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# Visual Level Indicators (VLI)
## Standard Series

| Series | Type | Material | Pipe O.D. x s (mm) | Operating Pressure | Operating Temperature | Seite |
|---|---|---|---|---|---|---|
| **Standard 6** | 23614-A | 316/316L | 53.0 x 1.5 | max. 6bar @ 20°C | -80°C … +150°C | **2** |
| " | 23614-B | " | " | " | " | **3** |
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| " | 23614-O | " | " | " | " | **5** |
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| | Float selection diagram for Standard Series 6 | | | | | **7** |
| **Standard 28** | 34300-A | 316&316L | 53.0 x 1.5 | max. 28bar @ 20°C | -100°C … +400°C | **8** |
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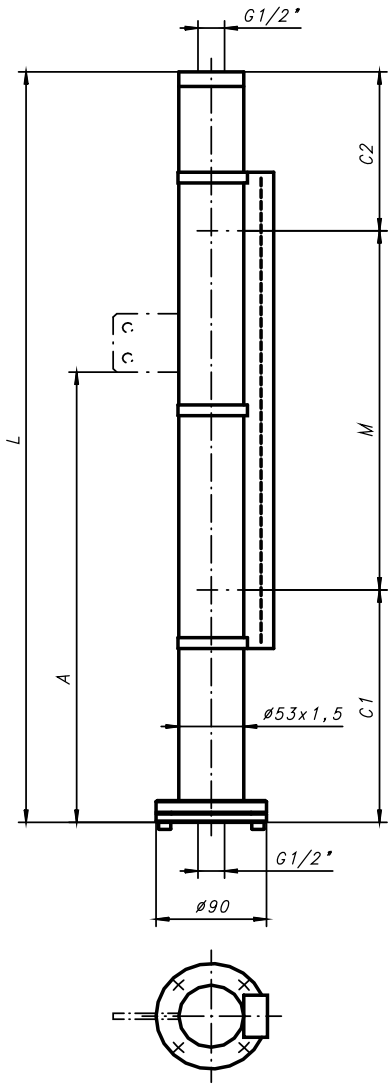
# Standard Series 6 — Type: 23614-A

**Design meets the requirements of PED 2014/68/EU and harmonized standards**




**Float extension lower / upper:**

| | C1: | C2: |
|---|---|---|
| Standard | 180 | 130 |

C1 & C2 shorter or longer, if out of standard range or with damping springs

**Purchase Order Data:**

Company: | Project:
Purchase order no.:
Quantity: | Tag no.:

**Operating Conditions**

| | | |
|---|---|---|
| Fluid: | | |
| Density: | ≥ 0.69g/cm³, ≤ 1.5g/cm³ | g/cm³: |
| Viscosity: | ≤ 600cSt | cSt: |
| Operating pressure: | max. 6bar(g) @ 20°C *1) | bar(g): |
| *Design pressure:* | " | *bar(g):* |
| Operating temperature: | -80°C ... +150°C *1) | °C: |
| *Design temperature:* | " | *°C:* |
| Connecting Distance "L": | max. 5800mm (one-piece design) | mm: |

**Design and Materials:**

Float chamber: 316/316L — Screws and nuts: A2-70, ISO 3506
Float: 316L (Standard) — type no.: ***36223/20 / 38662/20***
NBR — type no.: ***39525/0.8 /1.0 /1.2***
type no.:

other materials and densities see float selection diagram or on request

Damping spring top and bottom, 1.4401 — No.: 27399

Gaskets:
- Fibre compound Aramid/NBR (<150°C) — Standard ☐
- PTFE, non reinforced, racked (<250°C) ☐
- Graphite incl. reinforcing net in SS 316 (<400°C) ☐

**Process connections:**

**Connection threads:**
- female G1/2" (ISO 7-1 / ISO 228-1), without plug — Standard ☐
- other connection threads see price list

**Indication Rail:**

| | | | |
|---|---|---|---|
| PC, IP65 (<150°C) | Flaps: red-silver | No.: 34837 | Standard ☐ |
| PC, IP68, inert gas (<150°C) | Flaps: red-silver | No.: 41008 | ☐ |
| Al/PC, IP54 (<250°C) | Flaps: red-silver | No.: 34560 | ☐ |
| Al/glass, IP54 (<400°C) | Flaps: black-silver | No.: 37100 | ☐ |
| Special | Flaps: | No.: | |

**Accessories** (installation instructions see spec. no. 20010501)

Fixation bracket, moveable no. 45143-2: dimension "A" [mm]:
Magnetic switch: quantity: type:
Transmitter: resolution [mm]: 5 / **10** type:
measuring length $M_{el.}$ [mm]:
Converter: type:
Further accessories:

**Test reports and certificates:**

EN10204:2004-3.1 certificate for used materials of the float chamber: ☐

**Special executions and notes:**

**Notes:**

*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.

All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.



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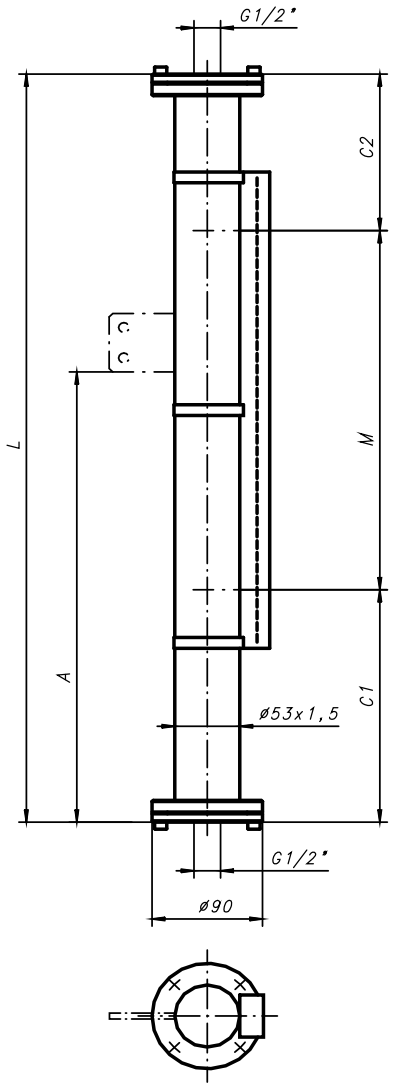
# Standard Series 6 — Type: 23614-B

**Design meets the requirements of PED 2014/68/EU and harmonized standards**




**Float extension lower / upper:**

| | C1: | C2: |
|---|---|---|
| Standard | 180 | 130 |

C1 & C2 shorter or longer, if out of standard range or with damping springs

**Purchase Order Data:**

Company: | Project:
Purchase order no.:
Quantity: | Tag no.:

**Operating Conditions**

| | | | |
|---|---|---|---|
| Fluid: | | | |
| Density: | ≥ 0.69g/cm³, ≤ 1.5g/cm³ | g/cm³: | |
| Viscosity: | ≤ 600cSt | cSt: | |
| Operating pressure: | max. 6bar(g) @ 20°C *1) | bar(g): | |
| *Design pressure:* | " | *bar(g):* | |
| Operating temperature: | -80°C ... +150°C *1) | °C: | |
| *Design temperature:* | " | *°C:* | |
| Connecting Distance "L": | max. 5800mm (one-piece design) | mm: | |

**Design and Materials:**

Float chamber: 316/316L — Screws and nuts: A2-70, ISO 3506
Float: 316L (Standard) — type no.: ***36223/20 / 38662/20***
NBR — type no.: ***39525/0.8 /1.0 /1.2***
type no.:

other materials and densities see float selection diagram or on request

Damping spring top and bottom, 1.4401 — No.: 27399

Gaskets:
- Fibre compound Aramid/NBR (<150°C) — Standard
- PTFE, non reinforced, racked (<250°C)
- Graphite incl. reinforcing net in SS 316 (<400°C)

**Process connections:**

**Connection threads:**
- female G1/2" (ISO 7-1 / ISO 228-1), without plug — Standard
- other connection threads see price list

**Indication Rail:**

| | | | |
|---|---|---|---|
| PC, IP65 (<150°C) | Flaps: red-silver | No.: 34837 | Standard |
| PC, IP68, inert gas (<150°C) | Flaps: red-silver | No.: 41008 | |
| Al/PC, IP54 (<250°C) | Flaps: red-silver | No.: 34560 | |
| Al/glass, IP54 (<400°C) | Flaps: black-silver | No.: 37100 | |
| Special | Flaps: | No.: | |

**Accessories** (installation instructions see spec. no. 20010501)

Fixation bracket, moveable no. 45143-2: dimension "A" [mm]:
Magnetic switch: quantity: type:
Transmitter: resolution [mm]: 5 / **10** type:
measuring length $M_{el.}$ [mm]:
Converter: type:
Further accessories:

**Test reports and certificates:**

EN10204:2004-3.1 certificate for used materials of the float chamber:

**Special executions and notes:**

**Notes:**

*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.

All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.



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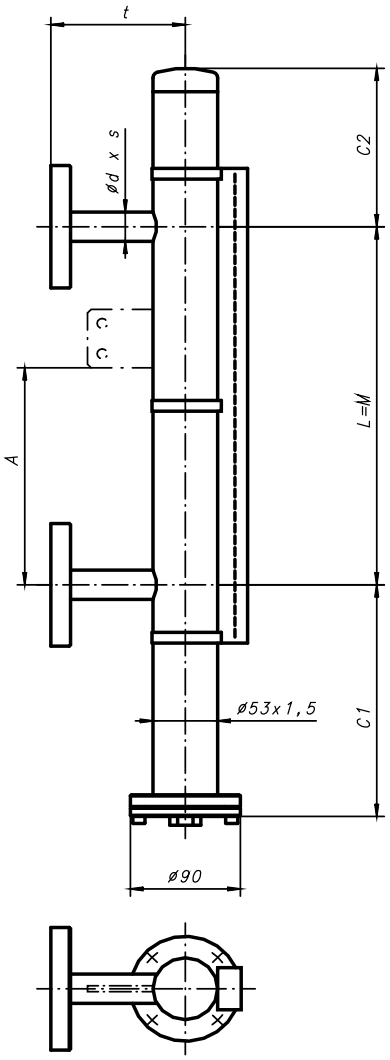
# Standard Series 6 — Type: 23614-K

**Design meets the requirements of PED 2014/68/EU and harmonized standards**




**Purchase Order Data:**

| | | | |
|---|---|---|---|
| Company: | | Project: | |
| Purchase order no.: | | | |
| Quantity: | | Tag no.: | |

**Operating Conditions**

| | | | |
|---|---|---|---|
| Fluid: | | | |
| Density: | ≥ 0.69g/cm³, ≤ 1.5g/cm³ | g/cm³: | |
| Viscosity: | ≤ 600cSt | cSt: | |
| Operating pressure: | max. 6bar(g) @ 20°C *1) | bar(g): | |
| *Design pressure:* | " | *bar(g):* | |
| Operating temperature: | -80°C ... +150°C *1) | °C: | |
| *Design temperature:* | " | *°C:* | |
| Connecting Distance "L": | max. 5600mm (one-piece design) | mm: | |

**Design and Materials:**

| | | | |
|---|---|---|---|
| Float chamber: | 316/316L | Screws and nuts: | A2-70, ISO 3506 |
| Float: | 316L (Standard) | type no.: | ***36223/20 / 38662/20*** |
| | NBR | type no.: | ***39525/0.8 /1.0 /1.2*** |
| | | type no.: | |

other materials and densities see float selection diagram or on request

Damping spring top and bottom, 1.4401 — No.: 27399

Gaskets:
- Fibre compound Aramid/NBR (<150°C) — Standard ☐
- PTFE, non reinforced, racked (<250°C) ☐
- Graphite incl. reinforcing net in SS 316 (<400°C) ☐

**Process connections:**

**EN-Connecting Flanges acc. EN1092-1 (Standard):**
- EN1092-1/01 A/DNxx/PN40/316L
- plate flanges, FF, Rz=12,5 … 50µm, turning

DN15: ☐ DN20: ☐ DN25: ☐

**ANSI/class150 (= ISO/PN20) - connecting flanges:**
- ANSI/ASME B16.5 / ISO-DIS7005-1.2, type 01/B1
- plate flanges, RF SF, Rz=12,5 … 50µm, turning

ANSI 1/2" resp. ISO DN15 : ☐
ANSI 3/4" resp. ISO DN20 : ☐
ANSI 1" resp. ISO DN25 : ☐

**Other Connections**

**Drain connection thread (Standard)** (for vent see price list)**:**
- G3/8" (ISO7-1/ISO228-1) with plug R3/8" (ISO7-1) and PTFE tape (<=250°C) ☐
- G3/8" (ISO7-1/ISO228-1) with plug G3/8" (ISO228-1) and Ni gasket (>250°C) ☐

**Indication Rail:**

| | | | | |
|---|---|---|---|---|
| PC, IP65 (<150°C) | Flaps: red-silver | No.: 34837 | Standard | ☐ |
| PC, IP68, inert gas (<150°C) | Flaps: red-silver | No.: 41008 | | ☐ |
| Al/PC, IP54 (<250°C) | Flaps: red-silver | No.: 34560 | | ☐ |
| Al/glass, IP54 (<400°C) | Flaps: black-silver | No.: 37100 | | ☐ |
| Special | Flaps: | No.: | | |

**Accessories** (installation instructions see spec. no. 20010501)

| | | | |
|---|---|---|---|
| Fixation bracket, moveable no. 45143-2: | | dimension "A" [mm]: | |
| Magnetic switch: | quantity: | type: | |
| Transmitter: | resolution [mm]: 5 / **10** | type: | |
| | measuring length $M_{el.}$ [mm]: | | |
| Converter: | type: | | |
| Further accessories: | | | |

**Test reports and certificates:**

EN10204:2004-3.1 certificate for used materials of the float chamber: ☐

**Special executions and notes:**

**Float extension lower / upper:**

| | C1: | C2: |
|---|---|---|
| Standard | 180 | 130 |

C1 & C2 shorter or longer, if out of standard range or with damping springs

**Standard flange connections:**

| | EN | ANSI/ISO |
|---|---|---|
| Connection pieces, d*s: | | |
| DN15: | 21.3*2.0 | 21.3*2.0 |
| DN20: | 26.9*2.0 | 26.9*2.0 |
| DN25: | 33.7*2.0 | 33.7*2.0 |
| ≥ DN32 *2): | 33.7*2.0 | 33.7*2.0 |
| Dimension t: | | |
| DN15: | 110 | 110 |
| DN20: | 110 | 110 |
| DN25: | 110 | 110 |
| ≥ DN32 *2): | tba on request 3): | |

**Notes:**

*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.

*2) With special reduction flanges.

*3) Depending on size of connecting flanges.

All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.



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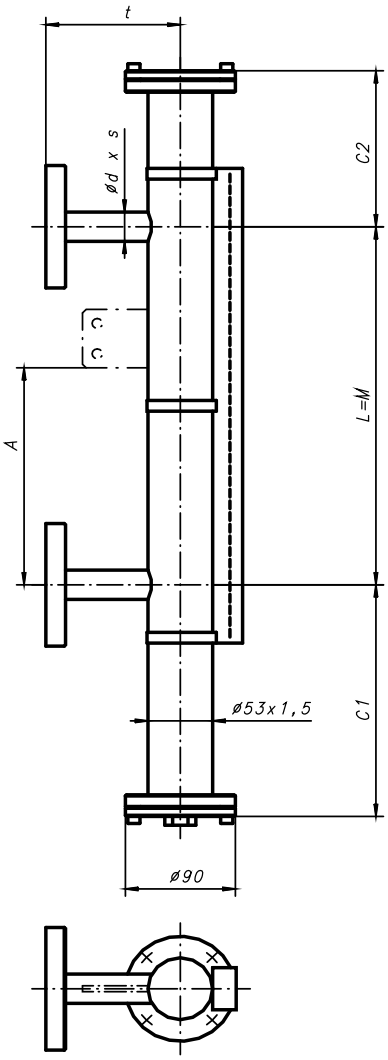
# Standard Series 6 — Type: 23614-O

**Design meets the requirements of PED 2014/68/EU and harmonized standards**




**Purchase Order Data:**

Company: | Project:
Purchase order no.:
Quantity: | Tag no.:

**Operating Conditions**

| | | |
|---|---|---|
| Fluid: | | |
| Density: | ≥ 0.69g/cm³, ≤ 1.5g/cm³ | g/cm³: |
| Viscosity: | ≤ 600cSt | cSt: |
| Operating pressure: | max. 6bar(g) @ 20°C *1) | bar(g): |
| *Design pressure:* | " | *bar(g):* |
| Operating temperature: | -80°C ... +150°C *1) | °C: |
| *Design temperature:* | " | *°C:* |
| Connecting Distance "L": | max. 5600mm (one-piece design) | mm: |

**Design and Materials:**

Float chamber: 316/316L — Screws and nuts: A2-70, ISO 3506
Float: 316L (Standard) — type no.: ***36223/20 / 38662/20***
NBR — type no.: ***39525/0.8 /1.0 /1.2***
type no.:

other materials and densities see float selection diagram or on request

Damping spring top and bottom, 1.4401 — No.: 27399

Gaskets:
- Fibre compound Aramid/NBR (<150°C) — Standard
- PTFE, non reinforced, racked (<250°C)
- Graphite incl. reinforcing net in SS 316 (<400°C)

**Process connections:**

**EN-Connecting Flanges acc. EN1092-1 (Standard):** — DN15: DN20: DN25:
- EN1092-1/01 A/DNxx/PN40/316L
- plate flanges, FF, Rz=12,5 … 50µm, turning

**ANSI/class150 (= ISO/PN20) - connecting flanges:**
- ANSI/ASME B16.5 / ISO-DIS7005-1.2, type 01/B1 — ANSI 1/2" resp. ISO DN15 : ANSI 3/4" resp. ISO DN20 :
- plate flanges, RF SF, Rz=12,5 … 50µm, turning — ANSI 1" resp. ISO DN25 :

**Other Connections**

**Drain connection thread (Standard)** (for vent see price list)**:**
G3/8" (ISO7-1/ISO228-1) with plug R3/8" (ISO7-1) and PTFE tape (<=250°C)
G3/8" (ISO7-1/ISO228-1) with plug G3/8" (ISO228-1) and Ni gasket (>250°C)

**Indication Rail:**

| | | | |
|---|---|---|---|
| PC, IP65 (<150°C) | Flaps: red-silver | No.: 34837 | Standard |
| PC, IP68, inert gas (<150°C) | Flaps: red-silver | No.: 41008 | |
| Al/PC, IP54 (<250°C) | Flaps: red-silver | No.: 34560 | |
| Al/glass, IP54 (<400°C) | Flaps: black-silver | No.: 37100 | |
| Special | Flaps: | No.: | |

**Accessories** (installation instructions see spec. no. 20010501)

Fixation bracket, moveable no. 45143-2: — dimension "A" [mm]:
Magnetic switch: — quantity: — type:
Transmitter: — resolution [mm]: 5 / **10** — type:
measuring length $M_{el.}$ [mm]:
Converter: — type:
Further accessories:

**Test reports and certificates:**

EN10204:2004-3.1 certificate for used materials of the float chamber:

**Special executions and notes:**

**Float extension lower / upper:**

| | C1: | C2: |
|---|---|---|
| Standard | 180 | 130 |

C1 & C2 shorter or longer, if out of standard range or with damping springs

**Standard flange connections:**

| | EN | ANSI/ISO |
|---|---|---|
| Connection pieces, d*s: | | |
| DN15: | 21.3*2.0 | 21.3*2.0 |
| DN20: | 26.9*2.0 | 26.9*2.0 |
| DN25: | 33.7*2.0 | 33.7*2.0 |
| ≥ DN32 *2): | 33.7*2.0 | 33.7*2.0 |
| Dimension t: | | |
| DN15: | 110 | 110 |
| DN20: | 110 | 110 |
| DN25: | 110 | 110 |
| ≥ DN32 *2): | tba on request 3): | |

**Notes:**

*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.

*2) With special reduction flanges.

*3) Depending on size of connecting flanges.

All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.



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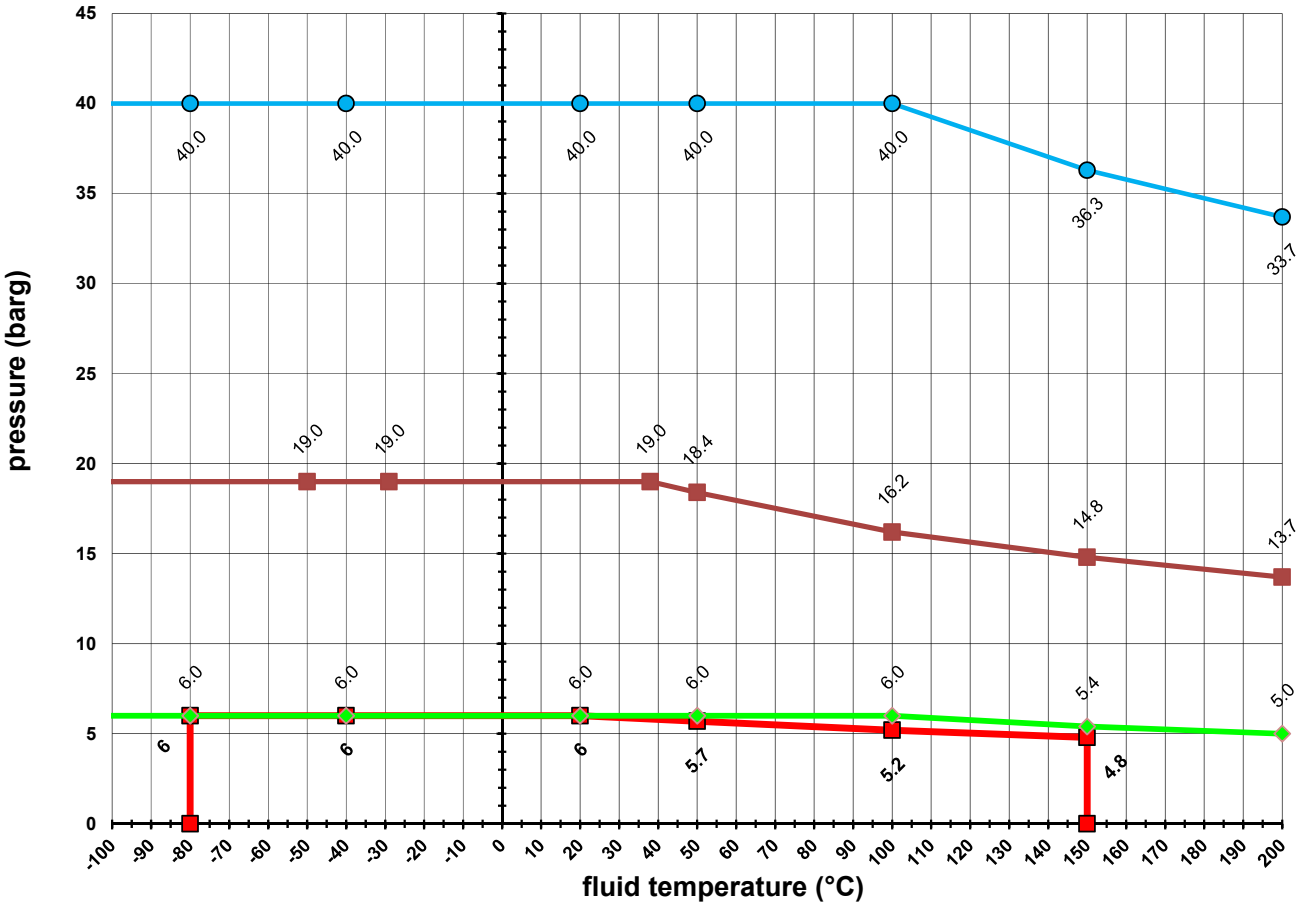
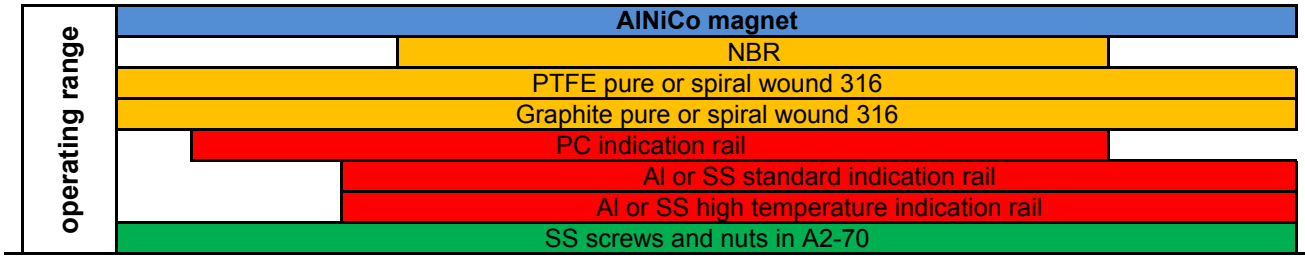
# Pressure-temperature-rating for VLI Standard 6, type 23614

**Max. 6bar(g) @ 20°C, up to max. 150°C for VLI bypass float chamber in SS EN 1.4401, 1.4436 & 1.4404, 1.4435 resp. ANSI 316&316L**




VLI StandardLine 6
all types 23614 (-A, -B, -K, -O)

EN 1092-1 PN6 flanges
Double certified 1.4401/1.4436 & 1.4404/1.4435
Material group 13E0 & 14E0

ANSI B16.5 class150 flanges
ISO 7005-1 PN20
Double certified 316&316L
Material group 2.2 resp. 2A2

EN 1092-1 PN40 flanges
Double certified 1.4401/1.4436 & 1.4404/1.4435
Material group 13E0 & 14E0

**Other flanges on request**

**Notes:**

- **EN1092-1 flanges PN25 and PN40 up to DN150 have identical interface dimensions**
- **Tolerated max pressure @ specified temperature of the VLI is given either by the bypass tube or by the connection flanges**
  **--- Lower value sets the limitation! ---**



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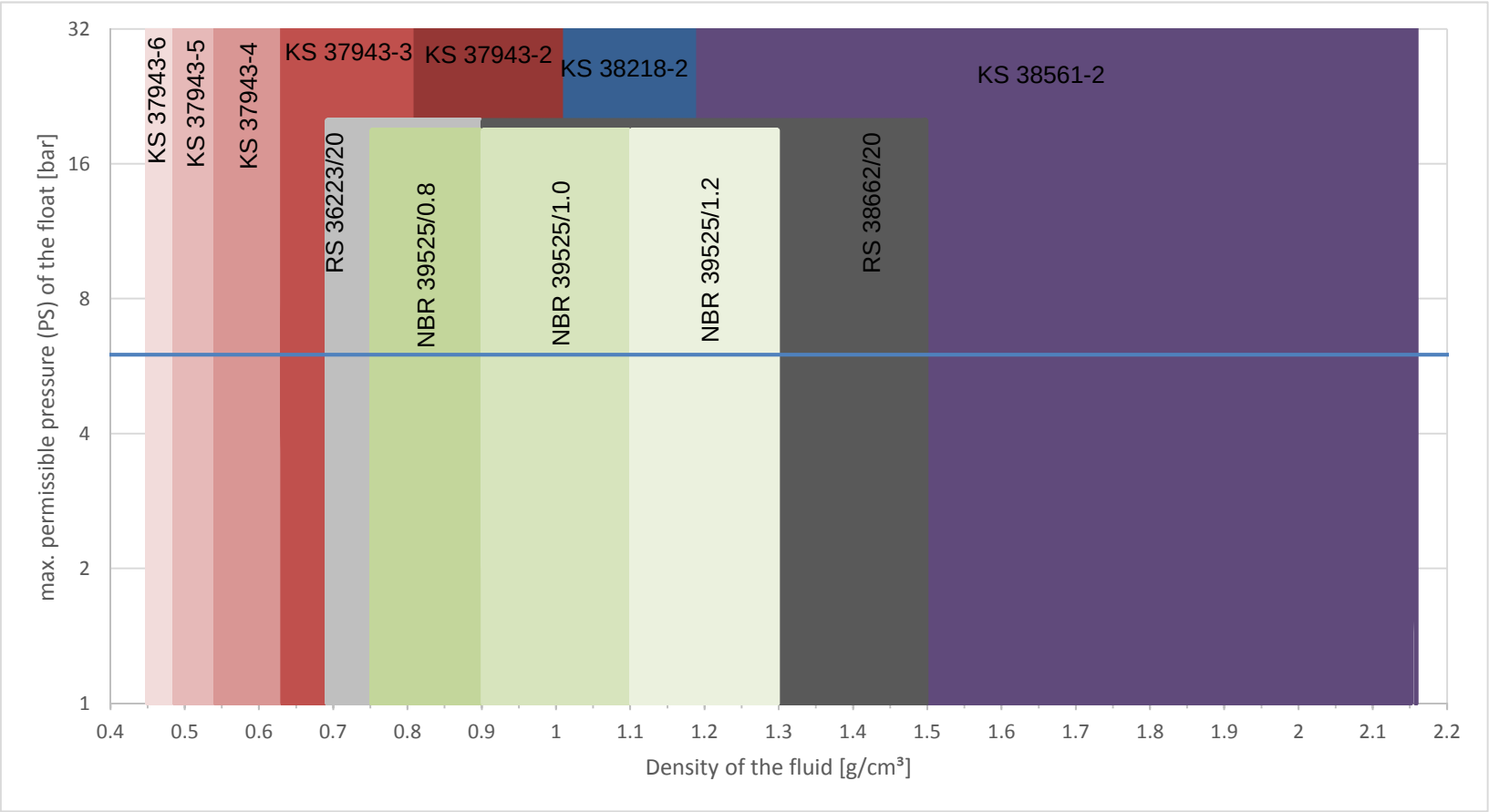
# Float selection diagram

## VLI Typ 23614, Standad Line 6

These data apply for an operating temperature of Ò20°C.
For higher operating temperatures, please check the max. permissible float pressure on the respective data sheet.




Limit of application:
VLI @ 20°C
Observe P-T diagram!

Comments:

KS = ball float
RS = casing float
NBR = foamed plastic float

Example 37943-X = number of balls
Example 36223/XX = max. permissible pressure in bar @ 20°C
Example 39525/X.X = density range of the floats in g/cm³

Material = Titan Alloy
Material = 316L
Material = NBR

Attention: Check media compatibility

Interior diameter of the float chamber = 50.0mm
For steam or condensate applications, please check the use of damping springs
Additional charge for densities < 0.54g/cm³ due to extended length of bottom float run-out and ball float with more than 4 balls
Additional charge for densities < 0.69g/cm³ and > 1.5g/cm³ due to ball float and possibly extended length of bottom float run-out



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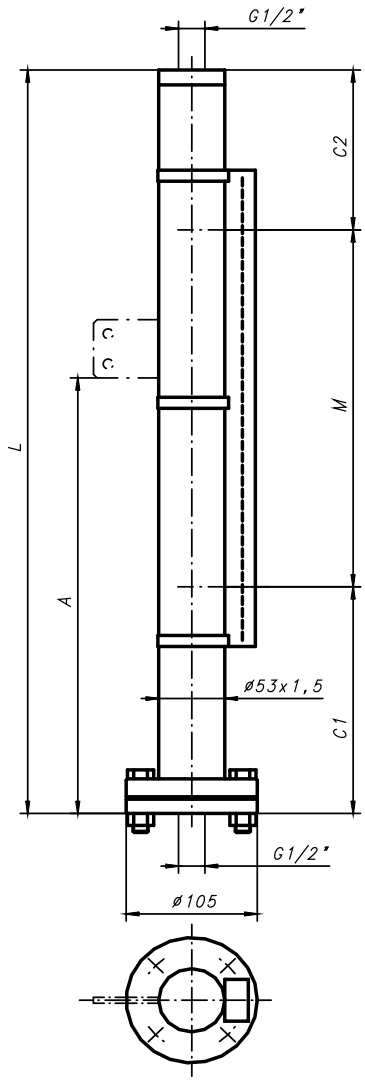
# Standard Series 28 — Type: 34300-A

**Design meets the requirements of PED 2014/68/EU and harmonized standards**




**Purchase Order Data:**

| | | | |
|---|---|---|---|
| Company: | | Project: | |
| Purchase order no.: | | | |
| Quantity: | | Tag no.: | |

**Operating Conditions**

| | | | |
|---|---|---|---|
| Fluid: | | | |
| Density: | ≥ 0.54g/cm³, ≤ 1.5g/cm³ | g/cm³: | |
| Viscosity: | ≤ 600cSt | cSt: | |
| Operating pressure: | max. 28bar(g) @ 20°C *1) | bar(g): | |
| *Design pressure:* | " | *bar(g):* | |
| Operating temperature: | -100°C ... +400°C *1) | °C: | |
| *Design temperature:* | " | *°C:* | |
| Connecting Distance "L": | max. 5800mm (one-piece design) | mm: | |

**Design and Materials:**

| | | | |
|---|---|---|---|
| Float chamber: | 316&316L | Screws and nuts: | A2-70, ISO 3506 |
| Float: | 316L (Standard) | type no.: | ***36223/20 / 38662/20*** |
| | Ti alloy | type no.: | ***37943-2 / -3 / -4*** |
| | | type no.: | |

other materials and densities see float selection diagram or on request

Damping spring top and bottom, 1.4401 — No.: 27399

Gaskets:
- Fibre compound Aramid/NBR (<150°C) — Standard ☐
- PTFE, non reinforced, racked (<250°C) ☐
- Graphite incl. reinforcing net in SS 316 (<400°C) ☐

**Process connections:**

**Connection threads:**
- female G1/2" (ISO 7-1 / ISO 228-1), without plug — Standard ☐
- other connection threads see price list ☐

**Float extension lower / upper:**

| | C1: | C2: |
|---|---|---|
| Standard | 190 | 130 |

C1 & C2 shorter or longer, if out of standard range or with damping springs

**Indication Rail:**

| | | | | |
|---|---|---|---|---|
| PC, IP65 (<150°C) | Flaps: red-silver | No.: 34837 | Standard | ☐ |
| PC, IP68, inert gas (<150°C) | Flaps: red-silver | No.: 41008 | | ☐ |
| Al/PC, IP54 (<250°C) | Flaps: red-silver | No.: 34560 | | ☐ |
| Al/glass, IP54 (<400°C) | Flaps: black-silver | No.: 37100 | | ☐ |
| Special | Flaps: | No.: | | |

**Accessories** (installation instructions see spec. no. 20010501)

| | | | |
|---|---|---|---|
| Fixation bracket, moveable no. 45143-2: | | dimension "A" [mm]: | |
| Magnetic switch: | quantity: | type: | |
| Transmitter: | resolution [mm]: 5 / **10** | type: | |
| | measuring length $M_{el.}$ [mm]: | | |
| Converter: | type: | | |
| Further accessories: | | | |

**Test reports and certificates:**

EN10204:2004-3.1 certificate for used materials of the float chamber: ☐

**Special executions and notes:**

**Notes:**

*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.

All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.



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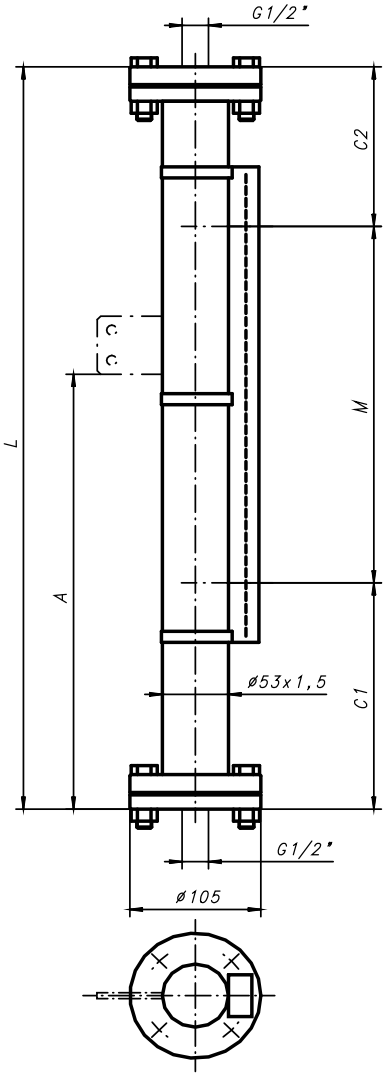
# Standard Series 28 — Type: 34300-B

**Design meets the requirements of PED 2014/68/EU and harmonized standards**




**Purchase Order Data:**

| | | | |
|---|---|---|---|
| Company: | | Project: | |
| Purchase order no.: | | | |
| Quantity: | | Tag no.: | |

**Operating Conditions**

| | | | |
|---|---|---|---|
| Fluid: | | | |
| Density: | ≥ 0.54g/cm³, ≤ 1.5g/cm³ | g/cm³: | |
| Viscosity: | ≤ 600cSt | cSt: | |
| Operating pressure: | max. 28bar(g) @ 20°C *1) | bar(g): | |
| *Design pressure:* | " | *bar(g):* | |
| Operating temperature: | -100°C ... +400°C *1) | °C: | |
| *Design temperature:* | " | *°C:* | |
| Connecting Distance "L": | max. 5800mm (one-piece design) | mm: | |

**Design and Materials:**

| | | | |
|---|---|---|---|
| Float chamber: | 316&316L | Screws and nuts: | A2-70, ISO 3506 |
| Float: | 316L (Standard) | type no.: | ***36223/20 / 38662/20*** |
| | Ti alloy | type no.: | ***37943-2 / -3 / -4*** |
| | | type no.: | |

other materials and densities see float selection diagram or on request

Damping spring top and bottom, 1.4401 — No.: 27399 ☐

Gaskets:
- Fibre compound Aramid/NBR (<150°C) — Standard ☐
- PTFE, non reinforced, racked (<250°C) ☐
- Graphite incl. reinforcing net in SS 316 (<400°C) ☐

**Process connections:**

**Connection threads:**
- female G1/2" (ISO 7-1 / ISO 228-1), without plug — Standard ☐
- other connection threads see price list

**Float extension lower / upper:**

| | C1: | C2: |
|---|---|---|
| Standard | 190 | 135 |

C1 & C2 shorter or longer, if out of standard range or with damping springs

**Indication Rail:**

| | | | | |
|---|---|---|---|---|
| PC, IP65 (<150°C) | Flaps: red-silver | No.: 34837 | Standard | ☐ |
| PC, IP68, inert gas (<150°C) | Flaps: red-silver | No.: 41008 | | ☐ |
| Al/PC, IP54 (<250°C) | Flaps: red-silver | No.: 34560 | | ☐ |
| Al/glass, IP54 (<400°C) | Flaps: black-silver | No.: 37100 | | ☐ |
| Special | Flaps: | No.: | | |

**Accessories** (installation instructions see spec. no. 20010501)

| | | | |
|---|---|---|---|
| Fixation bracket, moveable no. 45143-2: | | dimension "A" [mm]: | |
| Magnetic switch: | quantity: | type: | |
| Transmitter: | resolution [mm]: 5 / **10** | type: | |
| | measuring length $M_{el.}$ [mm]: | | |
| Converter: | type: | | |
| Further accessories: | | | |

**Test reports and certificates:**

EN10204:2004-3.1 certificate for used materials of the float chamber: ☐

**Special executions and notes:**

**Notes:**

*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.

All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.



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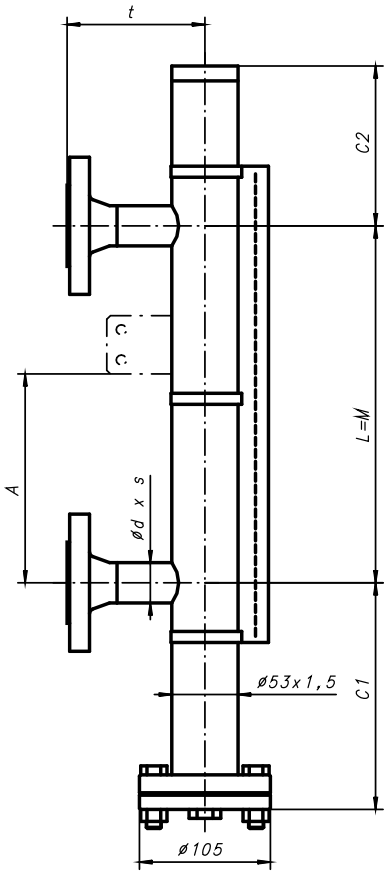
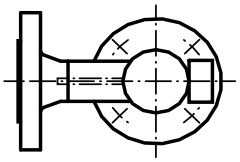
# Standard Series 28 — Type: 34300-K

**Design meets the requirements of PED 2014/68/EU and harmonized standards**



**Float extension lower / upper:**

| | C1: | C2: |
|---|---|---|
| Standard | 190 | 130 |

C1 & C2 shorter or longer, if out of standard range or with damping springs

**Standard flange connections:**

| | EN | ANSI/ISO |
|---|---|---|
| Connection pieces, d*s: | | |
| DN15: | 21.3*2.0 | 21.3*2.0 |
| DN20: | 26.9*2.0 | 26.9*2.0 |
| DN25: | 33.7*2.0 | 33.7*2.0 |
| ≥ DN32 *2): | 33.7*2.0 | 33.7*2.0 |
| Dimension t: | | |
| DN15: | 110 | 119 |
| DN20: | 110 | 122 |
| DN25: | 110 | 125 |
| ≥ DN32 *2): | tba on request 3): | |

**Purchase Order Data:**

Company: | Project:
Purchase order no.:
Quantity: | Tag no.:

**Operating Conditions**

| | | | |
|---|---|---|---|
| Fluid: | Water | | |
| Density: | ≥ 0.54g/cm³, ≤ 1.5g/cm³ | g/cm³: | .8 |
| Viscosity: | ≤ 600cSt | cSt: | |
| Operating pressure: | max. 28bar(g) @ 20°C *1) | bar(g): | 25 |
| *Design pressure:* | " | *bar(g):* | |
| Operating temperature: | -100°C ... +400°C *1) | °C: | |
| *Design temperature:* | " | *°C:* | 80 |
| Connecting Distance "L": | max. 5600mm (one-piece design) | mm: | 2500 |

**Design and Materials:**

Float chamber: 316&316L — Screws and nuts: A2-70, ISO 3506
Float: 316L (Standard) — type no.: ***36223/20 / 38662/20***
Ti alloy — type no.: ***37943-2 / -3 / -4***
type no.:

other materials and densities see float selection diagram or on request

Damping spring top and bottom, 1.4401 — No.: 27399

Gaskets:
- Fibre compound Aramid/NBR (<150°C) — Standard ☐
- PTFE, non reinforced, racked (<250°C) ☐
- Graphite incl. reinforcing net in SS 316 (<400°C) ☐

**Process connections:**

**EN-Connecting Flanges acc. EN1092-1 (Standard):**
- EN1092-1/11 B1/DNxx/PN40/316L
- wn-flange, RF, Rz=12,5 … 50µm, turning

DN15: ✔ DN20: ☐ DN25: ☐

**ANSI/class150 (= ISO/PN20) - connecting flanges:**
- ANSI/ASME B16.5 / ISO-DIS7005-1.2, type 11/B1
- wn-flanges, RF SF, Rz=12,5 … 50µm, turning

ANSI 1/2" resp. ISO DN15 : ☐
ANSI 3/4" resp. ISO DN20 : ☐
ANSI 1" resp. ISO DN25 : ☐

**Other Connections**

**Drain connection thread (Standard)** (for vent see price list)**:**
G3/8" (ISO7-1/ISO228-1) with plug R3/8" (ISO7-1) and PTFE tape (<=250°C) ☐
G3/8" (ISO7-1/ISO228-1) with plug G3/8" (ISO228-1) and Ni gasket (>250°C) ☐

**Indication Rail:**

| | | | |
|---|---|---|---|
| PC, IP65 (<150°C) | Flaps: red-silver | No.: 34837 | Standard ☐ |
| PC, IP68, inert gas (<150°C) | Flaps: red-silver | No.: 41008 | ☐ |
| Al/PC, IP54 (<250°C) | Flaps: red-silver | No.: 34560 | ☐ |
| Al/glass, IP54 (<400°C) | Flaps: black-silver | No.: 37100 | ☐ |
| Special | Flaps: | No.: | |

**Accessories** (installation instructions see spec. no. 20010501)

Fixation bracket, moveable no. 45143-2: dimension "A" [mm]:
Magnetic switch: quantity: 2 type:
Transmitter: resolution [mm]: 5 / **10** type:
measuring length $M_{el.}$ [mm]:
Converter: type:
Further accessories:

**Test reports and certificates:**

EN10204:2004-3.1 certificate for used materials of the float chamber: ✔

**Special executions and notes:**

**Notes:**

*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.
*2) With special reduction flanges.
*3) Depending on size of connecting flanges.
All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.



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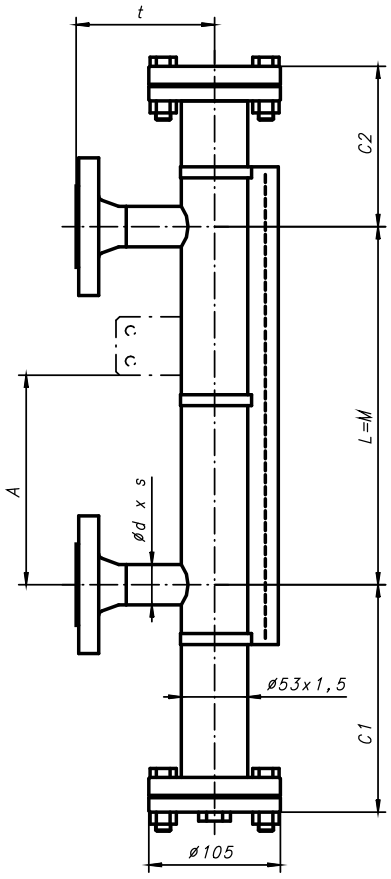
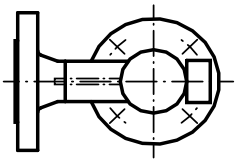
# Standard Series 28 — Type: 34300-O

**Design meets the requirements of PED 2014/68/EU and harmonized standards**



**Float extension lower / upper:**

| | C1: | C2: |
|---|---|---|
| Standard | 190 | 135 |

C1 & C2 shorter or longer, if out of standard range or with damping springs

**Standard flange connections:**

| | EN | ANSI/ISO |
|---|---|---|
| Connection pieces, d*s: | | |
| DN15: | 21.3*2.0 | 21.3*2.0 |
| DN20: | 26.9*2.0 | 26.9*2.0 |
| DN25: | 33.7*2.0 | 33.7*2.0 |
| ≥ DN32 *2): | 33.7*2.0 | 33.7*2.0 |
| Dimension t: | | |
| DN15: | 110 | 119 |
| DN20: | 110 | 122 |
| DN25: | 110 | 125 |
| ≥ DN32 *2): | tba on request 3): | |

**Purchase Order Data:**

Company: | Project:
Purchase order no.:
Quantity: | Tag no.:

**Operating Conditions**

| | | |
|---|---|---|
| Fluid: | | |
| Density: | ≥ 0.54g/cm³, ≤ 1.5g/cm³ | g/cm³: |
| Viscosity: | ≤ 600cSt | cSt: |
| Operating pressure: | max. 28bar(g) @ 20°C *1) | bar(g): |
| *Design pressure:* | " | *bar(g):* |
| Operating temperature: | -100°C ... +400°C *1) | °C: |
| *Design temperature:* | " | *°C:* |
| Connecting Distance "L": | max. 5600mm (one-piece design) | mm: |

**Design and Materials:**

Float chamber: 316&316L — Screws and nuts: A2-70, ISO 3506
Float: 316L (Standard) — type no.: ***36223/20 / 38662/20***
Ti alloy — type no.: ***37943-2 / -3 / -4***
type no.:
other materials and densities see float selection diagram or on request

Damping spring top and bottom, 1.4401 — No.: 27399
Gaskets: Fibre compound Aramid/NBR (<150°C) — Standard
PTFE, non reinforced, racked (<250°C)
Graphite incl. reinforcing net in SS 316 (<400°C)

**Process connections:**

**EN-Connecting Flanges acc. EN1092-1 (Standard):** DN15:
- EN1092-1/11 B1/DNxx/PN40/316L — DN20:
- wn-flange, RF, Rz=12,5 … 50µm, turning — DN25:

**ANSI/class150 (= ISO/PN20) - connecting flanges:** ANSI 1/2" resp. ISO DN15 :
- ANSI/ASME B16.5 / ISO-DIS7005-1.2, type 11/B1 — ANSI 3/4" resp. ISO DN20 :
- wn-flanges, RF SF, Rz=12,5 … 50µm, turning — ANSI 1" resp. ISO DN25 :

**Other Connections**

**Drain connection thread (Standard)** (for vent see price list)**:**
G3/8" (ISO7-1/ISO228-1) with plug R3/8" (ISO7-1) and PTFE tape (<=250°C)
G3/8" (ISO7-1/ISO228-1) with plug G3/8" (ISO228-1) and Ni gasket (>250°C)

**Indication Rail:**

| | | | |
|---|---|---|---|
| PC, IP65 (<150°C) | Flaps: red-silver | No.: 34837 | Standard |
| PC, IP68, inert gas (<150°C) | Flaps: red-silver | No.: 41008 | |
| Al/PC, IP54 (<250°C) | Flaps: red-silver | No.: 34560 | |
| Al/glass, IP54 (<400°C) | Flaps: black-silver | No.: 37100 | |
| Special | Flaps: | No.: | |

**Accessories** (installation instructions see spec. no. 20010501)

Fixation bracket, moveable no. 45143-2: dimension "A" [mm]:
Magnetic switch: quantity: type:
Transmitter: resolution [mm]: 5 / **10** type:
measuring length $M_{el.}$ [mm]:
Converter: type:
Further accessories:

**Test reports and certificates:**

EN10204:2004-3.1 certificate for used materials of the float chamber:

**Special executions and notes:**

**Notes:**

*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.
*2) With special reduction flanges.
*3) Depending on size of connecting flanges.
All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.



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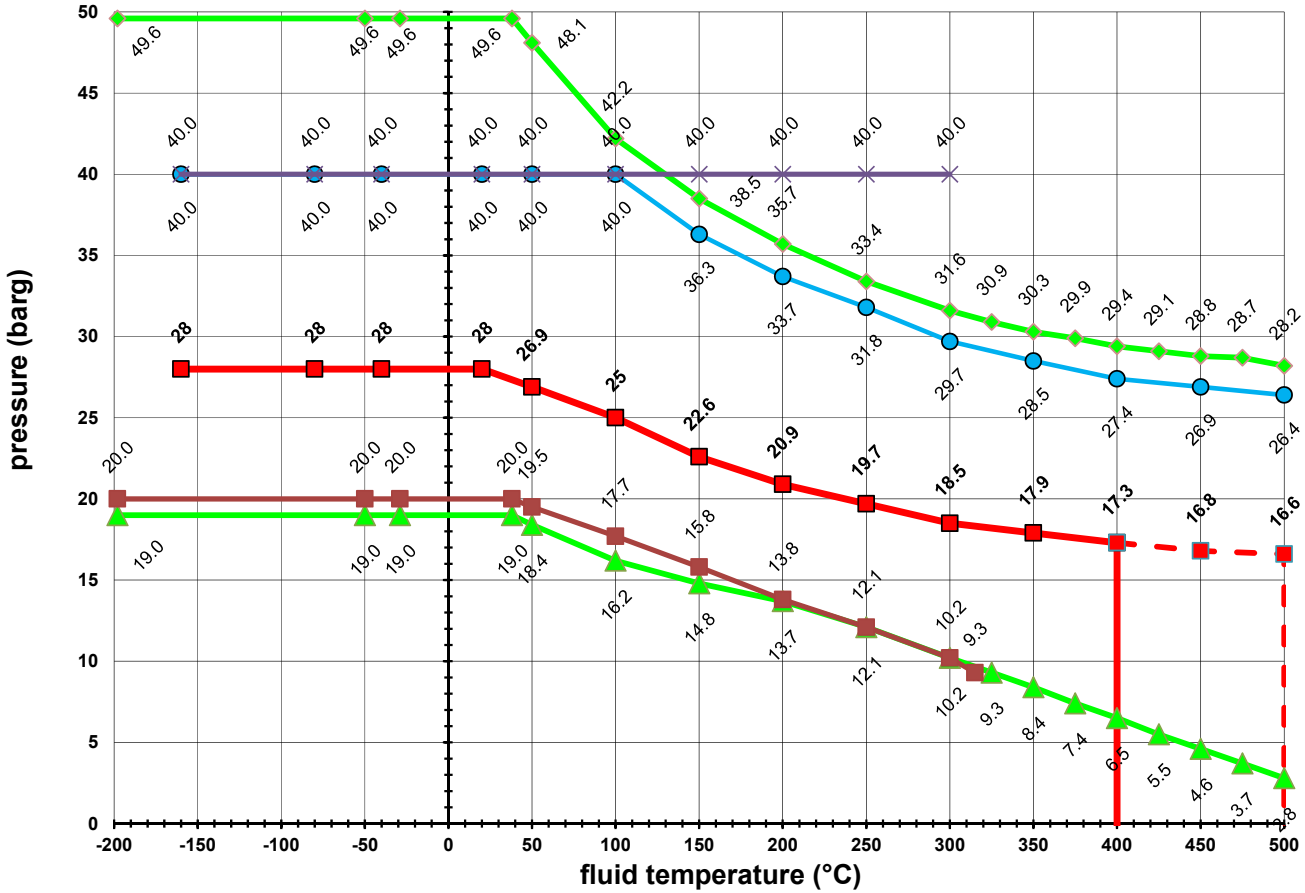
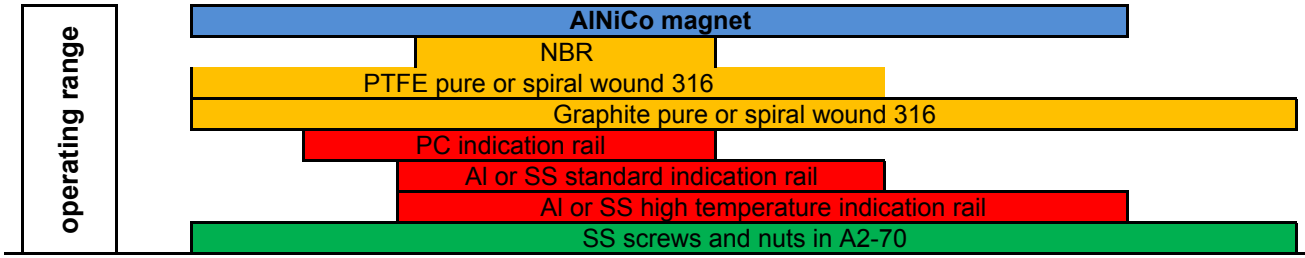
# Pressure-temperature-rating for VLI Standard 28, type 34300

**Max. 28bar(g) @ 20°C, up to max. 500°C for VLI bypass float chamber in SS EN 1.4401, 1.4436 & 1.4404, 1.4435 resp. ANSI 316&316L**




- VLI StandardLine 28 all types 34300 (-A, -B, -K, -O)
- Additional range of float chamber without float and magnet
- EN 1092-1 PN40 flanges Double certified 1.4401/1.4436 & 1.4404/1.4435 Material group 13E0 & 14E0
- ANSI B16.5 class150 flanges ISO 7005-1 PN20 Double certified 316&316L Material group 2.2 resp. 2A2
- ANSI B16.5 class150 flanges 1.4462 (Duplex) Material group 2.8 ASTM A182 Gr. F51
- ANSI B16.5 class300 flanges ISO 7005-1 PN50 Double certified 316&316L Material group 2.2 resp. 2A2
- EN 1092-1 PN40 flanges 1.4462 (Duplex) Material group 16E0




**Other flanges on request**

**Notes:**

- **EN1092-1 flanges PN25 and PN40 up to DN150 have identical interface dimensions**
- **Tolerated max pressure @ specified temperature of the VLI is given either by the bypass tube or by the connection flanges**
  **--- Lower value sets the limitation! ---**



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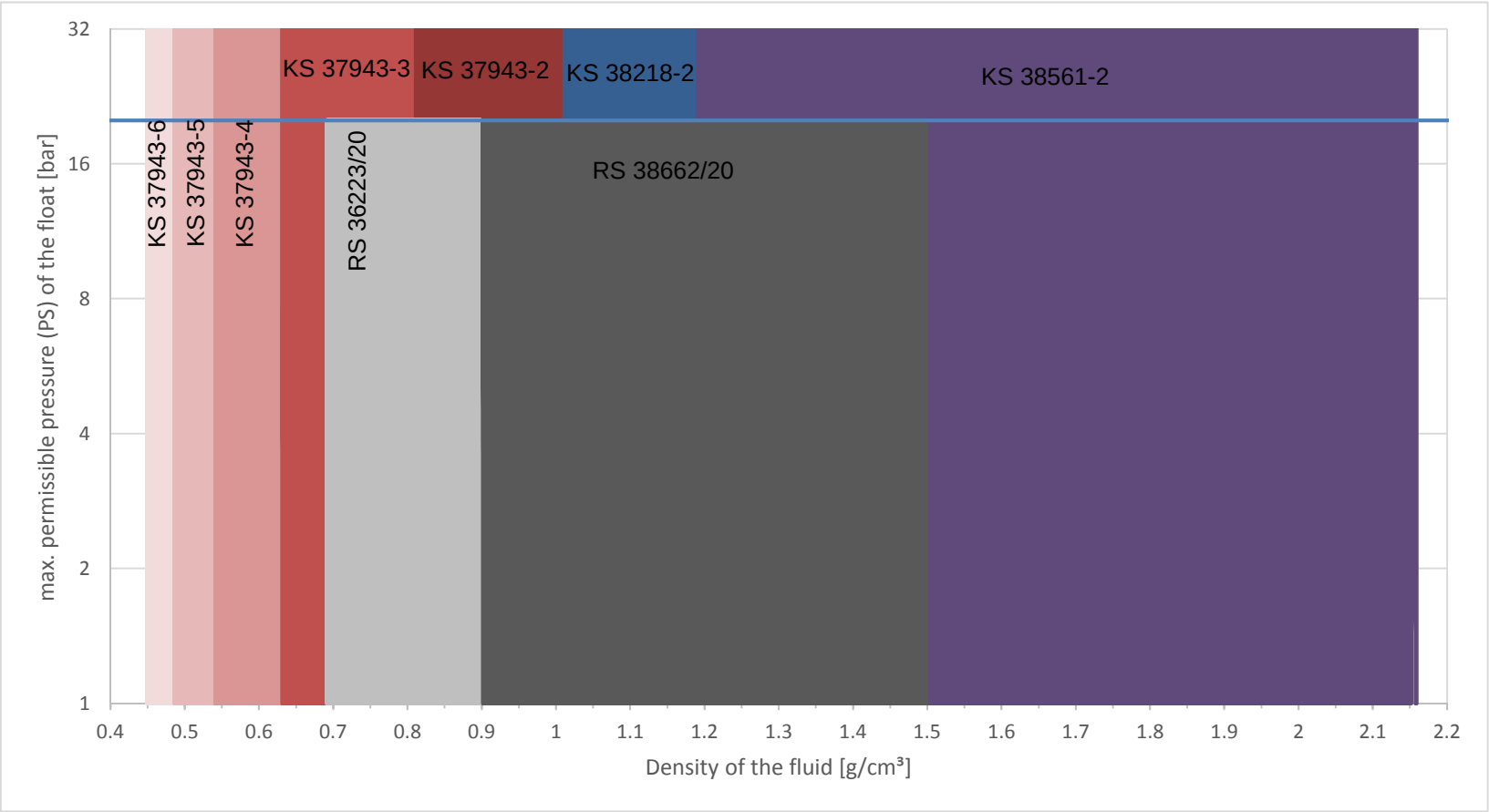
# Float selection diagram

## VLI Typ 34300, Standad Line 28

These data apply for an operating temperature of Ò20°C.
For higher operating temperatures, please check the max. permissible float pressure on the respective data sheet.




Limit of application:
VLI @ 20°C
Observe P-T diagram!

Comments:

KS = ball float
RS = casing float
Example 37943-X = number of balls
Example 36223/XX = max. permissible pressure in bar @ 20°C
Material = Titan Alloy
Material = 316L
Interior diameter of the float chamber = 50.0mm
For steam or condensate applications, please check the use of damping springs
Additional charge for densities < 0.54g/cm³ due to extended length of bottom float run-out and ball float with more than 4 balls
Additional charge for densities > 1.5g/cm³ due to ball float



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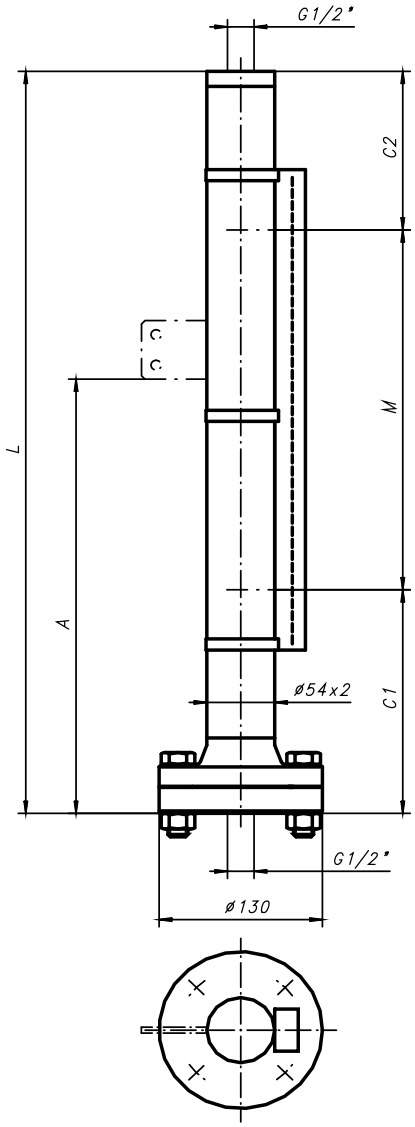
# Standard Series 50 — Type: 32755-A

**Design meets the requirements of PED 2014/68/EU and harmonized standards**




**Float extension lower / upper:**

| | C1: | C2: |
|---|---|---|
| Standard | 190 | 135 |

C1 & C2 shorter or longer, if out of standard range or with damping springs

**Purchase Order Data:**

Company: | Project:

Purchase order no.:

Quantity: | Tag no.:

**Operating Conditions**

| | | |
|---|---|---|
| Fluid: | | |
| Density: | ≥ 0.54g/cm³, ≤ 1.45g/cm³ | g/cm³: |
| Viscosity: | ≤ 600cSt | cSt: |
| Operating pressure: | max. 50bar(g) @ 20°C *1) | bar(g): |
| *Design pressure:* | " | *bar(g):* |
| Operating temperature: | -80°C ... +400°C *1) | °C: |
| *Design temperature:* | " | *°C:* |
| Connecting Distance "L": | max. 5800mm (one-piece design) | mm: |

**Design and Materials:**

Float chamber: 316/316L — Screws and nuts: A2-70, ISO 3506

Float: Ti alloy (Standard) — type no.: ***37943-2 / -3 / -4***

type no.:

other materials and densities see float selection diagram or on request

Damping spring top and bottom, 1.4401 — No.: 27399

Gaskets:
- Fibre compound Aramid/NBR (<150°C) — Standard ☐
- PTFE, non reinforced, racked (<250°C) ☐
- Graphite incl. reinforcing net in SS 316 (<400°C) ☐

**Process connections:**

**Connection threads:**
- female G1/2" (ISO 7-1 / ISO 228-1), without plug — Standard ☐
- other connection threads see price list

**Indication Rail:**

| | | | |
|---|---|---|---|
| PC, IP65 (<150°C) | Flaps: red-silver | No.: 34837 | Standard ☐ |
| PC, IP68, inert gas (<150°C) | Flaps: red-silver | No.: 41008 | ☐ |
| Al/PC, IP54 (<250°C) | Flaps: red-silver | No.: 34560 | ☐ |
| Al/glass, IP54 (<400°C) | Flaps: black-silver | No.: 37100 | ☐ |
| Special | Flaps: | No.: | |

**Accessories** (installation instructions see spec. no. 20010501)

Fixation bracket, moveable no. 45143-2: dimension "A" [mm]:

Magnetic switch: quantity: type:

Transmitter: resolution [mm]: 5 / **10** type:

measuring length $M_{el.}$ [mm]:

Converter: type:

Further accessories:

**Test reports and certificates:**

EN10204:2004-3.1 certificate for used materials of the float chamber: ☐

**Special executions and notes:**

**Notes:**

*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.

All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.



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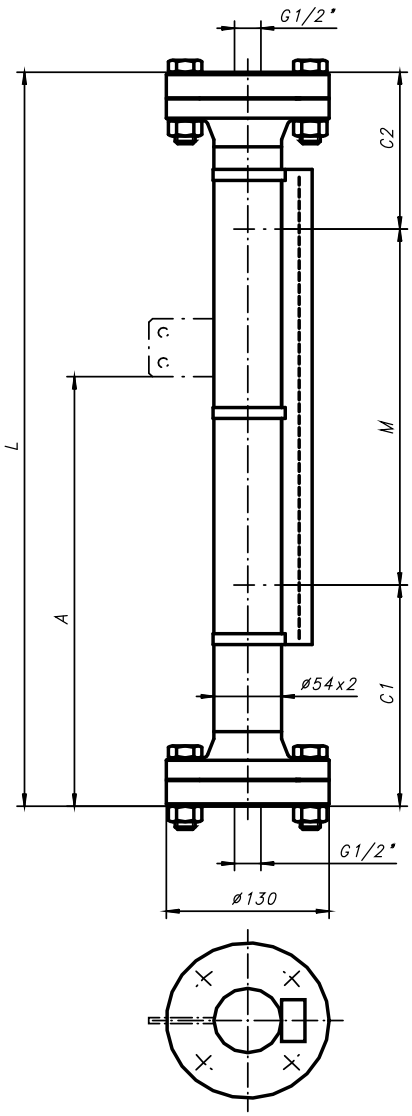
# Standard Series 50 — Type: 32755-B

**Design meets the requirements of PED 2014/68/EU and harmonized standards**




**Float extension lower / upper:**

| | C1: | C2: |
|---|---|---|
| Standard | 190 | 140 |

C1 & C2 shorter or longer, if out of standard range or with damping springs

**Purchase Order Data:**

Company: | Project:
Purchase order no.:
Quantity: | Tag no.:

**Operating Conditions**

| | | |
|---|---|---|
| Fluid: | | |
| Density: | ≥ 0.54g/cm³, ≤ 1.45g/cm³ | g/cm³: |
| Viscosity: | ≤ 600cSt | cSt: |
| Operating pressure: | max. 50bar(g) @ 20°C *1) | bar(g): |
| *Design pressure:* | " | *bar(g):* |
| Operating temperature: | -80°C ... +400°C *1) | °C: |
| *Design temperature:* | " | *°C:* |
| Connecting Distance "L": | max. 5800mm (one-piece design) | mm: |

**Design and Materials:**

Float chamber: 316/316L — Screws and nuts: A2-70, ISO 3506
Float: Ti alloy (Standard) — type no.: ***37943-2 / -3 / -4***
type no.:

other materials and densities see float selection diagram or on request

Damping spring top and bottom, 1.4401 — No.: 27399

Gaskets:
- Fibre compound Aramid/NBR (<150°C) — Standard ☐
- PTFE, non reinforced, racked (<250°C) ☐
- Graphite incl. reinforcing net in SS 316 (<400°C) ☐

**Process connections:**

**Connection threads:**
- female G1/2" (ISO 7-1 / ISO 228-1), without plug — Standard ☐
- other connection threads see price list

**Indication Rail:**

| | | | |
|---|---|---|---|
| PC, IP65 (<150°C) | Flaps: red-silver | No.: 34837 | Standard ☐ |
| PC, IP68, inert gas (<150°C) | Flaps: red-silver | No.: 41008 | ☐ |
| Al/PC, IP54 (<250°C) | Flaps: red-silver | No.: 34560 | ☐ |
| Al/glass, IP54 (<400°C) | Flaps: black-silver | No.: 37100 | ☐ |
| Special | Flaps: | No.: | |

**Accessories** (installation instructions see spec. no. 20010501)

Fixation bracket, moveable no. 45143-2: dimension "A" [mm]:
Magnetic switch: quantity: type:
Transmitter: resolution [mm]: 5 / **10** type:
measuring length $M_{el.}$ [mm]:
Converter: type:
Further accessories:

**Test reports and certificates:**

EN10204:2004-3.1 certificate for used materials of the float chamber: ☐

**Special executions and notes:**

**Notes:**

*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.

All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.



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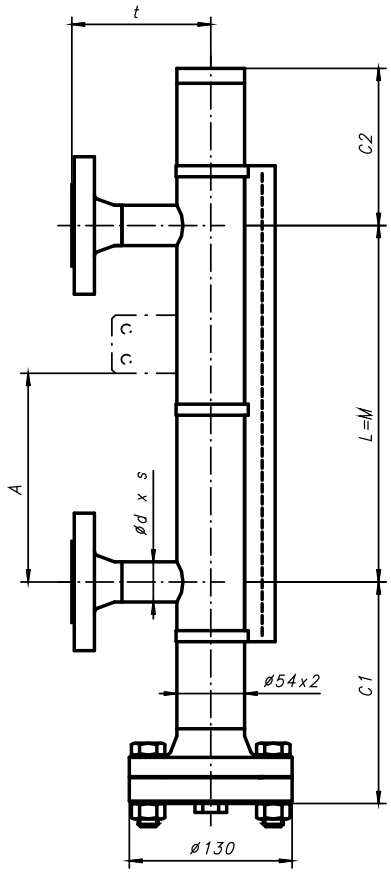
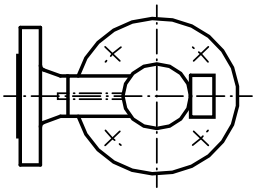
# Standard Series 50 — Type: 32755-K

**Design meets the requirements of PED 2014/68/EU and harmonized standards**



**Float extension lower / upper:**

| | C1: | C2: |
|---|---|---|
| Standard | 190 | 135 |

C1 & C2 shorter or longer, if out of standard range or with damping springs

**Standard flange connections:**

| | EN | ANSI/ISO |
|---|---|---|
| Connection pieces, d*s: | | |
| DN15: | 21.3*2.0 | 21.3*2.0 |
| DN20: | 26.9*2.0 | 26.9*2.0 |
| DN25: | 33.7*2.0 | 33.7*2.0 |
| ≥ DN32 *2): | 33.7*2.0 | 33.7*2.0 |
| Dimension t: | | |
| DN15: | 110 | 124 |
| DN20: | 110 | 127 |
| DN25: | 110 | 132 |
| ≥ DN32 *2): | tba on request 3): | |

**Purchase Order Data:**

Company: | Project:
Purchase order no.:
Quantity: | Tag no.:

**Operating Conditions**

| | | |
|---|---|---|
| Fluid: | | |
| Density: | ≥ 0.54g/cm³, ≤ 1.45g/cm³ | g/cm³: |
| Viscosity: | ≤ 600cSt | cSt: |
| Operating pressure: | max. 50bar(g) @ 20°C *1) | bar(g): |
| *Design pressure:* | " | *bar(g):* |
| Operating temperature: | -80°C ... +400°C *1) | °C: |
| *Design temperature:* | " | *°C:* |
| Connecting Distance "L": | max. 5600mm (one-piece design) | mm: |

**Design and Materials:**

Float chamber: 316/316L — Screws and nuts: A2-70, ISO 3506
Float: Ti alloy (Standard) — type no.: ***37943-2 / -3 / -4***
type no.:

other materials and densities see float selection diagram or on request

Damping spring top and bottom, 1.4401 — No.: 27399

Gaskets:
- Fibre compound Aramid/NBR (<150°C) — Standard
- PTFE, non reinforced, racked (<250°C)
- Graphite incl. reinforcing net in SS 316 (<400°C)

**Process connections:**

**EN-Connecting Flanges acc. EN1092-1 (Standard):** DN15: DN20: DN25:
- EN1092-1/11 B1/DNxx/PN40/316L
- wn-flange, RF, Rz=12,5 … 50µm, turning

**ANSI/class300 (= ISO/PN50) - connecting flanges:**
- ANSI/ASME B16.5 / ISO-DIS7005-1.2, type 11/B1 — ANSI 1/2" resp. ISO DN15 : ANSI 3/4" resp. ISO DN20 : ANSI 1" resp. ISO DN25 :
- wn-flanges, RF SF, Rz=12,5 … 50µm, turning

**Other Connections**

**Drain connection thread (Standard)** (for vent see price list)**:**
G3/8" (ISO7-1/ISO228-1) with plug R3/8" (ISO7-1) and PTFE tape (<=250°C)
G3/8" (ISO7-1/ISO228-1) with plug G3/8" (ISO228-1) and Ni gasket (>250°C)

**Indication Rail:**

| | | | |
|---|---|---|---|
| PC, IP65 (<150°C) | Flaps: red-silver | No.: 34837 | Standard |
| PC, IP68, inert gas (<150°C) | Flaps: red-silver | No.: 41008 | |
| Al/PC, IP54 (<250°C) | Flaps: red-silver | No.: 34560 | |
| Al/glass, IP54 (<400°C) | Flaps: black-silver | No.: 37100 | |
| Special | Flaps: | No.: | |

**Accessories** (installation instructions see spec. no. 20010501)

Fixation bracket, moveable no. 45143-2: dimension "A" [mm]:
Magnetic switch: quantity: type:
Transmitter: resolution [mm]: 5 / **10** type:
measuring length $M_{el.}$ [mm]:
Converter: type:
Further accessories:

**Test reports and certificates:**

EN10204:2004-3.1 certificate for used materials of the float chamber:

**Special executions and notes:**

**Notes:**

*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.
*2) With special reduction flanges.
*3) Depending on size of connecting flanges.
All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.



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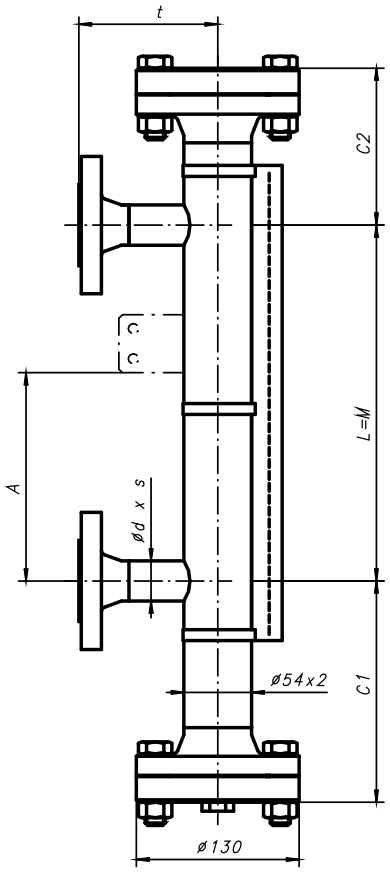
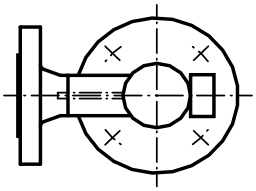
# Standard Series 50 — Type: 32755-O

**Design meets the requirements of PED 2014/68/EU and harmonized standards**



**Float extension lower / upper:**

| | C1: | C2: |
|---|---|---|
| Standard | 190 | 140 |

C1 & C2 shorter or longer, if out of standard range or with damping springs

**Standard flange connections:**

| | EN | ANSI/ISO |
|---|---|---|
| Connection pieces, d*s: | | |
| DN15: | 21.3*2.0 | 21.3*2.0 |
| DN20: | 26.9*2.0 | 26.9*2.0 |
| DN25: | 33.7*2.0 | 33.7*2.0 |
| ≥ DN32 *2): | 33.7*2.0 | 33.7*2.0 |
| Dimension t: | | |
| DN15: | 110 | 124 |
| DN20: | 110 | 127 |
| DN25: | 110 | 132 |
| ≥ DN32 *2): | tba on request 3): | |

**Purchase Order Data:**

Company: | Project:
Purchase order no.:
Quantity: | Tag no.:

**Operating Conditions**

| | | |
|---|---|---|
| Fluid: | | |
| Density: | ≥ 0.54g/cm³, ≤ 1.45g/cm³ | g/cm³: |
| Viscosity: | ≤ 600cSt | cSt: |
| Operating pressure: | max. 50bar(g) @ 20°C *1) | bar(g): |
| *Design pressure:* | " | *bar(g):* |
| Operating temperature: | -80°C ... +400°C *1) | °C: |
| *Design temperature:* | " | *°C:* |
| Connecting Distance "L": | max. 5600mm (one-piece design) | mm: |

**Design and Materials:**

Float chamber: 316/316L — Screws and nuts: A2-70, ISO 3506
Float: Ti alloy (Standard) — type no.: ***37943-2 / -3 / -4***
type no.:

other materials and densities see float selection diagram or on request

Damping spring top and bottom, 1.4401 — No.: 27399

Gaskets:
- Fibre compound Aramid/NBR (<150°C) — Standard
- PTFE, non reinforced, racked (<250°C)
- Graphite incl. reinforcing net in SS 316 (<400°C)

**Process connections:**

**EN-Connecting Flanges acc. EN1092-1 (Standard):** — DN15: DN20: DN25:
- EN1092-1/11 B1/DNxx/PN40/316L
- wn-flange, RF, Rz=12,5 … 50µm, turning

**ANSI/class300 (= ISO/PN50) - connecting flanges:**
- ANSI/ASME B16.5 / ISO-DIS7005-1.2, type 11/B1 — ANSI 3/4" resp. ISO DN20
- wn-flanges, RF SF, Rz=12,5 … 50µm, turning — ANSI 1" resp. ISO DN25

ANSI 1/2" resp. ISO DN15

**Other Connections**

**Drain connection thread (Standard)** (for vent see price list)**:**
G3/8" (ISO7-1/ISO228-1) with plug R3/8" (ISO7-1) and PTFE tape (<=250°C)
G3/8" (ISO7-1/ISO228-1) with plug G3/8" (ISO228-1) and Ni gasket (>250°C)

**Indication Rail:**

| | | | |
|---|---|---|---|
| PC, IP65 (<150°C) | Flaps: red-silver | No.: 34837 | Standard |
| PC, IP68, inert gas (<150°C) | Flaps: red-silver | No.: 41008 | |
| Al/PC, IP54 (<250°C) | Flaps: red-silver | No.: 34560 | |
| Al/glass, IP54 (<400°C) | Flaps: black-silver | No.: 37100 | |
| Special | Flaps: | No.: | |

**Accessories** (installation instructions see spec. no. 20010501)

Fixation bracket, moveable no. 45143-2: dimension "A" [mm]:
Magnetic switch: quantity: type:
Transmitter: resolution [mm]: 5 / **10** type:
measuring length $M_{el.}$ [mm]:
Converter: type:
Further accessories:

**Test reports and certificates:**

EN10204:2004-3.1 certificate for used materials of the float chamber:

**Special executions and notes:**

**Notes:**

*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.
*2) With special reduction flanges.
*3) Depending on size of connecting flanges.
All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.



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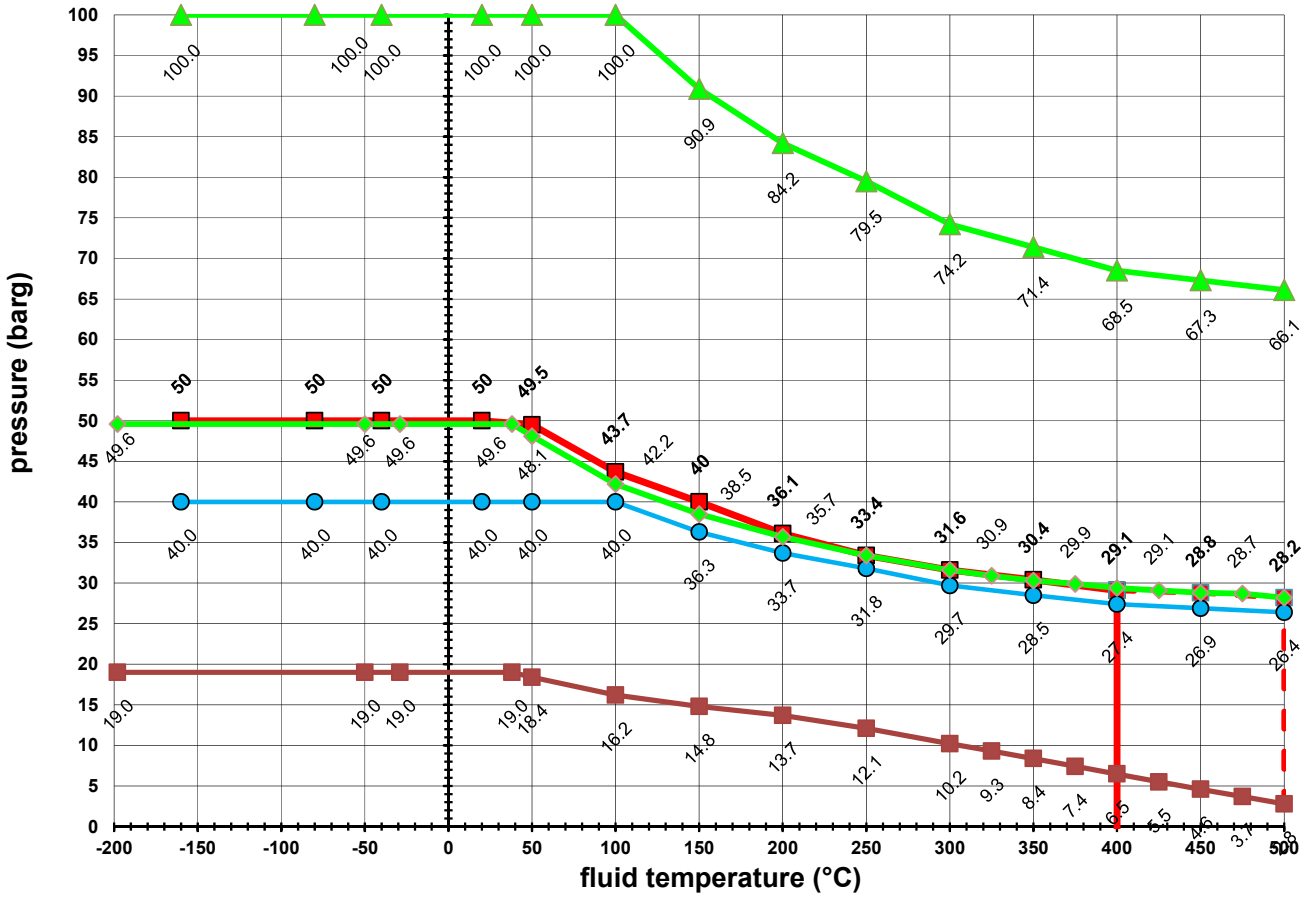
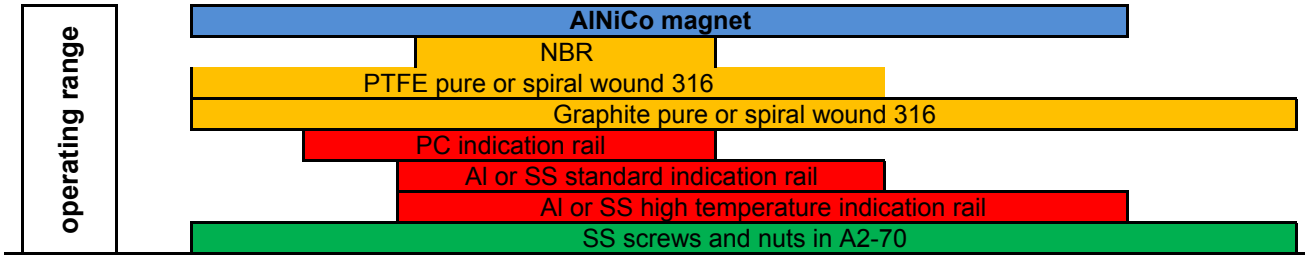
# Pressure-temperature-rating for VLI Standard 50, type 32755

**Max. 50bar(g) @ 20°C, up to max. 500°C for VLI bypass float chamber in SS EN 1.4401, 1.4436 & 1.4404, 1.4435 resp. ANSI 316&316L**




- VLI StandardLine 50
  all types 32755 (-A, -B, -K, -O)
- Additional range of float chamber
  without float and magnet
- ANSI B16.5 class150 flanges
  ISO 7005-1 PN20
  Double certified 316&316L
  Material group 2.2 resp. 2A2
- EN 1092-1 PN40 flanges
  Double certified 1.4401/1.4436 &
  1.4404/1.4435
  Material group 13E0 & 14E0
- ANSI B16.5 class300 flanges
  ISO 7005-1 PN50
  Double certified 316&316L
  Material group 2.2 resp. 2A2
- EN 1092-1 PN100 flanges
  Double certified 1.4401/1.4436 &
  1.4404/1.4435
  Material group 13E0 & 14E0




**Other flanges on request**

**Notes:**

- **EN1092-1 flanges PN25 and PN40 up to DN150 have identical interface dimensions**
- **Tolerated max pressure @ specified temperature of the VLI is given either by the bypass tube or by the connection flanges**
  **--- Lower value sets the limitation! ---**



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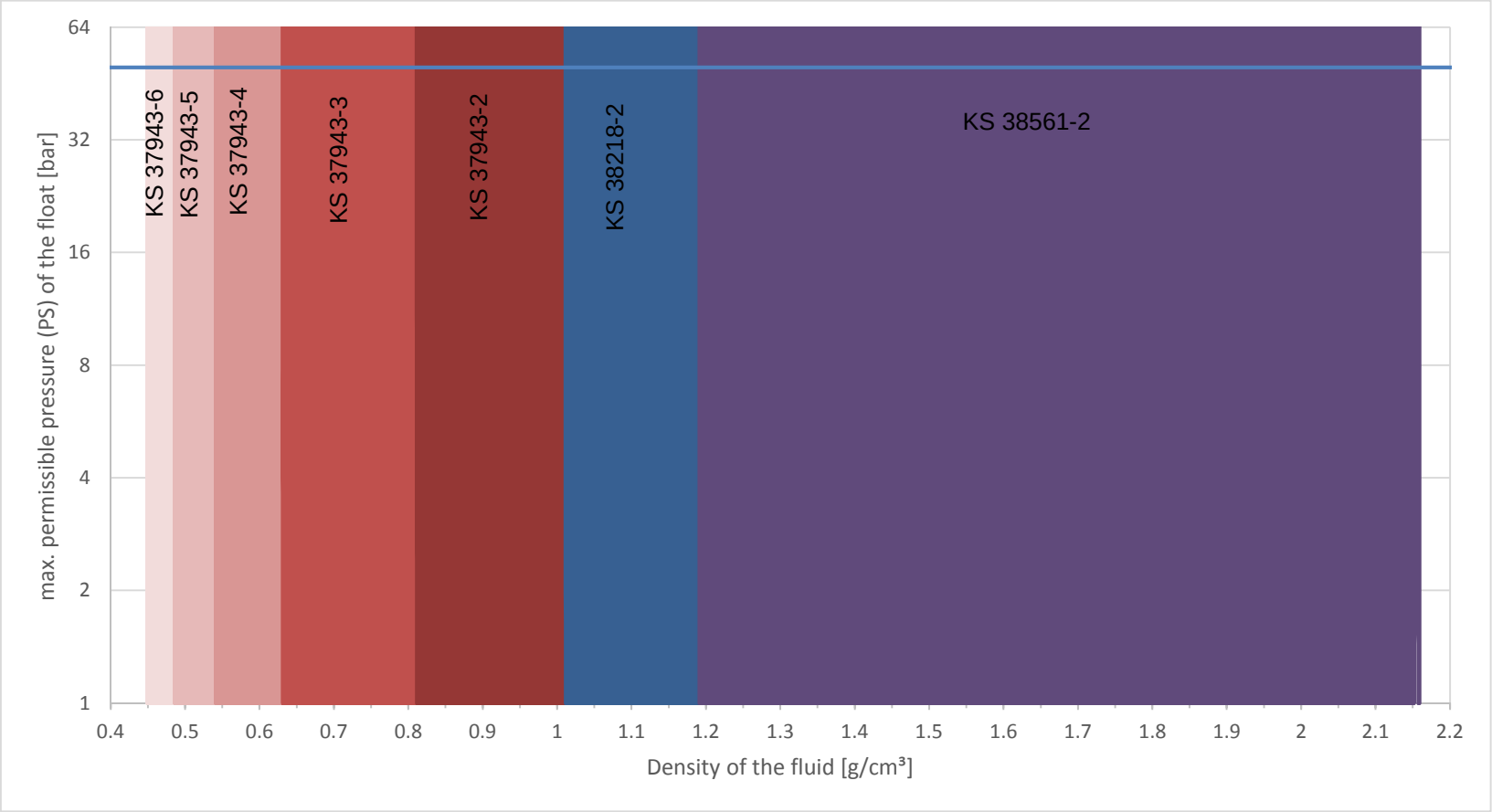
# Float selection diagram

## VLI Typ 32755, Standad Line 50

These data apply for an operating temperature of Ò20°C.
For higher operating temperatures, please check the max. permissible float pressure on the respective data sheet.




Limit of application:
VLI @ 20°C
Observe P-T diagram!

Comments:

KS = ball float  Example 37943-X = number of balls  Material = Titan Alloy
Interior diameter of the float chamber = 50.0mm
For steam or condensate applications, please check the use of damping springs
Additional charge for densities < 0.54g/cm³ due to extended length of bottom float run-out and ball float with more than 4 balls
Additional charge for densities > 1.45g/cm³ due to ball float



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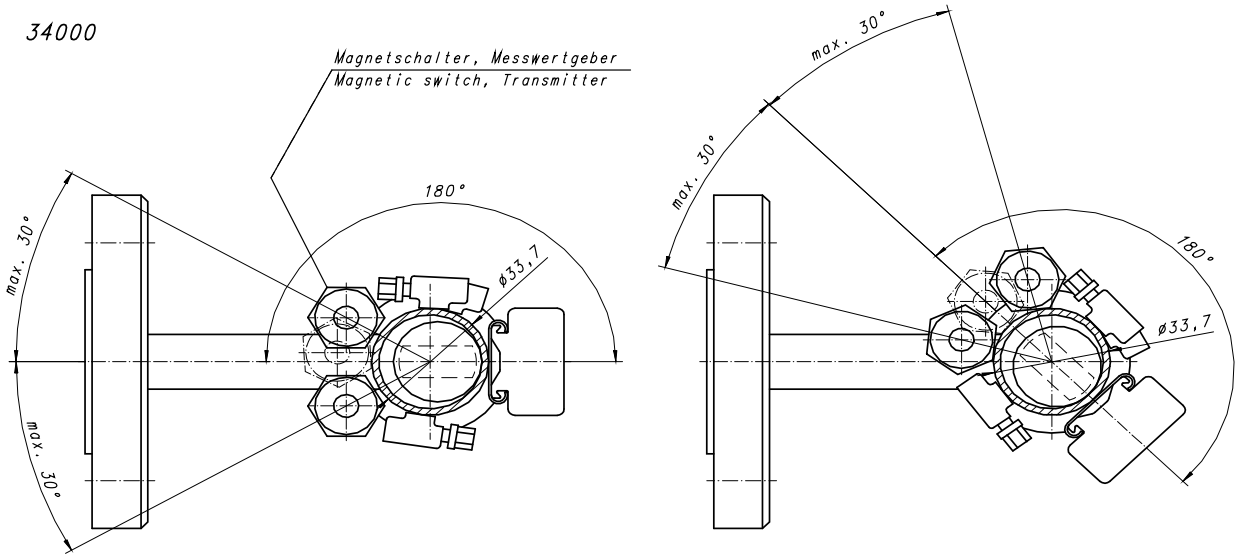
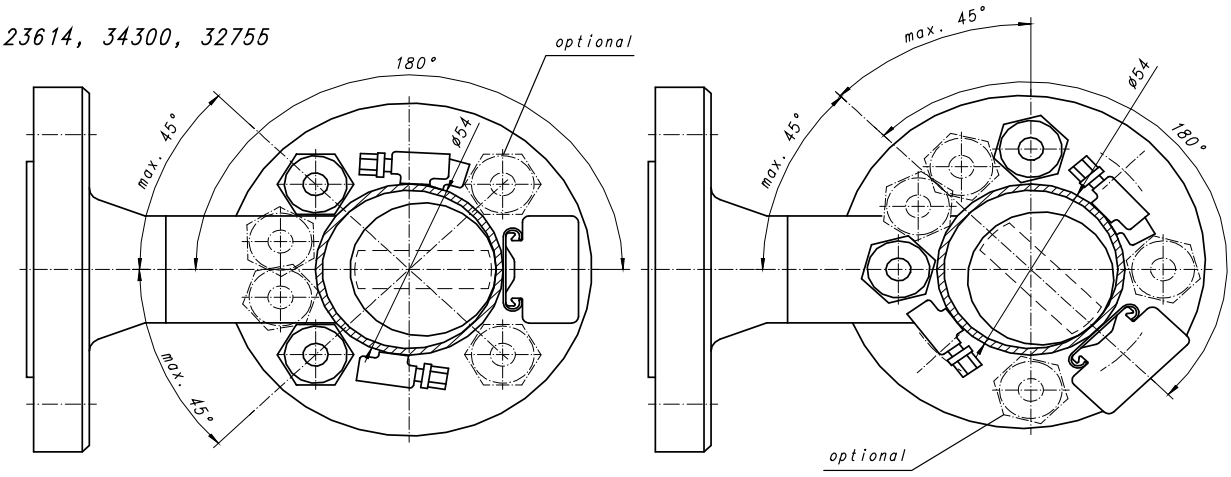
**Mounting** **Standard:** **Valid is the indicated switching function on the type label (float below switch)**
**Installation 180 °C opposite of the indication rail with the permitted tolerance according to the tube diameter**
**Cable exit downwards**

**Variation:** **Each of the following variants leads to a reversion of the indicated switching logic:**
**Mounting with cable exit upwards**
**Mounting adjacent to the indication rail**

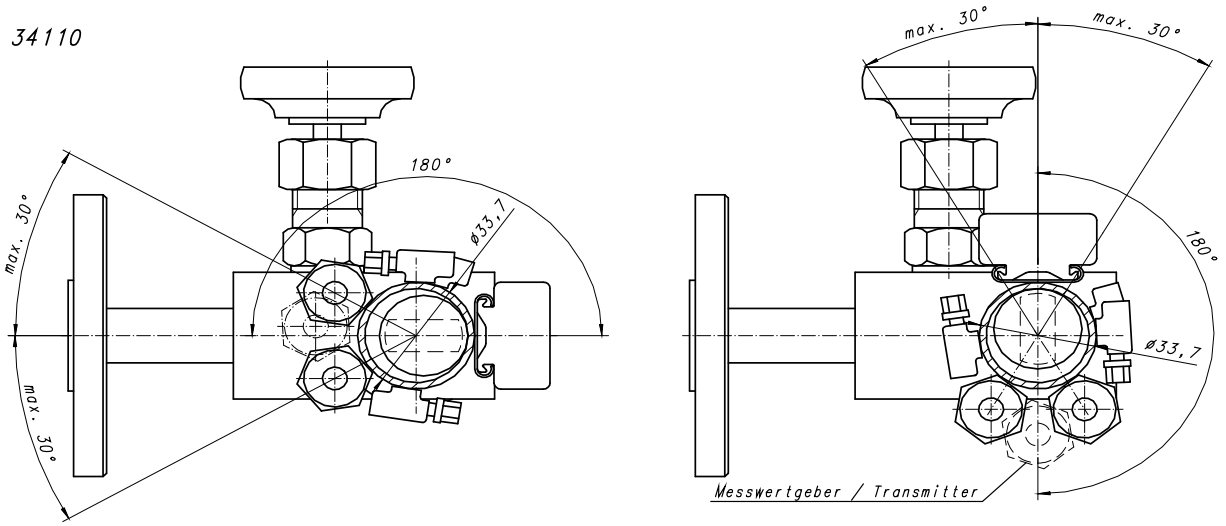
34000




23614, 34300, 32755




34110



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