# With Good Reason

# Berluto Float Valves



Made in Germany



Berluto® Armaturen-Gesellschaft mbH Rhineland Valve Factory



# **Design Types**

#### Why Berluto?

The requirements to float valves are most different and individual. A certain feature which is crucial for your special application might be of minor importance for other users. Our brochure shows all float valve series listing the technical key features. This prospectus just provides a first overview and will be helpful to find the most appropriate valve type for your purposes.

It may nevertheless be necessary to obtain more detailed information. In that case we look forward to receiving your e-mail or you just give us a call we will gladly answer all your questions and provide personal advice.

You will see: there are many good reasons for a float valve from Berluto

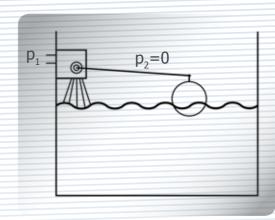
#### Just standard or also customized special versions?

We offer a wide range of standard valves adapted for a variety of applications and in recent years we extended our range in line with our customers' individual requirements. In our high-tech production plant we manufacture standard valves in large quantities as well as small series or even single items. To date, we worked out and realized a large number of specific solutions for our customers.

Please contact us if you will not find the appropriate valve in this brochure – we will always find a solution for you!

#### The various design types

In recent years the requirements to float valves have become more and more specific and customers' demands have changed. Berluto designed a variety of design types with characteristic attributes described below.



#### open design

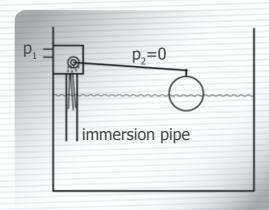
In an open designed float valve the media enters directly into the tank without a particular guidance. No backwater arises and, compared to a closed designed type, these valves achieve a high flow rate. This design type complies with the directives for system separators cat. AA (DIN EN 1717) and is thus ideally suited for the use with drinking water. Type RSV O is DVGW-certified. Please note that, due to the free outlet, the media surface is less smooth than in a closed designed valve.

#### Berluto Float Valves

Ultra-solid and reliable float valves laid the base for our current wide-ranging valve program: in 1917, the plumber Jean Bergner got the German patent for his groundbreaking invention of an innovative lever transmitted float valve; thereupon, in 1920, he established the company Berluto. Initially designed for the use as toilet flushing, today our float valves are in use in a countless number of applications in the industry and agriculture. And to date, more than 90 years later, our technology is still unmatched and is even used in the air craft industry.

Our float valves regulate inflow and level without any auxiliary power or sensitive sensors, along the lines: install it and that's it! No matter what kind of media should be used or which flow rate is required - in our range you will always find the adequate float valve.

Over the years Berluto designed numerous valve types with different control and level regulation systems for various applications. On the following pages we explain the different construction types in order to ease your search for the right valve. Moreover, on page 5 you will find an overview table listing all series and types.

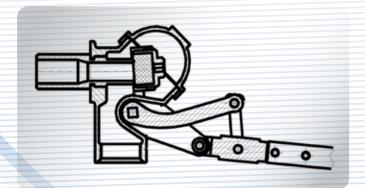


#### closed design

If requested, an immersion tube can be connected to all closed designed types. The guided inflow of the media ensures a smooth media surface. However, it must be noted that closed designed vales are not absolutely pressure-tight and are therefore exclusively adapted for the use in pressureless tanks.

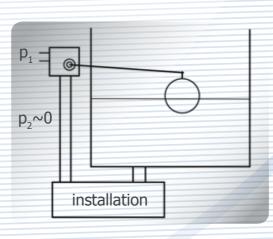
Provided that no immersion tube will be attached, also this valve type complies with the directives for system separators cat. AA (DIN EN 1717).

For tank extensions or pipeline systems we recommend our pressure-tight valve types.



#### Berluto Lever Construction

The special lever transmission construction of all Berluto float valves has been in use for more than 90 years and is unrivalled by this day. With this lever transmission the valve needs less buoyancy force and with a factor of 2.8 it is clearly below the values of float valves without lever transmission. For this reason, our float valves get along with relative short float arms and small floats – a real advantage in todays' installations with often tight space. And in addition, the robust lever construction is more rigid against lateral swinging.



#### pressure-tight design

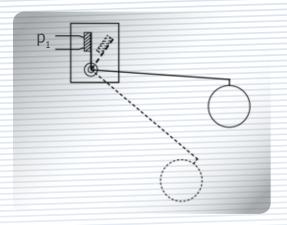
This type is specially designed for tank extensions or pipeline systems. The valves are absolutely pressure-tight up to 10 bar respectively 12 bar. Even with counter-pressure on the outlet side the functioning is guaranteed. These valves are suited for applications with air and gas as well as for all kinds of tank extensions.

Provided that no immersion tube will be attached and that the valve is placed inside the tank, also this valve type complies with the directives for system separators cat. AA (DIN EN 1717).

### Type overview

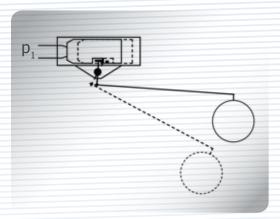
#### The different methods of control

Berluto float valves are working with two different control types: either with a control flap or with a piston control. Just as the lever transmission construction this control flap is a proprietary Berluto construction.



#### Control flap

With an increasing media level the control flap turns towards the valve seat, with decreasing level it shifts back and the media flows in. This type of control is always recommended for media containing dirt particles. The flap is extremely soil resistant and the seal is constantly flushed. With this type of control no dirt can accumulate which might cause a malfunction of the valve. All our valves of series SV, RSV and ESV are equipped with this control flap.

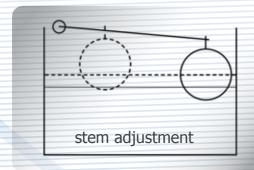


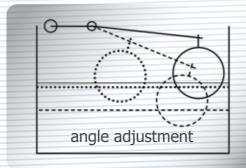
#### Piston control

The piston control is a favourable alternative to the control flap. With increasing media level the piston moves axially towards the valve seat and with decreasing level it moves back. This kind of control requires little maintenance. The complete piston can be removed for inspection by dismantling one bolt.

#### Level regulation of Berluto float valves

Today the regulation of the media level is all the more important since it is indispensable for many applications to adjust a certain level very precisely. Our valves offer two different kinds of regulation: with all types the float is mounted moveable on the stem. (see fig. on the left). The stem is slightly angled and is thus influencing the media level. Moreover, all types of series KSV and ESV are equipped with an additional option: an angle adjustment of the float stem (see fig. on the right) which is specially suited for a very precise level regulation.





| type    | max.<br>working<br>pressure | kvs-value    | nominal size | material           | connection | seal | lever-<br>age | design         | method of control | angle<br>adjust-<br>ment |
|---------|-----------------------------|--------------|--------------|--------------------|------------|------|---------------|----------------|-------------------|--------------------------|
| SV 94   | 6 bar                       | 0.2-0.3 m³/h | DN10-DN15    | brass              | thread     | NBR  |               | closed         | control<br>flap   |                          |
| SV 26   | 12 bar                      | 0.3-0.4 m³/h | DN10-DN15    | brass              | thread     | NBR  |               | closed         | control<br>flap   |                          |
| SV 45   | 10 bar                      | 0.2-0.4 m³/h | DN10-DN20    | stainless<br>steel | thread     | FKM  |               | pressure tight | control<br>flap   |                          |
| KSV 10  | 12 bar                      | 2.0-5.5 m³/h | DN15-DN25    | red<br>bronze      | thread     | FKM  |               | closed         | control<br>piston | yes                      |
| KSV 80  | 12 bar                      | 2.6-6.7 m³/h | DN10-DN25    | stainless<br>steel | thread     | FKM  |               | closed         | control<br>piston | yes                      |
| RSV G   | 12 bar                      | 1.9-48 m³/h  | DN10-DN80    | brass              | thread     | NBR  | yes           | closed         | control<br>flap   |                          |
| RSV O   | 12 bar                      | 1.2-72 m³/h  | DN10-DN80    | brass              | thread     | NBR  | yes           | open           | control<br>flap   |                          |
| RSV VA  | 8 bar                       | 2.1-48 m³/h  | DN15-DN65    | stainless<br>steel | thread     | FKM  | yes           | open           | control<br>flap   |                          |
| ESV G/G | 12 bar                      | 3.7-60 m³/h  | DN15-DN80    | stainless<br>steel | thread     | FKM  | yes           | pressure tight | control<br>flap   | yes                      |
| ESV F/G | 12 bar                      | 14-60 m³/h   | DN40-DN80    | stainless<br>steel | flange     | FKM  | yes           | pressure tight | control<br>flap   | yes                      |
| ESV F/F | 12 bar                      | 14-60 m³/h   | DN40-DN80    | stainless<br>steel | flange     | FKM  | yes           | pressure tight | control<br>flap   | yes                      |



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# Float valves for small storage tanks Series SV

#### Type overview float valves series SV with external thread according to ISO 7

| SV-type | max. working pressure | material        | seal | max. temperature | design         |
|---------|-----------------------|-----------------|------|------------------|----------------|
| SV 94   | 6 bar                 | brass           | NBR  | 80°C             | closed         |
| SV 26   | 12 bar                | brass           | NBR  | 80°C             | closed         |
| SV 45   | 10 bar                | stainless steel | FKM  | 180°C            | pressure tight |



#### Features

Our series SV offers very compact float valves for small storage tanks and the level regulation, e.g. flushing tanks, poultry drinking troughs, humidifiers, pond constructions, steam generation systems etc.

These types are ideally suited for applications with tight mounting space or with reduced flow rates.

The float is mounted slidable on the stem and the desired media level can be adjusted very precisely.

For this series we offer floats in Hostalen, copper or stainless steel.

Types SV 94 and SV 26 are adapted for water and neutral liquids. Type SV 45, made of stainless steel, can also be used for aggressive liquids and fully desalinated water.

Type SV 26 is also available with twin handle which allows a vertical adjustment and suppresses lateral swinging.

The seal can be inspected and exchanged without dismantling the valve.

Matching floats you will find on page 14.

|   | nominal size | connection | art.no.<br>SV 94<br>plastic cap | art.no.<br>SV 94<br>brass cap | art.no.<br>SV 26 | art.no.<br>SV 26 DB<br>twin handle | art.no.<br>SV 45 |
|---|--------------|------------|---------------------------------|-------------------------------|------------------|------------------------------------|------------------|
| 3 | DN 10        | G 3/8"     | 0007 01                         | 0007 11                       | 0006 01          | 0006 81                            | 0004 51          |
|   | DN 15        | G 1/2"     | 0007 02                         | 0007 12                       | 0006 02          | 0006 92                            | 0004 52          |
|   | DN 20        | 3/4"       | -                               | -                             | -                | -                                  | 0004 53          |

1 max. working pressure up to 6, 10 or 12 bar

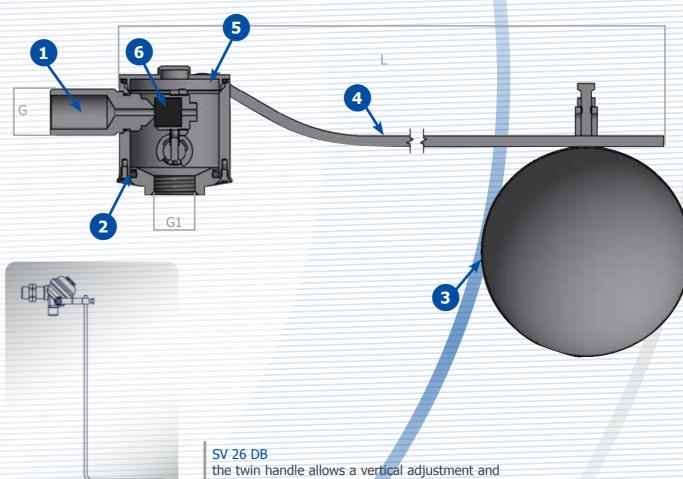
4 float stem can be shortened for installations with tight mounting space

2 pressure-tight version SV 45 suitable for pipeline systems

compact design for small storage tanks

3 various floats available in Hostalen, copper and stainless steel

dirt-resistant control flap adapted for media containing dirt



the twin handle allows a vertical adjustment an suppresses lateral swinging

|  |                 |                      |                      | SV 94   |                 |                      | SV 26   |                 |                      | SV 45   |                 |
|--|-----------------|----------------------|----------------------|---------|-----------------|----------------------|---------|-----------------|----------------------|---------|-----------------|
|  | nominal<br>size | connection<br>G + G1 | kvs-value<br>in m³/h | L in mm | weight<br>in kg | kvs-value<br>in m³/h | L in mm | weight<br>in kg | kvs-value<br>in m³/h | L in mm | weight<br>in kg |
|  | DN 10           | 3/8"                 | 0.2                  | 330     | 0.25            | 0.3                  | 385     | 0.45            | 0.2                  | 398     | 0.5             |
|  | DN 15           | 1/2"                 | 0.3                  | 330     | 0.3             | 0.4                  | 385     | 0.5             | 0.3                  | 398     | 0.5             |
|  | DN 20           | 3/4"                 | -                    | -       | -               | -                    | -       | -               | 0.4                  | 398     | 0.5             |

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# Float valves compact design Series KSV

#### Type overview float valves series KSV with external thread according to ISO 7

| KSV-type | max. working pressure | material        | seal | max. temperature |
|----------|-----------------------|-----------------|------|------------------|
| KSV 10   | 12 bar                | red bronze      | FKM  | 80°C             |
| KSV 80   | 12 bar                | stainless steel | FKM  | 190°C            |



#### Features

Our series KSV provides valves in the middle range whenever SV-valves are too small or RSV/ ESV-valves are too elaborated. All types of this series work with a robust regulating piston.

The valve body of KSV 10 is made of high-grade red bronze, KSV 80 is made of stainless steel. Nozzles and seals are easy to replace, the piston can be removed by unscrewing one single bolt.

Furthermore, KSV-valves are very cost-efficient and their dimensions are compatible with many industrial float valves.

The stem angle is variable and the float is mounted slidable on the stem, so the desired media level can be adjusted absolutely precise.

Matching floats are available in copper, HDPE or stainless steel (V4A).

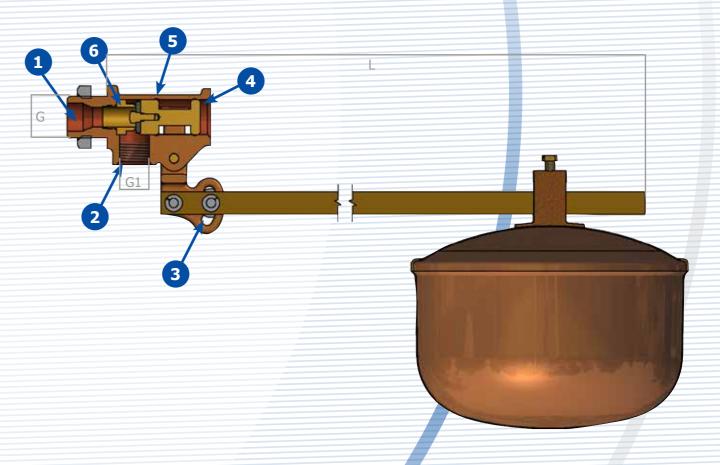
| -1 | max. working pressure up to 12 bar |
|----|------------------------------------|
| _  | maxi working pressure up to 12 but |

2 port for immersion tube for a smooth media surface

yariable angle adjustment the media level can be regulated absolutely precise 4 compact and simple design thus cost-efficient

5 compatible dimensions numerous standard industrial valves can be replaced by KSV-valves

6 exchangeable seals and valve seat without dismantling the valve



|                 | conne | ection |                      | KSV 10  |                 |                      | KSV 80  |                 |  |
|-----------------|-------|--------|----------------------|---------|-----------------|----------------------|---------|-----------------|--|
| nominal<br>size | G     | G1     | kvs-value<br>in m³/h | L in mm | weight<br>in kg | kvs-value<br>in m³/h | L in mm | weight<br>in kg |  |
| DN 10           | 3/8"  | 3/8"   | -                    | -       | -               | 2.6                  | 607     | 0.76            |  |
| DN 15           | 1/2"  | 3/8"   | 2.3                  | 604     | 0.83            | 2.7                  | 607     | 0.80            |  |
| DN 20           | 3/4"  | 1/2"   | 3.5                  | 604     | 0.84            | 4.3                  | 609     | 0.82            |  |
| DN 25           | 1"    | 3/4"   | 6.0                  | 723     | 1.25            | 6.7                  | 728     | 1.29            |  |

| Size  |        | NOV 10  | NOV OU  |
|-------|--------|---------|---------|
| DN 10 | G 3/8" | -       | 0075 01 |
| DN 15 | G 1/2" | 0107 02 | 0075 02 |
| DN 20 | G 3/4" | 0107 03 | 0075 03 |
| DN 25 | G 1"   | 0107 04 | 0075 04 |

art.no.

Matching floats you will find on page 14.

## Float valves for large storage tanks Series RSV

#### Type overview float valves series RSV with external thread according to ISO 7

| RSV-type | max. working pressure | material        | seal | max. temperature | design | approval |
|----------|-----------------------|-----------------|------|------------------|--------|----------|
| RSV O    | 12 bar                | brass           | NBR  | 80°C             | open   | DVGW     |
| RSV G    | 12 bar                | brass           | NBR  | 80°C             | closed | KIWA     |
| RSV VA   | 8 bar                 | stainless steel | FKM  | 190°C            | open   | -        |



art.no.

RSV<sub>O</sub>

0004 01

0004 02

0004 03

0004 04

0004 05

0004 06

0004 07

0004 08

0004 09

connection

G 3/8"

G 1/2"

G 3/4"

G 1"

G 1 1/4"

G 1 1/2"

G 2"

G 2 1/2"

G 3"

art.no.

**RSV G** 

0005 01

0005 02

0005 03

0005 04

0005 05

0005 06

0005 07

0005 08

0005 09

art.no.

**RSV VA** 

0003 02

0003 03

0003 04

0003 05

0003 06

0003 07

0003 08

nominal

size DN 10

DN 15

DN 20

**DN 25** 

DN 32

DN 40

DN 50

DN 65

**DN 80** 

#### **Features**

Float valves of our series RSV are always used when extremely robust valves for elevated supply pressures and/or high flow rates are requi-

Series RSV O and RSV G are specially suited for drinking water. All models comply with the rigid European Drinking Water Regulation and DIN 1717 and are DVGW- and KIWA-certified. For this reason, both series are ideally suited for all applications which require a connection to the drinking water system (e.g. pressure boosters, fire protection systems etc.).

Due to the specific lever transmission these valves get along with relative short stems. The seal can be inspected and exchanged without dismantling the valve. All valves are entirely made of brass or stainless steel (RSV VA). Matching floats are available either made of copper or stainless steel (V4A).

Matching floats you will find on page 14.

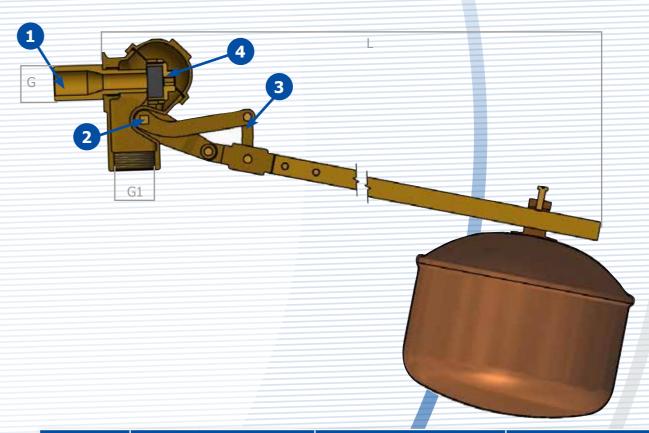
1 max. working pressure up to 12 bar

2 robust design with twin axial guidance preventing lateral swinging

elaborated lever construction

therefore compact installation dimensions and a construction which is stable at high pressure/flow rate and resistant to swinging

dirt-resistant control flap suitable for media containing dirt



| connection |        | RSV O  |                      |         | RSV G           |                      |         | RSV VA          |                      |         |              |
|------------|--------|--------|----------------------|---------|-----------------|----------------------|---------|-----------------|----------------------|---------|--------------|
| DN         | G      | G1*    | kvs-value<br>in m³/h | L in mm | weight<br>in kg | kvs-value<br>in m³/h | L in mm | weight<br>in kg | kvs-value<br>in m³/h | L in mm | weight in kg |
| DN 10      | 3/8"   | 3/4"   | 1.2                  | 400     | 8.0             | 1.9                  | 408     | 0.95            | -                    | -       | -            |
| DN 15      | 1/2"   | 3/4"   | 2.1                  | 520     | 1.25            | 2.5                  | 510     | 1.05            | 2.1                  | 520     | 1.2          |
| DN 20      | 3/4"   | 1"     | 3.2                  | 550     | 1.7             | 5.1                  | 560     | 1.55            | 3.2                  | 570     | 1.35         |
| DN 25      | 1"     | 1 1/4" | 9.5                  | 620     | 2.4             | 7.5                  | 630     | 2.5             | 6.5                  | 540     | 1.45         |
| DN 32      | 1 1/4" | 1 1/2" | 15                   | 715     | 3.8             | 13                   | 730     | 3.3             | 13                   | 720     | 2.5          |
| DN 40      | 1 1/2" | 1 3/4" | 23                   | 770     | 4.75            | 18                   | 800     | 4.35            | 20                   | 770     | 2.7          |
| DN 50      | 2"     | 2"     | 36                   | 880     | 6.55            | 25                   | 960     | 7.75            | 30                   | 880     | 4.55         |
| DN 65      | 2 1/2" | 2"     | 72                   | 1050    | 10.65           | 48                   | 985     | 8.3             | 48                   | 950     | 4.9          |
| DN 80      | 3"     | 2"     | 72                   | 1050    | 11.45           | 48                   | 985     | 9.5             | -                    | -       | -            |

\* only for RSV G

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# Pipeline float valves Series ESV

#### Type overview float valves series ESV with external thread according to ISO 7 or flanges according to DIN EN 1092

| ESV-type   | max. working pressure | material        | seal | max. temperature | connection inlet / outlet |
|------------|-----------------------|-----------------|------|------------------|---------------------------|
| ESV 80 G/G | 12 bar                | stainless steel | FKM  | 190°C            | thread / thread           |
| ESV 80 F/G | 12 bar                | stainless steel | FKM  | 190°C            | flange / thread           |
| ESV 80 F/F | 12 bar                | stainless steel | FKM  | 190°C            | flange / flange           |



#### Features

The high performance float valves of series ESV are a further development of our proven series RSV. ESV-valves provide an optimal media resistance due to the exclusive use of stainless steel (V4A); with the pressure-tight sealing of the valve bodies these models are not only suited for tank installations but also for pipeline systems. ESV-valves are extremely robust, durable and the control flap is highly insensitive to dirt. Due to the specific lever transmission these valves get along with relative short stems. The seal can be inspected and exchanged without dismantling the valve.

The valves are available with different connec-

ESV 80 G/G: internal and external thread ESV 80 F/G: internal flange, external thread ESV 80 F/F: internal flange, external flange

All ESV-types are also available with ANSI- or NPT-threads.

| nominal size | connection | art.no.<br>ESV 80 G/G | art.no.<br>ESV 80 F/G | art.no.<br>ESV 80 F/F |
|--------------|------------|-----------------------|-----------------------|-----------------------|
| DN 15        | G 1/2"     | 0070 02               | -                     | -                     |
| DN 20        | G 3(4"     | 0070 03               | -                     | -                     |
| DN 25        | G 1"       | 0070 04               | -                     | -                     |
| DN 32        | G 1 1/4"   | 0070 05               | -                     | -                     |
| DN 40        | G 1 1/2"   | 0070 06 / 0070 16*    | 0071 06 / 0071 16*    | 0072 06 / 0072 16*    |
| DN 50        | G 2"       | 0070 07               | 0071 07               | 0072 07               |
| DN 65        | G 2 1/2"   | 0070 08               | 0071 08               | 0072 08               |
| DN 80        | G 3"       | 0070 09               | 0071 09               | 0072 09               |

Matching floats you will find on page 14.

1 max. working pressure up to 12 bar

2 port for immersion tube for a smooth media surface

#### 3 elaborated lever construction

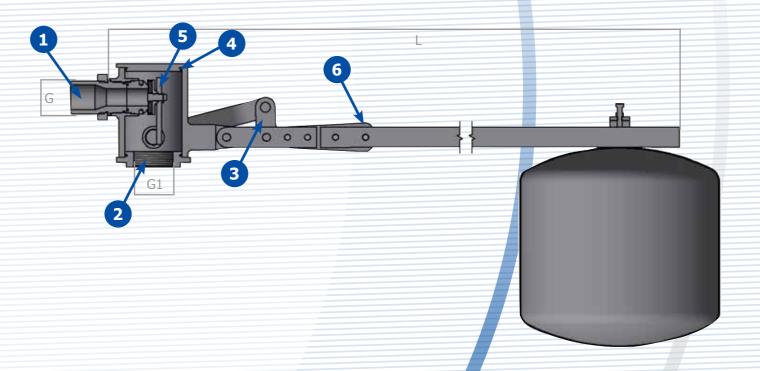
therefore compact installation dimensions and a construction which is stable at high pressures/flow rates and resistant to swinging

4 pressure-tight design suitable for pipeline systems

dirt-resistant control flap suitable for media containing dirt

#### variable angle adjustment

the media level can be regulated absolutely



| con |        | conne  | ection | ESV 80 G/G           |         |                 | ESV 80 F/G           |         |                 | ESV 80 F/F           |         |                 |
|-----|--------|--------|--------|----------------------|---------|-----------------|----------------------|---------|-----------------|----------------------|---------|-----------------|
|     | DN     | G      | G1     | kvs-value<br>in m³/h | L in mm | weight<br>in kg | kvs-value<br>in m³/h | L in mm | weight<br>in kg | kvs-value<br>in m³/h | L in mm | weight<br>in kg |
|     | DN 15  | 1/2"   | 3/4"   | 3.7                  | 657     | 1.8             | -                    | -       | -               | -                    | -       | -               |
|     | DN 20  | 3/4"   | 1"     | 5.7                  | 657     | 1.8             | -                    | -       | -               | -                    | -       | -               |
|     | DN 25  | 1"     | 1 1/4" | 9.5                  | 811     | 3.1             | -                    | -       | -               | -                    | -       | -               |
|     | DN 32  | 1 1/4" | 1 1/2" | 13.6                 | 811     | 3.2             | -                    | -       | -               | -                    | -       | -               |
|     | DN 40* | 1 1/2" | 1 1/2" | 14                   | 829     | 3.4             | 14                   | 818     | 5.4             | 14                   | 818     | 7.9             |
|     | DN 40  | 1 1/2" | 2"     | 20                   | 1048    | 6.9             | 20                   | 1028    | 8.7             | 20                   | 1028    | 11.3            |
|     | DN 50  | 2"     | 2 1/2" | 32                   | 1048    | 6.9             | 32                   | 1028    | 9.2             | 32                   | 1028    | 12.6            |
|     | DN 65  | 2 1/2" | 3"     | 52                   | 1193    | 11.5            | 52                   | 1180    | 13.6            | 52                   | 1180    | 17.5            |
|     | DN 80  | 3"     | 3"     | 60                   | 1193    | 11.5            | 60                   | 1180    | 14.5            | 60                   | 1180    | 18.6            |

\* compact design

#### Floats for series SV94, SV26, SV45



| material | valve size  | art.no. | diameter   |  |
|----------|-------------|---------|------------|--|
| PE       | DN10 / DN15 | 0008 31 | 90 mm      |  |
| CU       | DN10 / DN15 | 00 8000 | 96 x 84 mm |  |
| V4A      | DN10 / DN15 | 0008 41 | 95 mm      |  |

#### HDPE - floats for series KSV



| for valve size<br>up to 6 bar | for valve size<br>up to 8 bar | for valve size<br>up to 12 bar | art.no. | diameter |
|-------------------------------|-------------------------------|--------------------------------|---------|----------|
| DN 15 / DN 20                 |                               |                                | 0008 33 | 150 mm   |
| DN 25                         | DN 15 / DN 20                 |                                | 0008 34 | 180 mm   |
|                               | DN 25                         | DN 15 / DN 20                  | 0008 35 | 220 mm   |
|                               |                               | DN 25                          | 0008 36 | 300 mm   |

#### CU - copper floats for series KSV, RSV



| for valve size<br>up to 6 bar | for valve size<br>up to 8 bar | for valve size<br>up to 12 bar | art.no. | Ø x height<br>in mm |
|-------------------------------|-------------------------------|--------------------------------|---------|---------------------|
| DN 10                         |                               |                                | 0008 01 | 121 x 100           |
| DN 15                         | DN 10                         |                                | 0008 02 | 152 x 116           |
| DN 20                         | DN 15                         | DN 10                          | 0008 03 | 173 x 130           |
| DN 25                         | DN 20                         | DN 15                          | 0008 04 | 205 x 175           |
| DN 32                         | DN 25                         | DN 20                          | 0008 05 | 231 x 200           |
| DN 40                         | DN 32                         | DN 25                          | 0008 06 | 257 x 220           |
| DN 50                         | DN 40                         | DN 32                          | 0008 07 | 308 x 255           |
| DN 65 / DN 80                 | DN 50                         | DN 40                          | 80 8000 | 345 x 285           |
|                               | DN 65 / DN 80                 | DN 50                          | 0008 10 | 400 x 260           |

#### V4A - stainless steel floats for series KSV, RSV, ESV



| for valve size<br>up to 6 bar | for valve size<br>up to 8 bar | for valve size<br>up to 12 bar | art.no. | Ø x height<br>in mm |
|-------------------------------|-------------------------------|--------------------------------|---------|---------------------|
| DN 15                         |                               |                                | 0008 42 | 150 x 149           |
| DN 20                         | DN 15                         |                                | 0008 43 | 180 x 150           |
| DN 25                         | DN 20                         | DN 15                          | 0008 44 | 200 x 200           |
| DN 32                         | DN 25                         | DN 20                          | 0008 45 | 230 x 180           |
| DN 40                         | DN 32                         | DN 25                          | 0008 46 | 245 x 245           |
| DN 50                         | DN 40                         | DN 32                          | 0008 47 | 285 x 285           |
| DN 65 / DN 80                 | DN 50                         | DN 40                          | 0008 48 | 350 x 260           |
|                               | DN 65 / DN 80                 | DN 50                          | 0008 49 | 400 x 260           |

# PATENTURKUNDE PATENTURKUNDE LASSING LASSING

#### Company history

On 31th July 1917, the plumber Jean Bergner got the German patent for the innovative construction of a very robust and reliable float valve.

In 1920, Bergner founded in Düsseldorf, - cooperating with the merchant Ludwig and the plumber Toeller -, the company "Berluto Schwimmerhahngesellschaft Ludwig & Co.". In 1924, the "Berluto Armaturen-Aktiengesellschaft" was established, chaired by August Bender and with numerous regional share-holding plumbers. In 1953, the business was transformed into todays '", Berluto Armaturen-Gesellschaft mbH". By this day, the company is managed in the third generation by descendants of the company founder.



#### Today

This day, Berluto Armaturen GmbH is located in an advanced development and manufacturing site in Toenisvorst, Germany. Computer-aided development processes and CNC-machining centres with CAD/CAM connection ensure a flexible production with high precision and short processing times. This allows a production of large valve series as well as custom-made special valves in the well-known high quality made in Germany by Berluto.



# We would be pleased to welcome you as our new customer

In this brochure you will find just a small selection of our entire product range. For reasons of space we are not able to show all variations and special versions in this prospectus. If you do not find the adequate valve for your application, please do not hesitate to contact us by phone, by email, or by fax. We will do our best to offer the optimal solution for your purposes and we look forward to hear from you soon.

- 14 - Berluto® Armaturen-Gesellschaft mbH - 15 -

# With good reason

#### Our program



Pressure reducers in stainless steel



Pressure reducers in red bronze



Float valves in stainless steel



Float valves in red bronze and brass



Safety valves in red bronze and brass



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