDITIONS

| Size                                         | DN          | 15-250 | 300  |
|----------------------------------------------|-------------|--------|------|
| Nominal pressure                             | PN          | 10     | 16   |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16   |
|                                              | Up to 225°C | 6,6    | 10,7 |

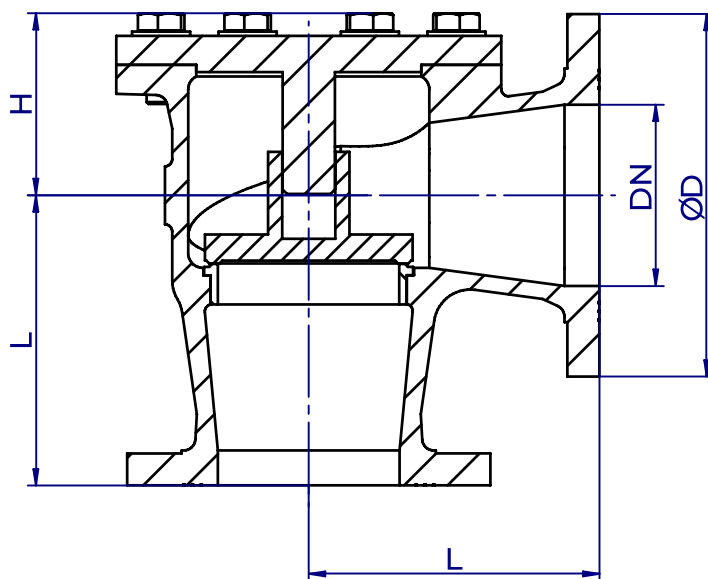
## MATERIALS

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | BODY/BONNET                                | SEAT                                       | SCREWS             |
|---------|--------------------------------------------|--------------------------------------------|--------------------|
| R-616   | Stainless Steel A316<br>(EN10088/DIN17440) | Stainless Steel A316<br>(EN10088/DIN17440) | Stainless Steel A4 |

## DIMENSIONS

| DN  | Flanges | ØD  | L   | H   | Weight | Code             |
|-----|---------|-----|-----|-----|--------|------------------|
| mm  | PN      | mm  | mm  | mm  | [kg]   | SAVAL            |
| 15  | 10/16   | 95  | 75  | 61  | 4      | SDRE616TABR16015 |
| 20  | 10/16   | 105 | 85  | 61  | 4,5    | SDRE616TABR16020 |
| 25  | 10/16   | 115 | 90  | 61  | 5      | SDRE616TABR16025 |
| 32  | 10/16   | 140 | 105 | 81  | 9      | SDRE616TABR16032 |
| 40  | 10/16   | 150 | 115 | 81  | 10     | SDRE616TABR16040 |
| 50  | 10/16   | 165 | 125 | 83  | 11,5   | SDRE616TABR16050 |
| 65  | 10/16   | 185 | 145 | 93  | 20,5   | SDRE616TABR16065 |
| 80  | 10/16   | 200 | 155 | 100 | 24,5   | SDRE616TABR16080 |
| 100 | 10/16   | 220 | 175 | 110 | 31     | SDRE616TABR16100 |
| 125 | 10/16   | 250 | 200 | 126 | 51     | SDRE616TABR16125 |
| 150 | 10/16   | 285 | 225 | 143 | 66,5   | SDRE616TABR16150 |
| 200 | 10      | 340 | 275 | 170 | 127,5  | SDRE616TABR10200 |
| 200 | 16      | 340 | 275 | 170 | 127,5  | SDRE616TABR16200 |
| 250 | 10      | 395 | 325 | 222 | 209    | SDRE616TABR10250 |
| 250 | 16      | 405 | 325 | 222 | 209    | SDRE616TABR16250 |
| 300 | 10      | 445 | 375 | 223 | 242    | SDRE616TABR10300 |



## SWING CHECK VALVE

Straight. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ UN EN 16767.
- ◆ Face to face EN 558-1 (DIN 3202 F6).
- ◆ Flanges according to EN 1092.
- ◆ Metal seated.

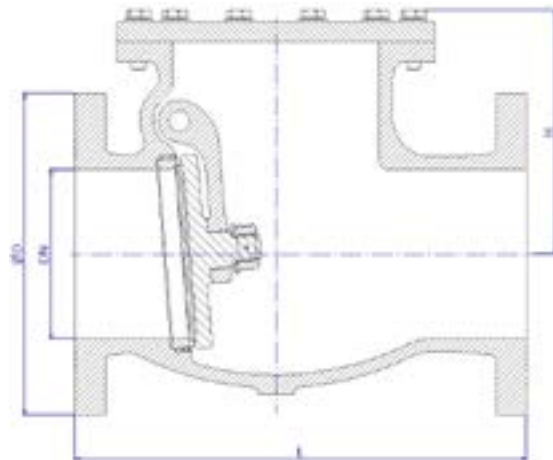
### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

|                                              |             |        |      |
|----------------------------------------------|-------------|--------|------|
| Size                                         | DN          | 32-250 |      |
| Nominal pressure                             | PN          | 10     | 16   |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10     | 16   |
|                                              | Up to 225°C | 6,6    | 10,7 |



### MATERIALS

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | BODY                        | COVER                                     | DISC                              | SEAT                              | SCREWS         |
|---------|-----------------------------|-------------------------------------------|-----------------------------------|-----------------------------------|----------------|
| RS-707  | Bronze (Rg10)<br>(DIN 1705) | Bronze (Rg10)<br>(DIN 1705)               | Bronze (Rg10)<br>(DIN 1705)       | Bronze (Rg10)<br>(DIN 1705)       | Mild Steel 8.8 |
| RS-708  | Bronze (Rg10)<br>(DIN 1705) | CuAl10Fe5Ni5 / RG-10<br>(EN1982/DIN 1714) | CuAl10Fe5Ni5<br>(EN1982/DIN 1714) | CuAl10Fe5Ni5<br>(EN1982/DIN 1714) | Mild Steel 8.8 |

### DIMENSIONS

| DN  | Flanges | ØD  | L   | H   | Weight | Code             |
|-----|---------|-----|-----|-----|--------|------------------|
| mm  | PN      | mm  | mm  | mm  | [kg]   | SAVAL            |
| 32  | 10/16   | 140 | 180 | 138 | 14     | SDRSxxxTABR16032 |
| 40  | 10/16   | 150 | 180 | 138 | 14,5   | SDRSxxxTABR16040 |
| 50  | 10/16   | 165 | 200 | 145 | 19,5   | SDRSxxxTABR16050 |
| 65  | 10/16   | 185 | 240 | 165 | 24,5   | SDRSxxxTABR16065 |
| 80  | 10/16   | 200 | 260 | 175 | 29,5   | SDRSxxxTABR16080 |
| 100 | 10/16   | 220 | 300 | 200 | 37     | SDRSxxxTABR16100 |
| 125 | 10/16   | 250 | 350 | 220 | 60,5   | SDRSxxxTABR16125 |
| 150 | 10/16   | 285 | 400 | 240 | 69,5   | SDRSxxxTABR16150 |
| 200 | 10      | 340 | 500 | 310 | 156    | SDRSxxxTABR10200 |
| 200 | 16      | 340 | 500 | 310 | 156    | SDRSxxxTABR16200 |
| 250 | 10      | 395 | 600 | 380 | 226,5  | SDRSxxxTABR10250 |
| 250 | 16      | 405 | 600 | 380 | 232,5  | SDRSxxxTABR16250 |

xxx = drawing number

## SWING CHECK VALVE

Straight. Mild Steel. PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ UN EN 16767.
- ◆ Face to face EN 558-1 (DIN 3202 F6).
- ◆ Flanges according to EN 1092 (DIN 2633 PN16).
- ◆ Metal seated.

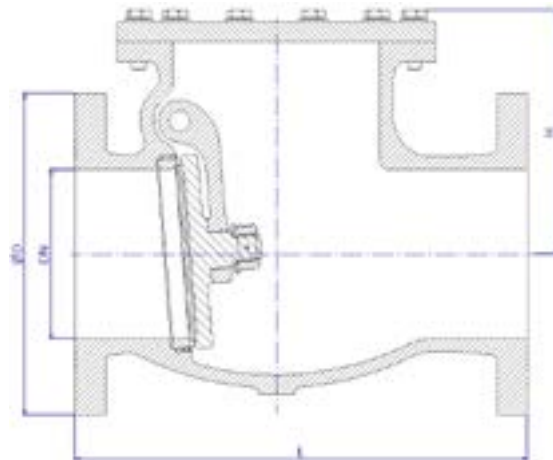
### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 32-250 |      |
|----------------------------------------------|-------------|--------|------|
| Nominal pressure                             | PN          | 10     | 16   |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,4    | 15   |
|                                              | Up to 225°C | 8      | 12,8 |



### MATERIALS

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | BODY                                        | COVER           | DISC                       | SEAT                       | SCREWS         |
|---------|---------------------------------------------|-----------------|----------------------------|----------------------------|----------------|
| RS-200  | Mild Steel (GS-C 25)<br>(EN10213/DIN 17245) | ST52 or similar | Bronze (Rg5)<br>(DIN 1705) | Bronze (Rg5)<br>(DIN 1705) | Mild Steel 8.8 |
| RS-202  | Mild Steel (GS-C 25)<br>(EN10213/DIN 17245) | ST52 or similar | Stainless S.<br>(AISI420)  | Stainless S.<br>(AISI420)  | Mild Steel 8.8 |

### DIMENSIONS

| DN  | Flanges | ØD  | L   | H   | Weight | Code             |
|-----|---------|-----|-----|-----|--------|------------------|
| mm  | PN      | mm  | mm  | mm  | [kg]   | SAVAL            |
| 32  | 10/16   | 140 | 180 | 138 | 13     | SDRSxxxTABR16032 |
| 40  | 10/16   | 150 | 180 | 138 | 13     | SDRSxxxTABR16040 |
| 50  | 10/16   | 165 | 200 | 145 | 17,5   | SDRSxxxTABR16050 |
| 65  | 10/16   | 185 | 240 | 165 | 22,5   | SDRSxxxTABR16065 |
| 80  | 10/16   | 200 | 260 | 175 | 27     | SDRSxxxTABR16080 |
| 100 | 10/16   | 220 | 300 | 200 | 34,5   | SDRSxxxTABR16100 |
| 125 | 10/16   | 250 | 350 | 220 | 56     | SDRSxxxTABR16125 |
| 150 | 10/16   | 285 | 400 | 240 | 72,5   | SDRSxxxTABR16150 |
| 200 | 10      | 340 | 500 | 310 | 144    | SDRSxxxTABR10200 |
| 200 | 16      | 340 | 500 | 310 | 144    | SDRSxxxTABR16200 |
| 250 | 10      | 395 | 600 | 380 | 206,5  | SDRSxxxTABR10250 |
| 250 | 16      | 405 | 600 | 380 | 211,5  | SDRSxxxTABR16250 |

xxx = drawing figure

## SWING CHECK VALVE

Straight. Stainless Steel. PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ UN EN 16767.
- ◆ Face to face EN 558-1 (DIN 3202 F6).
- ◆ Flanges according to EN 1092 (DIN 2633 PN16).
- ◆ Metal seated.

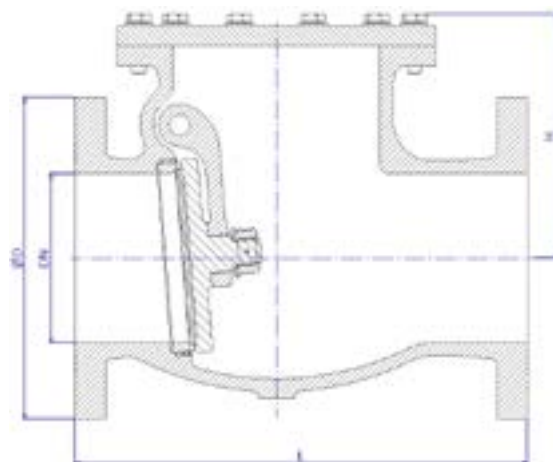
### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

| Size                                         | DN          | 32-250 |      |
|----------------------------------------------|-------------|--------|------|
| Nominal pressure                             | PN          | 10     | 16   |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 9,5    | 15,2 |
|                                              | Up to 225°C | 7,3    | 11,6 |



### MATERIALS

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | BODY                                     | COVER             | DISC              | SEAT              | SCREWS          |
|---------|------------------------------------------|-------------------|-------------------|-------------------|-----------------|
| RS-606  | Stainless Steel A316 (EN10088/DIN 17440) | Stainless S. A316 | Stainless S. A316 | Stainless S. A316 | Stainless S. A4 |

### DIMENSIONS

| DN  | Flanges | ØD  | L   | H   | Weight | Code             |
|-----|---------|-----|-----|-----|--------|------------------|
| mm  | PN      | mm  | mm  | mm  | [kg]   | SAVAL            |
| 32  | 10/16   | 140 | 180 | 138 | 13     | SDRS606TABR16032 |
| 40  | 10/16   | 150 | 180 | 138 | 13     | SDRS606TABR16040 |
| 50  | 10/16   | 165 | 200 | 145 | 17,5   | SDRS606TABR16050 |
| 65  | 10/16   | 185 | 240 | 165 | 22,5   | SDRS606TABR16065 |
| 80  | 10/16   | 200 | 260 | 175 | 27     | SDRS606TABR16080 |
| 100 | 10/16   | 220 | 300 | 200 | 34,5   | SDRS606TABR16100 |
| 125 | 10/16   | 250 | 350 | 220 | 56     | SDRS606TABR16125 |
| 150 | 10/16   | 285 | 400 | 240 | 72,5   | SDRS606TABR16150 |
| 200 | 10      | 340 | 500 | 310 | 144    | SDRS606TABR10200 |
| 200 | 16      | 340 | 500 | 310 | 144    | SDRS606TABR16200 |
| 250 | 10      | 395 | 600 | 380 | 206,5  | SDRS606TABR10250 |
| 250 | 16      | 405 | 600 | 380 | 211,5  | SDRS606TABR16250 |



## OVERBOARD VALVES



## OVERBOARD VALVE

Straight. Bronze PN 10/16

### CHARACTERISTICS

#### Design:

- ◆ EN 13789 (DIN 3356 part 5).
- ◆ Face to face EN 558-1 Series-1.
- ◆ Flanges according to EN 1092 (DIN 2633).
- ◆ With a spring set value of 0.5 kg/cm<sup>2</sup>.
- ◆ Position indicator.

### OPTIONAL CHARACTERISTICS

#### Integrated Logistics Support (ILS):

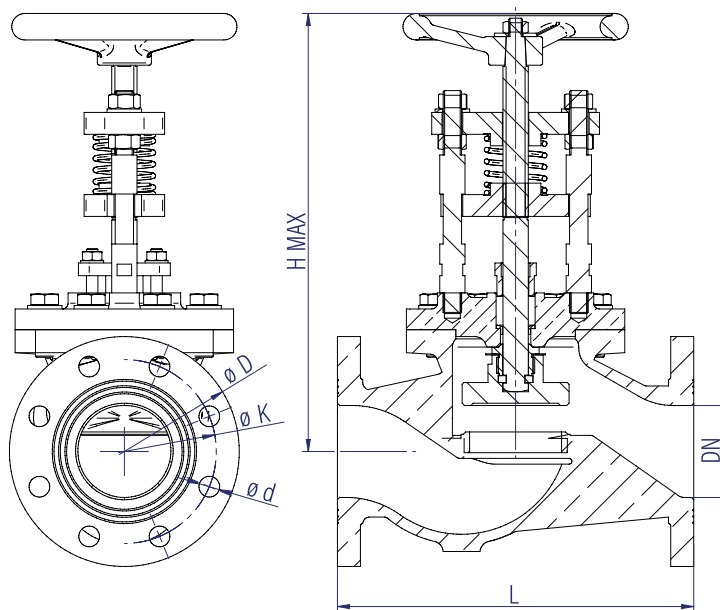
- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

### WORKING CONDITIONS

|                                              |             |        |
|----------------------------------------------|-------------|--------|
| Size                                         | DN          | 32-150 |
| Nominal Pressure                             | PN          | 10 16  |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10 16  |

### MATERIALS

- ◆ Hydraulic tightness and sealing test according to EN 12266-1.  
100% Valves tested.



| DRAWING | TYPE      | BODY/BONNET                                              | SEAT                            | STEM                            | BOLTING         | LAVER     |
|---------|-----------|----------------------------------------------------------|---------------------------------|---------------------------------|-----------------|-----------|
| GD-708  | Overboard | Bronze (Rg10)(DIN1705) / CuAl10Fe5Ni5 (EN 1982/DIN 1714) | CuAl10Fe5Ni5 (EN 1982/DIN 1714) | CuAl10Fe5Ni5 (En 1982/DIN 1714) | Stainless S. A4 | Aluminium |

### DIMENSIONS

| DN  | ØD  | Flanges | L   | H Max | ød | øK  | Number of holes | Weight | Code             |
|-----|-----|---------|-----|-------|----|-----|-----------------|--------|------------------|
| mm  | mm  | PN      | mm  | mm    | mm | mm  |                 | [kg]   | SAVAL            |
| 32  | 140 | 10/16   | 180 | 320   | 18 | 100 | 4               | 14     | SDGD708TABR16032 |
| 40  | 150 | 10/16   | 200 | 325   | 18 | 110 | 4               | 14,5   | SDGD708TABR16040 |
| 50  | 165 | 10/16   | 230 | 325   | 18 | 125 | 4               | 16     | SDGD708TABR16050 |
| 65  | 185 | 10/16   | 290 | 385   | 18 | 145 | 4               | 30     | SDGD708TABR16065 |
| 80  | 200 | 10/16   | 310 | 385   | 18 | 160 | 8               | 35,5   | SDGD708TABR16080 |
| 100 | 220 | 10/16   | 350 | 463   | 18 | 180 | 8               | 44     | SDGD708TABR16100 |
| 125 | 250 | 10/16   | 400 | 610   | 18 | 210 | 8               | 83     | SDGD708TABR16125 |
| 150 | 285 | 10/16   | 480 | 627   | 22 | 240 | 8               | 111    | SDGD708TABR16150 |
| 200 | 340 | 10      | 600 | 825   | 22 | 295 | 8               | 191    | SDGD708INBR10200 |
| 200 | 340 | 16      | 600 | 825   | 22 | 295 | 12              | 190    | SDGD708INBR16200 |

# OVERBOARD VALVE

Angle. Bronze PN 10/16

## CHARACTERISTICS

### Design:

- ◆ EN 13789 (DIN 3356 part 5).
- ◆ Face to face EN 558-1 Series-8.
- ◆ Flanges according to EN 1092 (DIN 2633).
- ◆ With a spring set value of 0.5 kg/cm<sup>2</sup>.
- ◆ Position indicator.

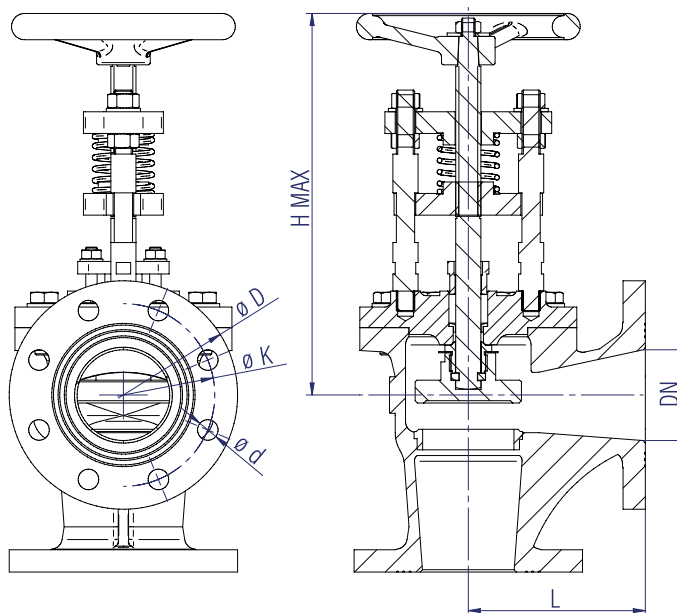
## OPTIONAL CHARACTERISTICS

### Integrated Logistics Support (ILS):

- ◆ Technical Documentation (accessible by QR).
- ◆ Spare parts procurement (LCRS).
- ◆ Logistics engineering (obsolescence/costs).

## WORKING CONDITIONS

|                                              |             |        |
|----------------------------------------------|-------------|--------|
| Size                                         | DN          | 32-150 |
| Nominal Pressure                             | PN          | 10 16  |
| Maximum working pressure, kg/cm <sup>2</sup> | Up to 100°C | 10 16  |



## MATERIALS

- ◆ Hydraulic tightness and sealing test according to EN 12266-1. 100% Valves tested.

| DRAWING | TYPE      | BODY/BONNET                                              | SEAT                            | STEM                            | BOLTING         | LAVER     |
|---------|-----------|----------------------------------------------------------|---------------------------------|---------------------------------|-----------------|-----------|
| GD-718  | Overboard | Bronze (Rg10)(DIN1705) / CuAl10Fe5Ni5 (EN 1982/DIN 1714) | CuAl10Fe5Ni5 (EN 1982/DIN 1714) | CuAl10Fe5Ni5 (En 1982/DIN 1714) | Stainless S. A4 | Aluminium |

## DIMENSIONS

| DN  | ØD  | Flanges | L   | H Max | ød | øK  | Number of holes | Weight | Code             |
|-----|-----|---------|-----|-------|----|-----|-----------------|--------|------------------|
| mm  | mm  | PN      | mm  | mm    | mm | mm  |                 | [kg]   | SAVAL            |
| 32  | 140 | 10/16   | 105 | 300   | 18 | 100 | 4               | 12     | SDGD718TABR16032 |
| 40  | 150 | 10/16   | 115 | 300   | 18 | 110 | 4               | 13     | SDGD718TABR16040 |
| 50  | 165 | 10/16   | 125 | 300   | 18 | 125 | 4               | 15,5   | SDGD718TABR16050 |
| 65  | 185 | 10/16   | 145 | 335   | 18 | 145 | 4               | 28,5   | SDGD718TABR16065 |
| 80  | 200 | 10/16   | 155 | 335   | 18 | 160 | 8               | 32,5   | SDGD718TABR16080 |
| 100 | 220 | 10/16   | 175 | 402   | 18 | 180 | 8               | 40     | SDGD718TABR16100 |
| 125 | 250 | 10/16   | 200 | 563   | 18 | 210 | 8               | 70,5   | SDGD718TABR16125 |
| 150 | 285 | 10/16   | 225 | 550   | 22 | 240 | 8               | 88,5   | SDGD718TABR16150 |
| 200 | 340 | 10      | 275 | 725   | 22 | 295 | 8               | 161    | SDGD718INBR10200 |
| 200 | 340 | 16      | 275 | 725   | 22 | 295 | 12              | 160    | SDGD718INBR16200 |



## SCUPPERS

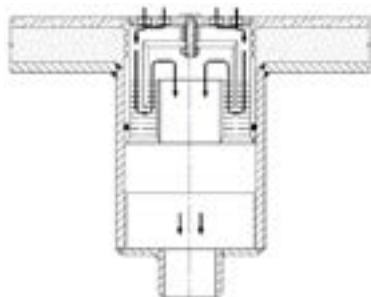
## SCUPPER

Vertical outlet. For welding.

### CHARACTERISTICS

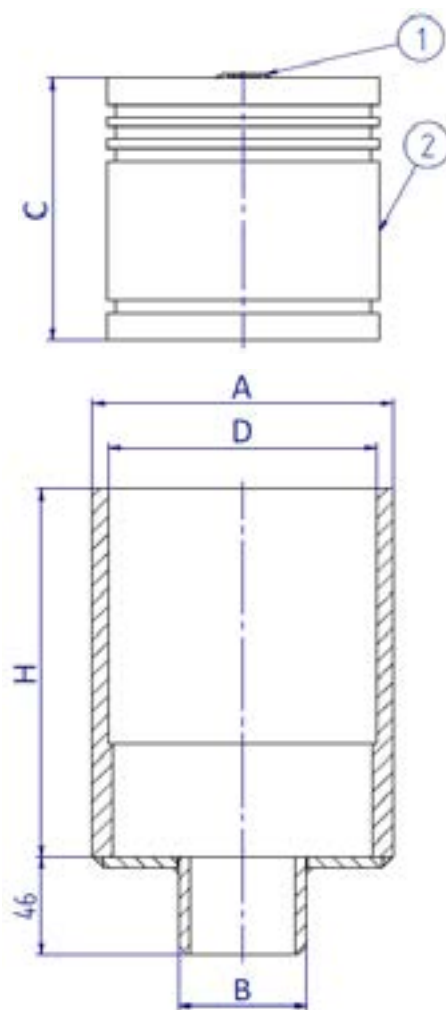
#### Design:

- ◆ Other materials are available.
- ◆ For special sizes with a higher "H" dimension than standard, special internal "C" heights can be offered.



◆ Typical assembly

| N° | COMPONENT | MATERIAL |
|----|-----------|----------|
| 1  | Grid      | RG-5     |
|    |           | AISI 316 |
| 2  | Body      | PCV      |



### MATERIALS AND DIMENSIONS

| Reference |        | A     | B    | C   | H        |         |     | D     | Material            |
|-----------|--------|-------|------|-----|----------|---------|-----|-------|---------------------|
|           |        |       |      |     | Standard | Special |     |       |                     |
| D-101-01  | 2"     | 141,3 | 60,3 | 120 | 124      | 160     | 202 | 126   | Galvanised steel    |
| D-101-02  | 1 1/2" | 101,6 | 48,3 | 70  | 80       | -       |     | 92    |                     |
|           |        |       |      | 110 | 121      | 160     |     |       |                     |
| D-101-03  | 2"     | 140   | 55   | 120 | 124      | 160     | 202 | 126,3 | Aluminium 6060/6082 |
| D-101-04  | 1 1/2" | 100   | 50   | 70  | 80       | -       |     | 92    |                     |
|           |        |       |      | 110 | 120      | 160     |     |       |                     |
| D-101-05  | 2"     | 140   | 55   | 120 | 124      | 202     |     | 126   | Stainless Steel     |
|           |        |       |      |     |          |         |     |       |                     |

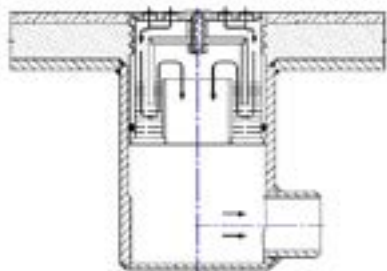
## SCUPPER

Horizontal outlet. For welding.

### CHARACTERISTICS

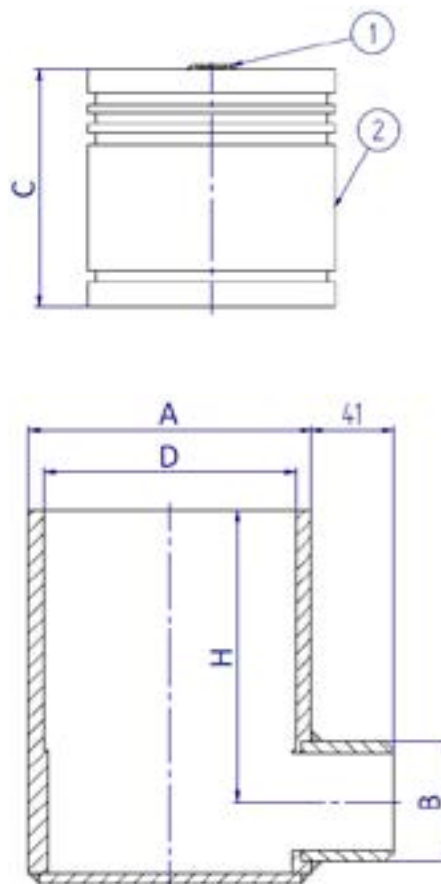
#### Design:

- ◆ Other materials are available.
- ◆ For special sizes with a higher "H" dimension than standard, special internal "C" heights can be offered.



◆ Typical assembly

| N° | COMPONENT | MATERIAL |
|----|-----------|----------|
| 1  | Grid      | RG-5     |
|    |           | AISI 316 |
| 2  | Body      | PCV      |



### MATERIALS AND DIMENSIONS

| Reference |        | A     | B    | C   | H        |         |     | D   | Material            |
|-----------|--------|-------|------|-----|----------|---------|-----|-----|---------------------|
|           |        |       |      |     | Standard | Special |     |     |                     |
| D-102-01  | 2"     | 141,3 | 60,3 | 120 | 116      | 160     | 191 | 126 | Galvanised Steel    |
| D-102-02  | 1 1/2" | 101,6 | 48,3 | 110 | 102      | 150     | 182 | 92  |                     |
| D-102-03  | 2"     | 140   | 55   | 120 | 116      | 160     | 191 | 126 | Aluminium 6060/6082 |
| D-102-04  | 1 1/2" | 100   | 50   | 110 | 101      | 150     | 181 | 92  |                     |
|           |        |       |      |     |          |         |     |     |                     |

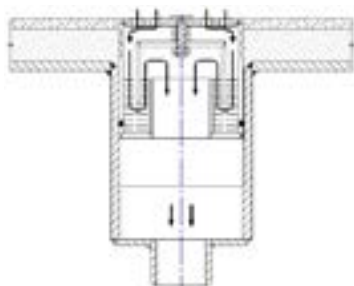
## SCUPPER

Vertical outlet. For threading.

### CHARACTERISTICS

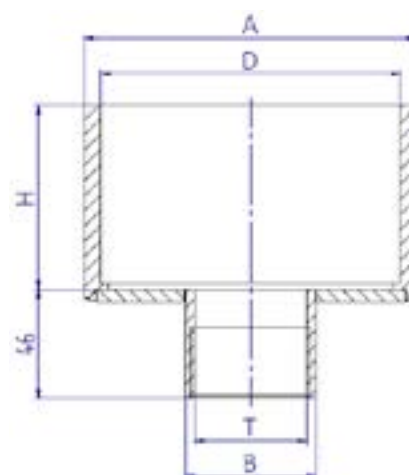
#### Design:

- ◆ Possibility of manufacturing in other materials and dimensions.



◆ Typical assembly

| N° | COMPONENT | MATERIAL |
|----|-----------|----------|
| 1  | Grid      | RG-5     |
|    |           | AISI 316 |
| 2  | Body      | PCV      |



### MATERIALS AND DIMENSIONS

| Reference |    | A   | B  | T       | C  | H  | D     | Material            |
|-----------|----|-----|----|---------|----|----|-------|---------------------|
| D-107-01  | 2" | 140 | 55 | G1 1/2" | 75 | 80 | 126,5 | Aluminium 6060/6082 |
| D-107-02  | 2" | 140 | 55 | G1 1/4" | 75 | 80 | 126,5 |                     |



## SCUPPER

For shower.

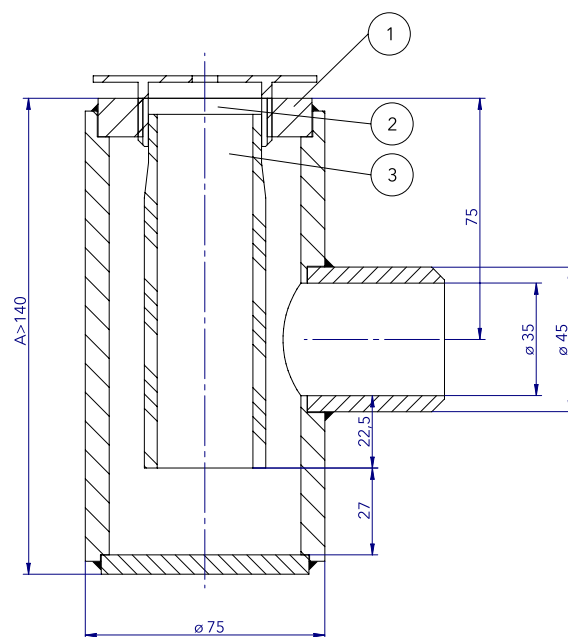
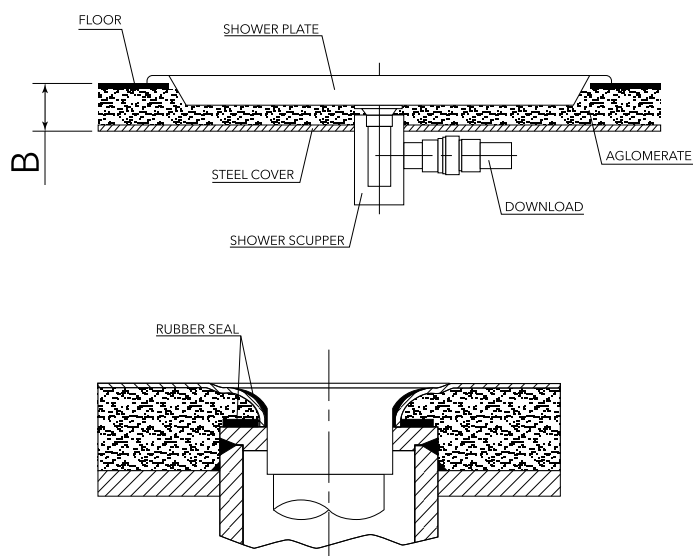
### CHARACTERISTICS

#### Design:

- ◆ Other materials and dimensions available

#### Notes:

- ◆ The dimension "A" depends on the thickness of the floor "B".



- ◆ Typical assembly

### MATERIALS

| REF. | COMPONENT           | MATERIAL            |
|------|---------------------|---------------------|
| 1    | Body                | Galvanised steel    |
| 2    | Nipple              | Brass Chrome plated |
| 3    | Hydraulic seal tube | PVC                 |

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