

KSV 10
(DN 15 - DN 25)

KSV 80
(DN 10 - DN 65)



Media

The float valves of the KSV 10 series are suitable for the use of neutral, non-sticky liquids.

The float valve KSV 80 made of stainless steel is suitable for the use of aggressive water and liquids

Float valves
Male thread • compact design
Red bronze and Stainless steel

The KSV series is the "all-rounder" in the medium range if SV valves are too small and RSV valves are too complex. KSV valves work with a robust piston control.

The housing of the KSV 10 is made of high-quality red-bronze, KSV 80 is completely made of stainless steel. Nozzles and seals are easily replaceable on all models. By loosening a single bolt, you can remove and check the complete piston.

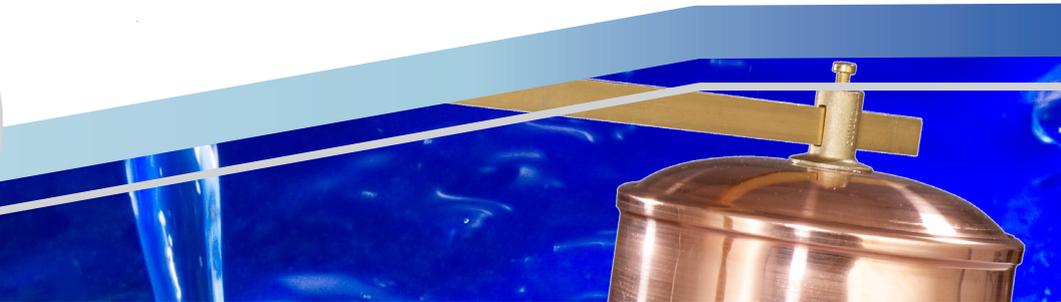
In addition, KSV valves are particularly cost-effective and their dimensions are compatible with a large number of other industrial float valves.

As the angle of the stem is variable and the float on the stem can be moved, the desired liquid level can be set very precisely.

We supply matching floats, optionally made of copper, HDPE or stainless steel (V4A).

Customs tariff number

84818081



Features

- male thread according ISO 228
- max. working pressure 12 bar
- replaceable valve seat
- control piston
- connection for immersion pipe
- variable angle adjustment of the float arm
- compact design
- floats optionally in HDPE, copper or stainless steel
- float arm can be shortened

Working pressure



max. 12 bar

Connections



Male thread
acc. ISO 228
from G 3/8" up to G 2 1/2"



Temperatures

Various options in the area of seals and internal parts in contact with the medium allow a maximum temperature of up to 190°C.



from 0 °C up to +190 °C

Seals and temperatures

FKM 0°C to +190°C*

Materials

| | body | wetted parts | float arm | control piston | seals | max. temperature |
|--------|---------------------------|---------------------------|---------------------------|---------------------------|-------|------------------|
| KSV 10 | red bronze | brass | stainless steel 1.4571 | brass | FKM | 190 °C* |
| KSV 80 | stainless steel 1.4408 | stainless steel 1.4404 | stainless steel 1.4571 | stainless steel 1.4404 | FKM | 190°C* |

* in combination with HDPE- and CU-floats max. 80°C



Technical data

| | | | | | | | | |
|--------------|------|------|------|----|--------|--------|----|--------|
| nominal size | 10 | 15 | 20 | 25 | 32 | 40 | 50 | 65 |
| G | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" |

Pressures

max. 12 bar



max. working pressure [bar]

| | |
|--------|----|
| KSV 10 | 12 |
| KSV 80 | 12 |

Connections

Male thread
from G 3/8" to G 2 1/2"



dimensions [mm]

| | | | | | | | | | |
|--------|----|------|------|------|------|--------|--------|--------|--------|
| KSV 10 | G1 | -- | 3/8" | 1/2" | 3/4" | -- | -- | -- | -- |
| | L | -- | 604 | 604 | 723 | -- | -- | -- | -- |
| | L1 | -- | 20 | 25 | 28 | -- | -- | -- | -- |
| KSV 80 | G1 | 3/8" | 3/8" | 1/2" | 3/4" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" |
| | L | 606 | 607 | 607 | 728 | 805 | 805 | 805 | 815 |
| | L1 | 17 | 20 | 25 | 28 | 39 | 44 | 51 | 56 |

weight [kg]

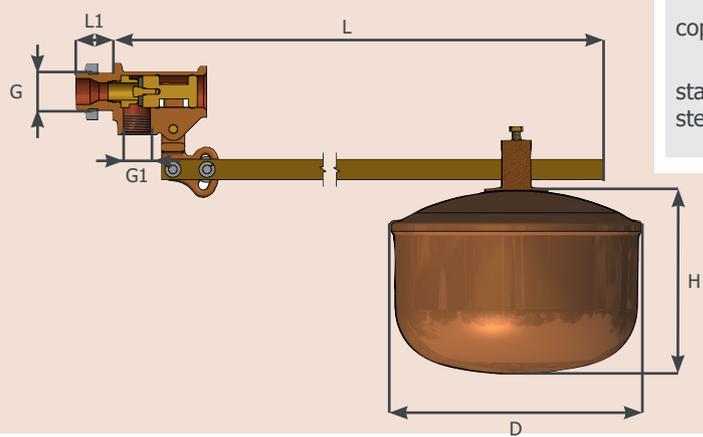
| | | | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| KSV 10 | -- | 0,8 | 0,8 | 1,0 | -- | -- | -- | -- |
| KSV 80 | 0,7 | 0,8 | 0,8 | 1,1 | 3,3 | 3,4 | 3,7 | 5,0 |

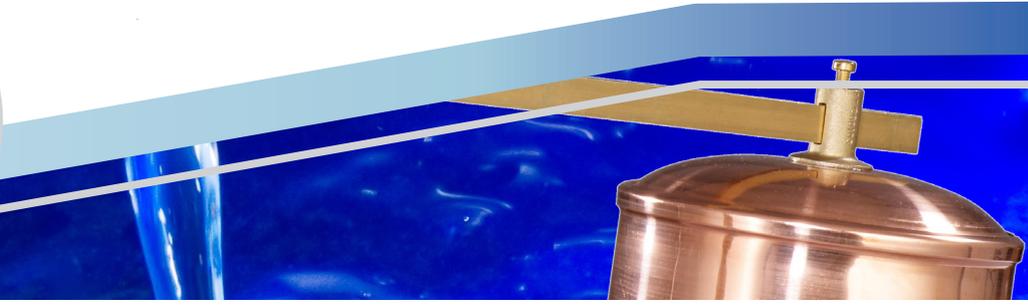
kvs-value [m³/h]

| | | | | | | | | |
|--------|-----|-----|-----|-----|----|----|----|----|
| KSV 10 | -- | 2,7 | 4 | 6,7 | -- | -- | -- | -- |
| KSV 80 | 2,9 | 3 | 4,4 | 7,7 | 14 | 22 | 23 | 24 |

dimensions float [mm]

| | | | | | | | | | |
|-----------------|---|-----|-----|-----|-----|-----|-----|-----|-----|
| HDPE | Ø | 150 | 150 | 150 | 180 | -- | -- | -- | -- |
| copper | D | 153 | 153 | 174 | 209 | -- | -- | -- | -- |
| | H | 116 | 116 | 128 | 172 | -- | -- | -- | -- |
| stainless steel | D | 179 | 179 | 246 | 200 | 240 | 240 | 280 | 305 |
| | H | 90 | 90 | 107 | 200 | 180 | 240 | 280 | 305 |





Article number

| | | | | | | | | |
|--------------|------|------|------|----|--------|--------|----|--------|
| nominal size | 10 | 15 | 20 | 25 | 32 | 40 | 50 | 65 |
| G | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" |

standard version

| | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KSV 10 | -- | 010702 | 010703 | 010704 | -- | -- | -- | -- |
| KSV 80 | 007501 | 007502 | 007503 | 007504 | 007505 | 007506 | 007507 | 007508 |

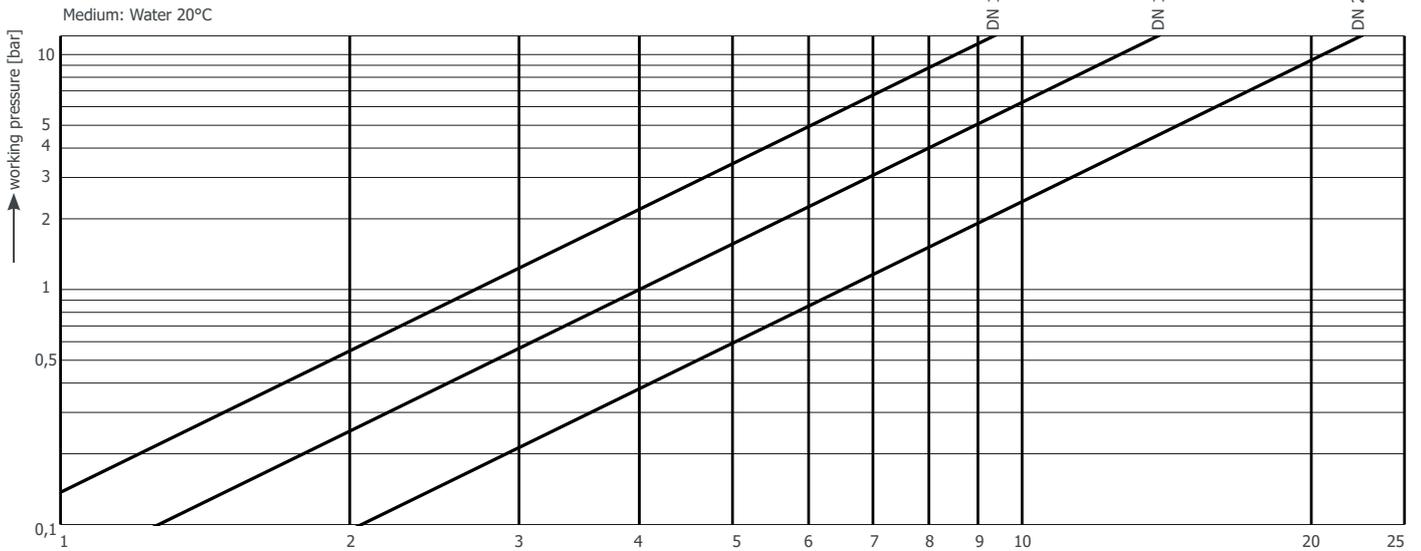
float

| | | | | | | | | |
|-----------------------|--------|---------|--------|--------|--------|--------|--------|--------|
| HDPE | 000833 | 000833 | 000833 | 000834 | -- | -- | -- | -- |
| copper | -- | 000802* | 000803 | 000804 | -- | -- | -- | -- |
| stainless steel - V4A | 000842 | 000842 | 000843 | 000844 | 000845 | 000846 | 000847 | 000848 |

* only up to 9 bar, for pressures up to 12 bar choose CU-float 000803

Flow diagram

KSV 10



KSV 80

