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| Астана (7172)727-132        | Красноярск (391)204-63-61       | Саратов (845)249-38-78         |
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| Киров (8332)68-02-04        | Рязань (4912)46-61-64           | Ярославль (4852)69-52-93       |
|                             | Самара (846)206-03-16           |                                |

**Единый адрес:** [kbs@nt-rt.ru](mailto:kbs@nt-rt.ru) **Веб-сайт:** [www.kbs.nt-rt.ru](http://www.kbs.nt-rt.ru)

## Обратные клапаны KSB. Техническое описание

Swing Check Valve

## SISTO-RSK/RSKS

PN 16 / DN 25-300

Maintenance-free  
Soft-seated  
With or without Lining  
Flanged Ends

## Type Series Booklet



**SISTO**

## Check Valves and Strainers

### Swing Check Valves to DIN/EN

### SISTO-RSK/RSKS



#### Main applications

- Mining
- General irrigation systems
- Chemical industry
- Disposal
- Fire-fighting systems
- Domestic water supply
- Nuclear power stations
- Sewage treatment plants
- Fossil-fuelled power stations
- Seawater desalination/reverse osmosis
- Process engineering
- Water treatment
- Water supply systems

#### Fluids handled

- Abrasive fluids
- Faecal-free waste water
- Aggressive fluids
- Inorganic fluids
- Brackish water
- Service water
- Solids-laden fluids
- River, lake and groundwater
- Fluids posing a health hazard

- Toxic fluids
- Highly aggressive fluids
- Condensate
- Corrosive fluids
- Valuable fluids
- Cooling water
- Fire-fighting water
- Solvents
- Seawater
- Fluids containing mineral oils
- Organic fluids
- Radioactive fluids
- Cleaning agents
- Grey water
- Brine
- Drinking water
- Wash water
- Other fluids on request.

#### Operating data

Operating properties

| Characteristic                             | Value             |
|--|-------------------|
| Nominal pressure                           | PN 16             |
| Nominal size                               | DN 15-300         |
| Permissible pressure                       | 1-16 bar          |
| Max. permissible temperature <sup>1)</sup> | -20 °C to +140 °C |

#### Body materials

Overview of available materials

| Material         | Material number | Temperature limit |
|------------------|-----------------|-------------------|
| EN-GJS-400-18-LT | 5.3103          | -20 °C to +140 °C |

#### Design details

##### Design

- Soft-seated swing check valve in straight-way pattern with straight-line flow path
- Soft rubber encapsulated disc with slanted seat
- Internal hinge pin
- Marked in accordance with DIN EN 19 (ISO 5209)
- The valves satisfy the safety requirements of Annex I of the European Pressure Equipment Directive 97/23/EC (PED) for fluids in Groups 1 and 2.
- The valves do not have a potential internal source of ignition and can be used in potentially explosive atmospheres, Group II, category 2 (zones 1+21) and category 3 (zones 2+22) to ATEX 94/9/EC.

<sup>1)</sup> The temperatures indicated are for orientation only; they are not valid for all operating conditions.

### Variants

- Body and cover lined with IIR (butyl); temperature limit: +120 °C
- Body and cover lined with NRH (hard rubber); temperature limit +100 °C
- Body and cover coated with ECTFE (Halar); temperature limit +90 °C
- Body and cover coated with PA (Rilsan)<sup>2)</sup>; temperature limit +90 °C
- IIR-encapsulated disc; temperature limit +120 °C
- CSM-encapsulated disc; temperature limit +100 °C
- EPDM-encapsulated disc; temperature limit +140 °C
- NBR-encapsulated disc; temperature limit +90 °C
- Certification to customer specification

### Product benefits

- Streamlined body design provides low flow resistance coefficient.
- The valve hydraulics without dead volume offer optimum conditions for high-purity fluids.
- Valve disc slightly pre-loaded to prevent pressure surges
- Maintenance-free due to internal hinge pin
- Soft rubber encapsulated valve disc ensures reliable shut-off.

### Related documents

- Operating manual 0570.821

### On all enquiries/orders please specify

1. Type
2. Nominal pressure
3. Nominal size

4. Operating pressure
5. Differential pressure
6. Operating temperature
7. Fluid handled
8. Pipe connection
9. Variants
10. Number of type series booklet
11. Certificate

### Flow characteristics

Flow coefficients for unlined valves

| DN  | RSK<br>Kvs value<br>[m³/h] | DN  | RSKS<br>Kvs value<br>[m³/h] |
|-----|----------------------------|-----|-----------------------------|
| 25  | 16,0                       | 25  | 16,0                        |
| 40  | 40,0                       | 40  | -                           |
| 50  | 63,0                       | 50  | 63,0                        |
| 65  | -                          | 65  | 97,0                        |
| 80  | 160,0                      | 80  | 160,0                       |
| 100 | 230,0                      | 100 | 230,0                       |
| 125 | 391,0                      | 125 | 391,0                       |
| 150 | 532,0                      | 150 | 532,0                       |
| 200 | -                          | 200 | 1002,0                      |
| 250 | -                          | 250 | 1384,0                      |
| 300 | -                          | 300 | 2254,0                      |

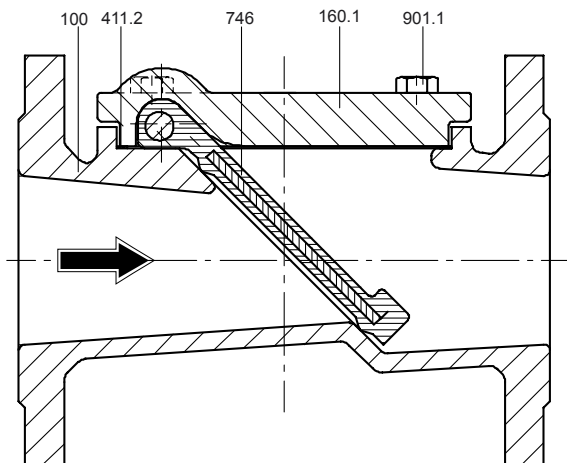
### Pressure/temperature ratings

Permissible operating pressures in bar at temperatures of °C (to EN 1092-2/EN 1092-1)

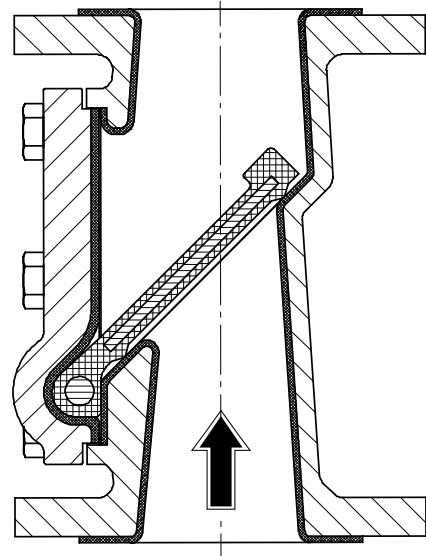
| Nominal pressure | Material | DN     | -20 to +100 | +120 | +140 |
|------------------|----------|--------|-------------|------|------|
| 16               | 5.3103   | 25-300 | 16          | 12   | 8    |

<sup>2)</sup> In compliance with KTW recommendations for the use of elastomers in drinking water issued by the German Federal Office of Health.

**Materials**



Horizontal installation position  
(Shown: variant without lining)



Vertical installation position <sup>3)</sup>  
(Shown: variant with lining)

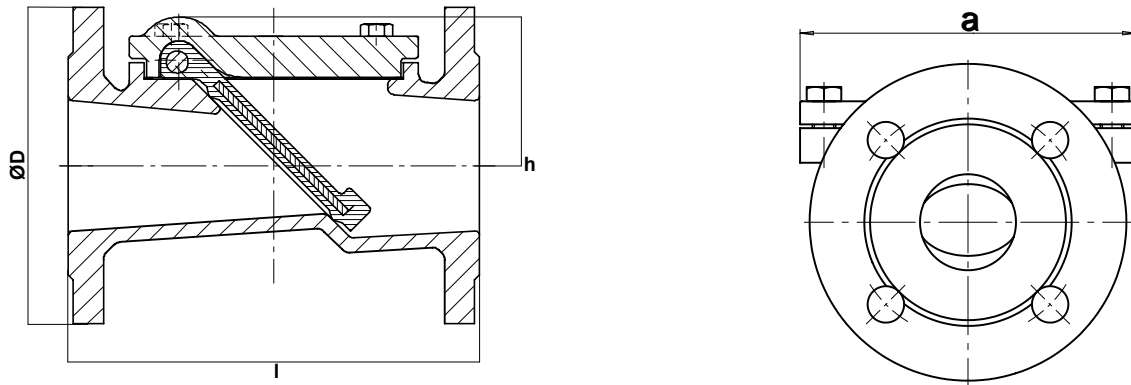
**Parts list**

| Part No.            | Description       | Material             | Material number | Note     |
|---------------------|-------------------|----------------------|-----------------|----------|
| 100                 | Body              | EN-GJS-400-18-LT/NRH | 5.3103          | Standard |
| 160.1               | Cover             | EN-GJS-400-18-LT/NRH | 5.3103          | Standard |
| 411.2 <sup>4)</sup> | Joint ring        | EPDM                 |                 |          |
| 746 <sup>4)</sup>   | Valve disc        | S355/IIR             |                 | Standard |
| 901.1               | Hexagon head bolt | A2-70                |                 |          |

<sup>3)</sup> Vertical installation is only permitted if the fluid does not contain any solids.

<sup>4)</sup> Recommended spare parts

## Dimensions



Dimensions in mm

| DN  | l   |                   | a   |      | h   | ØD  | [kg] |      |
|-----|-----|-------------------|-----|------|-----|-----|------|------|
|     | RSK | RSKS              | RSK | RSKS |     |     | RSK  | RSKS |
| 25  | 160 | -                 | 84  | 84   | 43  | 115 | 4    | 4    |
| 40  | 200 | 180 <sup>5)</sup> | 164 | 164  | 78  | 150 | 11   | 11   |
| 50  | 230 | 200               | 175 | 164  | 78  | 165 | 11   | 12   |
| 65  | -   | 240               | -   | 164  | 78  | 185 | -    | 15   |
| 80  | 310 | 260               | 224 | 232  | 100 | 200 | 25   | 28   |
| 100 | 350 | 300               | 224 | 232  | 100 | 220 | 31   | 33   |
| 125 | 400 | 350               | 290 | 290  | 130 | 250 | 50   | 48   |
| 150 | 480 | 400               | 290 | 290  | 130 | 285 | 60   | 62   |
| 200 | -   | 500               | -   | 390  | 190 | 340 | -    | 108  |
| 250 | -   | 600               | -   | 390  | 190 | 405 | -    | 139  |
| 300 | -   | 700               | -   | 550  | 260 | 460 | -    | 247  |

### Mating dimensions – Standards

RSK face-to-face length: EN 558-1 R1  
 RSKS face-to-face length: EN 558-1 R48  
 Flange connection: DIN EN 1092-2  
 Flange facing: DIN EN 1092-2 type B

Vertical installation is only permitted if the fluid does not contain any solids.

If the valve is installed in vertical position, flow must be upwards.

The flow direction must correspond to the arrow indicated on the valve body.

### Installation instructions

Swing check valves can be installed horizontally and vertically.

<sup>5)</sup> PN10 only

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|-----|----------------------------|-----|-----------------------------|
| 25  | 16,0                       | 25  | 16,0                        |
| 40  | 40,0                       | 40  | -                           |
| 50  | 63,0                       | 50  | 63,0                        |
| 65  | -                          | 65  | 97,0                        |
| 80  | 160,0                      | 80  | 160,0                       |
| 100 | 230,0                      | 100 | 230,0                       |
| 125 | 391,0                      | 125 | 391,0                       |
| 150 | 532,0                      | 150 | 532,0                       |
| 200 | -                          | 200 | 1002,0                      |
| 250 | -                          | 250 | 1384,0                      |
| 300 | -                          | 300 | 2254,0                      |

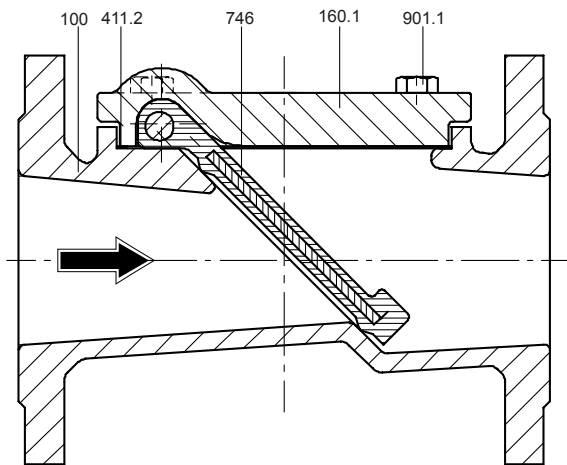
### Pressure/temperature ratings

Permissible operating pressures in bar at temperatures of °C (to EN 1092-2/EN 1092-1)

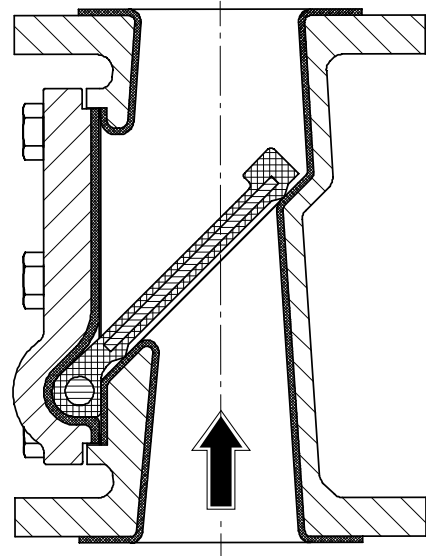
| Nominal pressure | Material | DN     | -20 to +100 | +120 | +140 |
|------------------|----------|--------|-------------|------|------|
| 16               | 5.3103   | 25-300 | 16          | 12   | 8    |

<sup>2)</sup> In compliance with KTW recommendations for the use of elastomers in drinking water issued by the German Federal Office of Health.

**Materials**



Horizontal installation position  
(Shown: variant without lining)



Vertical installation position <sup>3)</sup>  
(Shown: variant with lining)

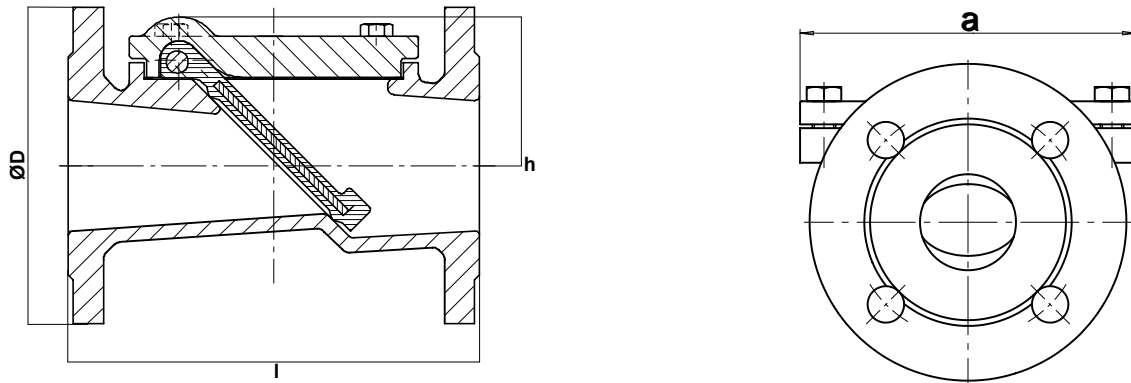
**Parts list**

| Part No.            | Description       | Material             | Material number | Note     |
|---------------------|-------------------|----------------------|-----------------|----------|
| 100                 | Body              | EN-GJS-400-18-LT/NRH | 5.3103          | Standard |
| 160.1               | Cover             | EN-GJS-400-18-LT/NRH | 5.3103          | Standard |
| 411.2 <sup>4)</sup> | Joint ring        | EPDM                 |                 |          |
| 746 <sup>4)</sup>   | Valve disc        | S355/IIR             |                 | Standard |
| 901.1               | Hexagon head bolt | A2-70                |                 |          |

<sup>3)</sup> Vertical installation is only permitted if the fluid does not contain any solids.

<sup>4)</sup> Recommended spare parts

## Dimensions



Dimensions in mm

| DN  | l   |                   | a   |      | h   | ØD  | [kg] |      |
|-----|-----|-------------------|-----|------|-----|-----|------|------|
|     | RSK | RSKS              | RSK | RSKS |     |     | RSK  | RSKS |
| 25  | 160 | -                 | 84  | 84   | 43  | 115 | 4    | 4    |
| 40  | 200 | 180 <sup>5)</sup> | 164 | 164  | 78  | 150 | 11   | 11   |
| 50  | 230 | 200               | 175 | 164  | 78  | 165 | 11   | 12   |
| 65  | -   | 240               | -   | 164  | 78  | 185 | -    | 15   |
| 80  | 310 | 260               | 224 | 232  | 100 | 200 | 25   | 28   |
| 100 | 350 | 300               | 224 | 232  | 100 | 220 | 31   | 33   |
| 125 | 400 | 350               | 290 | 290  | 130 | 250 | 50   | 48   |
| 150 | 480 | 400               | 290 | 290  | 130 | 285 | 60   | 62   |
| 200 | -   | 500               | -   | 390  | 190 | 340 | -    | 108  |
| 250 | -   | 600               | -   | 390  | 190 | 405 | -    | 139  |
| 300 | -   | 700               | -   | 550  | 260 | 460 | -    | 247  |

### Mating dimensions – Standards

|                           |                      |
|---------------------------|----------------------|
| RSK face-to-face length:  | EN 558-1 R1          |
| RSKS face-to-face length: | EN 558-1 R48         |
| Flange connection:        | DIN EN 1092-2        |
| Flange facing:            | DIN EN 1092-2 type B |

Vertical installation is only permitted if the fluid does not contain any solids.

If the valve is installed in vertical position, flow must be upwards.

The flow direction must correspond to the arrow indicated on the valve body.

### Installation instructions

Swing check valves can be installed horizontally and vertically.

<sup>5)</sup> PN10 only

## LIFT & SWING CHECK VALVE Flanged, socket welded and Butt-Welded



**Class 150**  
**NPS 1/2" to 18"**

### Applications

- LNG process / All liquefied gases

### Working conditions

- Temperature : from -196°C to +100°C
- Rating : ASME B16.34

### Materials

- Casting ASTM A351 CF8 , ASTM A31 CF8M  
ASTM A351 CF3M

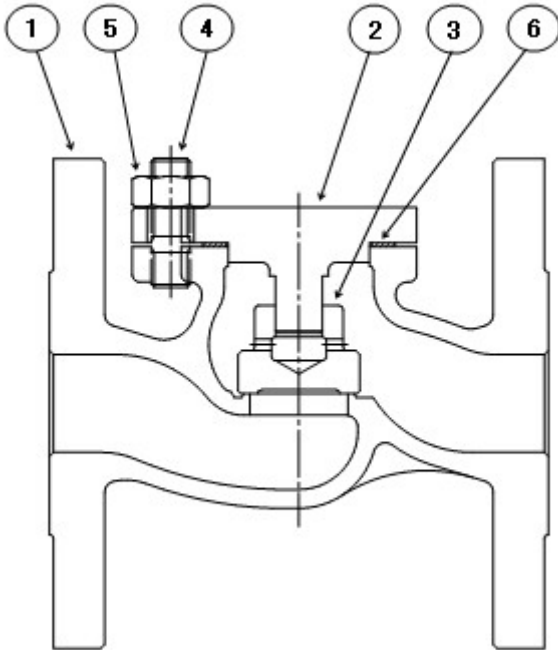
### Design

- Bolted cover
- Flanged , socked welding , or butt welding connection
- Rating : ASME B16.34
- End to end dimension per ASME B16.10 for flanged and butt-welded valves
- Dash pot
- Dimension per ASME B16.25 for butt-welded ends
- Gasket :Pure Graphite or SS+ Graphite
- Type approval by LR/ABS/BV/DNV
- End to end dimension manufacture standard for socket welding valves
- Other variants

### Variant on request

### On all inquiries / orders please specify

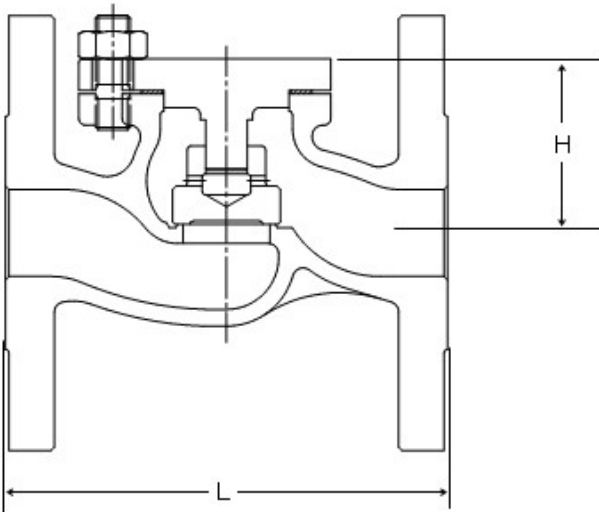
- 1 Valve type
- 2 Pressure class
- 3 Size
- 4 Design pressure
- 5 Design temperature
- 6 Differential pressure-shut off
- 7 Flow media
- 8 Material of construction
- 9 Trim material
- 10 Type of end connection
- 11 Pipe schedule(for butt-weld )
- 12 Operation Method
- 13 Variants
- 14 Valve data sheet if applicable

**LIFT Check Valve - Class 150 – NPS 1/2” to 2”**
**Materials**


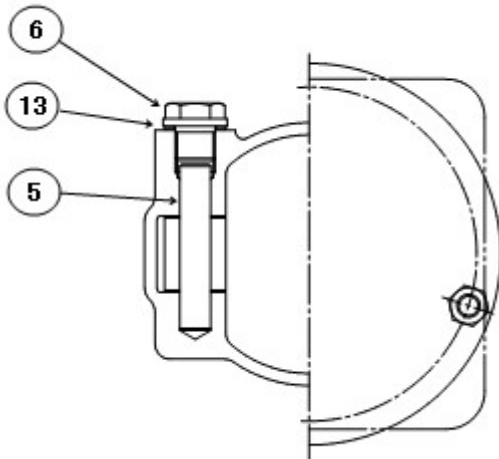
| Part No. | Part Name      | Material                  |
|----------|----------------|---------------------------|
| 1        | BODY           | SCS 14A<br>ASTM A351 CF8M |
| 2        | COVER          | SCS 14A<br>ASTM A351 CF8M |
| 3        | DISC           | SUS 316<br>316 SS         |
| 4        | COVER BOLT     | SUS 316<br>ASTM A193-B8   |
| 5        | COVER BOLT NUT | SUS 316<br>ASTM A194-8    |
| 6        | GASKET         | GRAPHITE                  |

**Design Specifications**

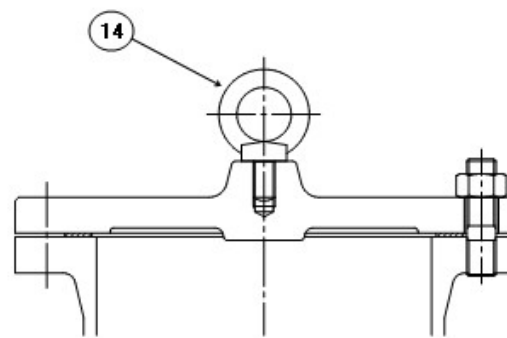
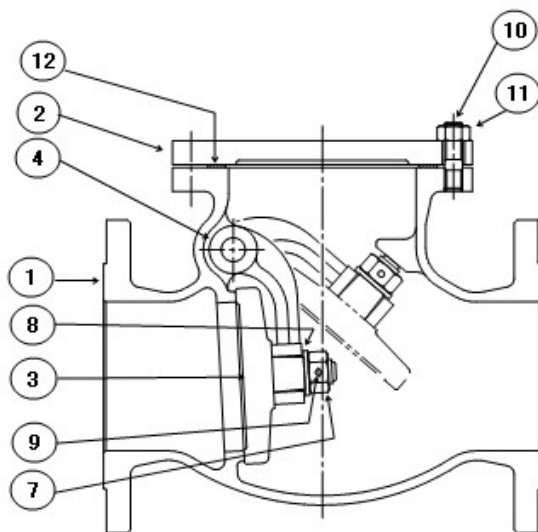
Pressure/Temperature Rating: ASME B16.34  
 Flange Dimensions(NPS 1/2" to 2"): ASME B16.5  
 Butt weld Ends : ASME B16.25  
 End-to End: ASME B16.10


**Dimensions**

| CLASS 150 |      | 1/2" | 3/4" | 1"  | 1"1/4 | 1"1/2 | 2"  |
|-----------|------|------|------|-----|-------|-------|-----|
| L         | inch | 4    | 5    | 5   | 6     | 6     | 8   |
|           | mm   | 108  | 117  | 127 | 140   | 165   | 203 |
| H         | inch | 2    | 2    | 2.5 | 3     | 3     | 3.5 |
|           | mm   | 52   | 58   | 62  | 71    | 75    | 90  |

**SWING Check Valve - Class 150 – NPS 1”½ to 18”**

**Materials**

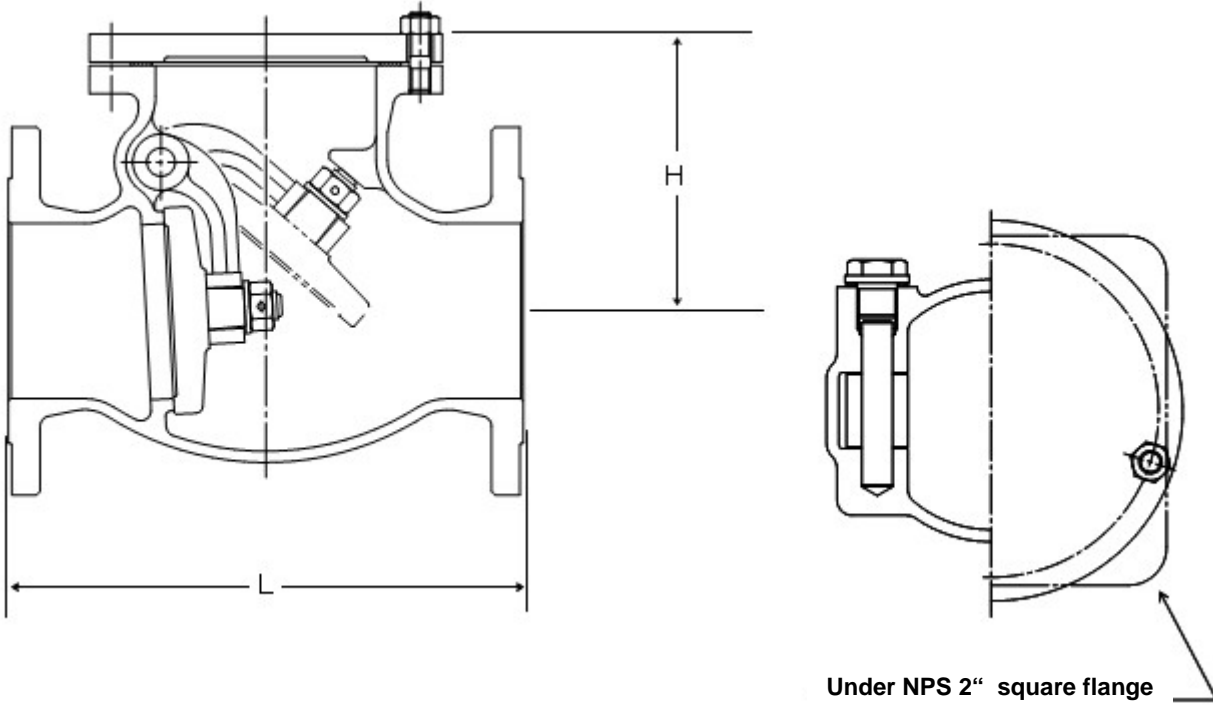
| Part No. | Part Name      | Material                  |
|----------|----------------|---------------------------|
| 1        | BODY           | SCS 14A<br>ASTM A351 CF8M |
| 2        | COVER          | SCS 14A<br>CF-8M          |
| 3        | DISC           | SCS 13A<br>ASTM A351 CF8  |
| 4        | ARM            | SCS 13A<br>ASTM A351 CF8  |
| 5        | HINGE PIN      | SUS 316<br>316 SS         |
| 6        | PLUG           | SUS 316<br>316 SS         |
| 7        | NUT            | SUS 316<br>ASTM A194-8M   |
| 8        | WASHER         | SUS 316<br>316 SS         |
| 9        | SPLIT PIN      | SUS 316<br>316 SS         |
| 10       | COVER BOLT     | SUS 316<br>ASTM A193-B8   |
| 11       | COVER BOLT NUT | SUS 304<br>ASTM A194-8    |
| 12       | GASKET         | GRAPHITE +<br>SUS316      |
| 13       | GASKET         | COPPER                    |
| 14       | EYEBOLT        | SUS304<br>STAINLESS STEEL |



Only over NPS 4"

**SWING Check Valve - Class 150 – NPS 1”½ to 18”**
**Design Specifications**

Pressure/Temperature Rating: ASME B16.34  
 Flange Dimensions(NPS 1” 1/2 to 12”): ASME B16.5  
 Butt-weld Ends : ASME B16.25  
 End-to-End: ASME B16.10


**Dimensions**

| CLASS 150 |      | 1"  | 1"½ | 2"  | 2"½ | 3"  | 4"  |
|-----------|------|-----|-----|-----|-----|-----|-----|
| L         | inch | 5   | 6   | 8   | 9   | 9   | 11  |
|           | mm   | 127 | 165 | 203 | 216 | 241 | 292 |
| H         | inch | 3   | 4   | 4.5 | 5   | 6   | 6.5 |
|           | mm   | 77  | 95  | 113 | 132 | 145 | 160 |

| CLASS 150 |      | 5"  | 6"  | 8"  | 10"  | 12"  | 14"  | 16" | 18" |
|-----------|------|-----|-----|-----|------|------|------|-----|-----|
| L         | inch | 13  | 14  | 19  | 24   | 27   | 31.5 | 37  | 39  |
|           | mm   | 330 | 356 | 495 | 622  | 698  | 787  | 914 | 978 |
| H         | inch | 7.5 | 8.5 | 10  | 12.5 | 14.5 | 17   | 20  | 22  |
|           | mm   | 191 | 215 | 255 | 310  | 365  | 427  | 488 | 547 |

**Product Code**
**- WADA Cryogenic Swing Check Valve Class 150**

|     |     |      |    |    |    |    |     |
|-----|-----|------|----|----|----|----|-----|
| WSC | 150 | DN15 | RF | b1 | c1 | d1 | t21 |
| ①   | ②   | ③    | ④  | ⑤  | ⑥  | ⑦  | ⑧   |

- |  |  |
|--|--|
| <p>① Valve designation<br/>WSC : WADA Swing Check Valve</p> <p>② Pressure Class<br/>150 : ASME B16.34 #150</p> <p>③ Nominal Diameter<br/>DN25/50/65/80/100/125/150/200/250/300/350/400/450</p> <p>④ Connection<br/>RF : Flanged<br/>BW : Butt Welding</p> <p>⑤ Body Material<br/>b1 : ASTM A351 CF8M (RF)<br/>b2 : ASTM A351 CF3M (BW)</p> | <p>⑥ Bonnet Material<br/>c1 : ASTM A351 CF8<br/>for DN100/125/150/200/250/300/350/400/450<br/>c2 : 316SS for DN25/50/65/80</p> <p>⑦ Disc Material<br/>d1 : ASTM A351 CF8M</p> <p>⑧ Seat Material<br/>t21 : Stellite 21</p> |
|--|--|

**- WADA Cryogenic Lift Check Valve Class 150**

|     |     |      |    |    |    |    |    |
|-----|-----|------|----|----|----|----|----|
| WLC | 150 | DN15 | RF | b1 | c1 | d1 | t6 |
| ①   | ②   | ③    | ④  | ⑤  | ⑥  | ⑦  | ⑧  |

- |  |  |
|--|--|
| <p>① Valve designation<br/>WSC : WADA Swing Check Valve</p> <p>② Pressure Class<br/>150 : ASME B16.34 #150</p> <p>③ Nominal Diameter<br/>DN15/20/25/32/40/50</p> <p>④ Connection<br/>RF : Flanged<br/>BW : Butt Welding<br/>SW : Socket Welding (DN15/20/25)</p> <p>⑤ Body Material<br/>b1 : ASTM A351 CF8M (RF)<br/>b2 : ASTM A351 CF3M (BW/SW)</p> | <p>⑥ Bonnet Material<br/>c2 : 316SS</p> <p>⑦ Disc Material<br/>d2 : 316SS</p> <p>⑧ Seat Material<br/>T6 : Stellite 6</p> |
|--|--|



Lift Check Valve

## BOA-RPL/RPL F-F

PN 10/16  
DN 25-400  
Flanged or Threaded Ends

### Type Series Booklet



## Check Valves and Strainers

### Lift Check Valves

## BOA-RPL/RPL F-F



### Main applications

- Irrigation systems
- Domestic water supply
- Sewage treatment plants
- Air-conditioning systems
- Cooling circuits
- Water treatment
- Water supply systems
- Food and beverages industry

### Fluids handled

- Cooling water
- Drinking water
- River, lake and groundwater
- Service water
- Waste water

### Operating data

Operating properties

| Characteristic               | Value   |
|------------------------------|---|
| Nominal pressure             | PN 10/16                                      |
| Nominal size                 | DN 25-400                                     |
| Max. permissible pressure    | 16 bar (DN 25 - 200)<br>10 bar (DN 250 - 400) |
| Max. permissible temperature | 70 °C   |

Selection as per pressure/temperature ratings (⇒ Page 4)

### Body materials

Overview of available materials

| Material      | Material number | Temperature limit |
|---------------|-----------------|-------------------|
| BOA-RPL F-F   |                 |                   |
| EN-GJL-250    | EN-JL1040       | +70 °C            |
| BOA-RPL       |                 |                   |
| EN-GJS-400-15 | EN-JS1030       | +70 °C            |

### Design details

#### Design

- Ball check valve to EN 1074-3
- Tested to EN 12266-1
- BOA-RPL made of nodular cast iron
- BOA-RPL F-F with threaded ends to ISO 7/1
- Bolted cover
- Drain plug
- Unblocking device
- Valve certified for drinking water applications to D.M. 174/2004
- DN 50 to DN 150: PN 10/16 flanges
- DN 200: PN 16 flanges
- DN 250 to DN 400: PN 10 flanges
- Suitable for horizontal and vertical installation

#### Variants

- Other material variants
- Larger nominal sizes

#### Product benefits

- Valve easy to inspect and drain via standard drain plug.
- Unblocking device as standard, no special tools required for unblocking the ball.
- Approved for drinking water applications due to epoxy coating

#### Related documents

- Operating manual V 979011/1.10

#### On all enquiries / orders please specify

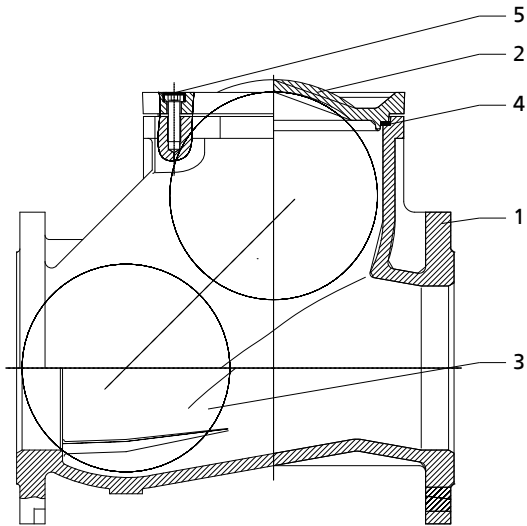
1. Type
2. Nominal pressure
3. Nominal size
4. Variants
5. Number of type series booklet

### Pressure/temperature ratings

Permissible operating pressures in bar at temperatures in °C

| Nominal pressure | Nominal size | Permissible operating pressures <sup>1)</sup> |
|------------------|--------------|---|
| PN               | DN           | Up to +70 °C                                  |
| 10               | 50-400       | 10,0  |
| 16               | 25-200       | 16,0  |

### Materials



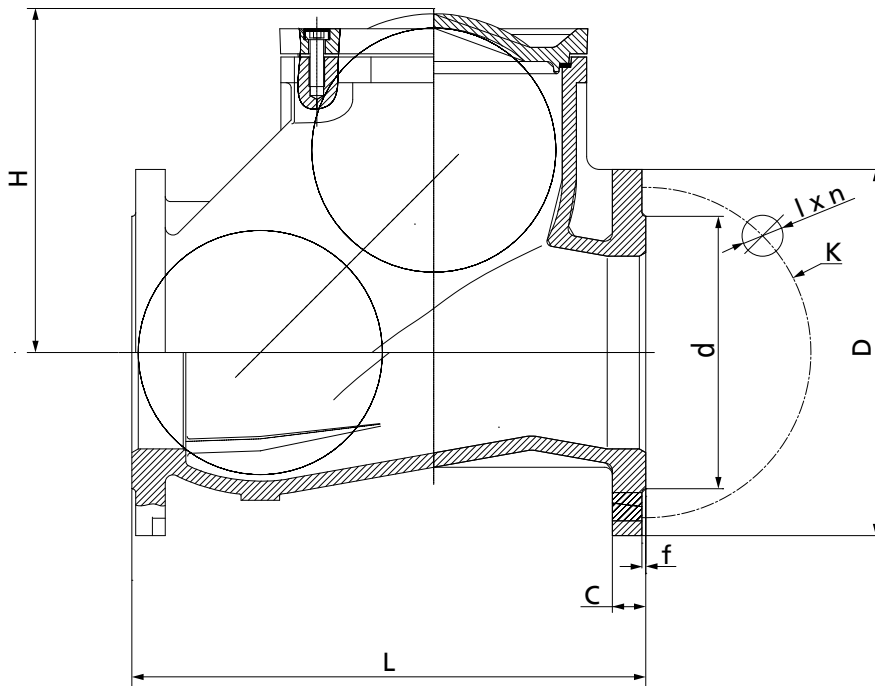
#### Overview of available materials

| Part No. | Description  | Material         | Material number | Note         |
|----------|--------------|------------------|-----------------|--------------|
| 1        | Body         | EN-GJL-250       | EN-JL1040       | Epoxy-coated |
|          |              | EN-GJS-400-15    | EN-JS1030       | Epoxy-coated |
| 2        | Cover        | EN-GJL-250       | EN-JL1040       |              |
|          |              | EN-GJS-400-15    | EN-JS1030       |              |
| 3        | Ball         | Aluminium        |                 | NBR-coated   |
| 4        | Cover gasket | NBR              |                 |              |
| 5        | Screw        | Galvanised steel | Fe/Zn5          |              |

<sup>1)</sup> Static load

Dimensions

Dimensions of BOA-RPL



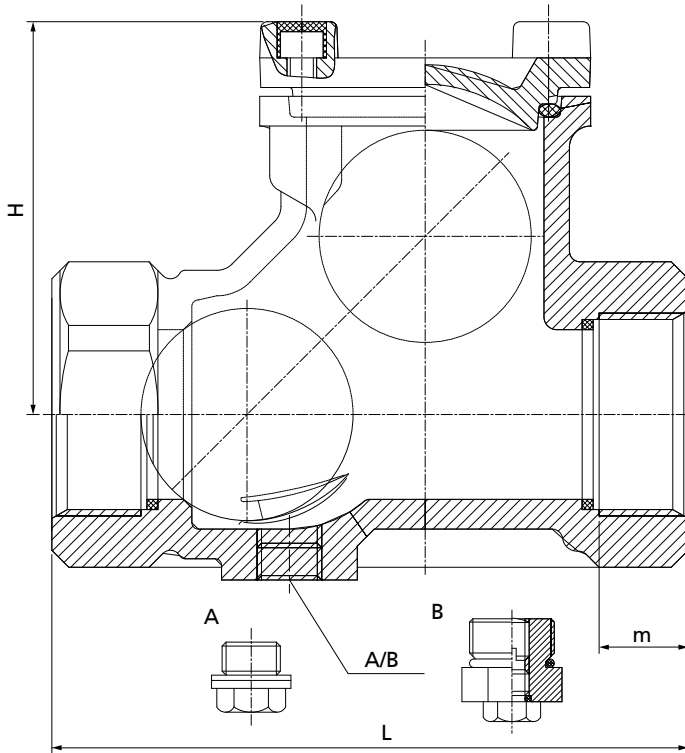
Dimensions in mm

| PN    | DN  | L   | H   | d   | D   | K   | l  | n  | C  | f | [kg]  |
|-------|-----|-----|-----|-----|-----|-----|----|----|----|---|-------|
| 10/16 | 50  | 200 | 113 | 102 | 165 | 125 | 18 | 4  | 20 | 3 | 8,3   |
|       | 65  | 240 | 126 | 122 | 185 | 145 | 18 | 4  | 20 | 3 | 12,3  |
|       | 80  | 260 | 162 | 138 | 200 | 160 | 18 | 8  | 22 | 3 | 16,8  |
|       | 100 | 300 | 194 | 158 | 220 | 180 | 18 | 8  | 24 | 3 | 23,1  |
|       | 125 | 350 | 214 | 188 | 250 | 210 | 18 | 8  | 22 | 3 | 37,2  |
|       | 150 | 400 | 260 | 212 | 285 | 240 | 22 | 8  | 26 | 3 | 53,1  |
| 16    | 200 | 500 | 320 | 268 | 340 | 295 | 22 | 12 | 22 | 3 | 98,8  |
| 10    | 250 | 600 | 365 | 320 | 405 | 350 | 22 | 12 | 30 | 3 | 135,7 |
|       | 300 | 700 | 427 | 378 | 460 | 400 | 22 | 12 | 30 | 4 | 220,0 |
|       | 350 | 800 | 427 | 429 | 520 | 460 | 23 | 16 | 32 | 4 | 260   |
|       | 400 | 900 | 537 | 480 | 580 | 515 | 28 | 16 | 32 | 4 | 410   |

Mating dimensions - Standards

Face-to-face EN 558-1/48  
lengths:  
Flanges: DIN EN 1092-2

Dimensions of BOA-RPL F-F



Dimensions in mm

| PN | DN | L   | m  | H   | [kg] |
|----|----|-----|----|-----|------|
| 16 | 25 | 120 | 18 | 75  | 1,8  |
|    | 32 | 140 | 18 | 75  | 2,3  |
|    | 40 | 150 | 20 | 89  | 3,1  |
|    | 50 | 220 | 35 | 113 | 4,6  |

**Mating dimensions - Standards**

Face-to-face lengths: see table  
Threaded ends: ISO 7/1

**Notes on installation**

Suitable for horizontal and vertical installation

**По вопросам продаж и поддержки обращайтесь:**

|                             |                                 |                                |
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| Архангельск (8182)63-90-72  | Краснодар (861)203-40-90        | Санкт-Петербург (812)309-46-40 |
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| Киров (8332)68-02-04        | Рязань (4912)46-61-64           | Ярославль (4852)69-52-93       |
|                             | Самара (846)206-03-16           |                                |

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