

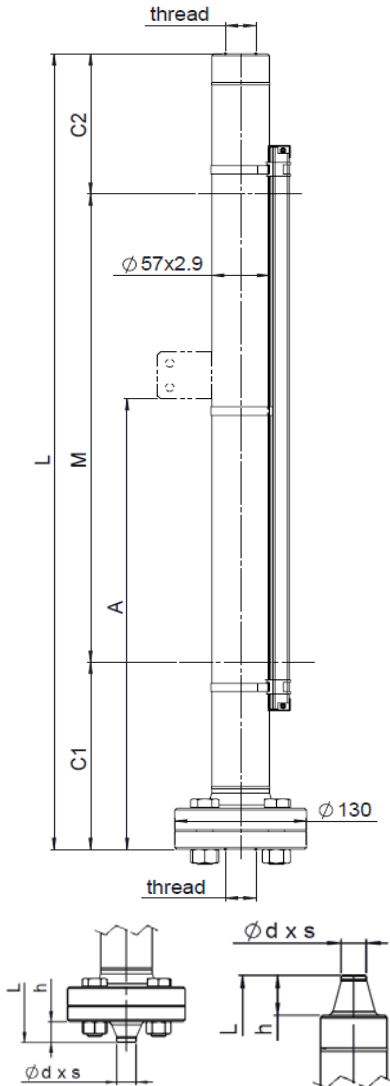
Visual Level Indicators (VLI) High Pressure Line

Series	Type	Material	Pipe O.D. x s (mm)	Operating Pressure	Operating Temperature	Page
High Pressure Line 80	36800-A	316&316L	57.0 x 2.9	max. 80bar@20°C	-80...400°C	2
"	36800-B	"	"	"	"	3
"	36800-K	"	"	"	"	4
"	36800-O	"	"	"	"	5
"	Pressure Temperature Rating for High Pressure Line 80					6
"	Float selection diagram for High Pressure Line 80					7
High Pressure Line 100	26411-A	316&316L	57.0 x 2.9	max. 100bar@20°C	-80...400°C	8
"	26411-B	"	"	"	"	9
"	26411-K	"	"	"	"	10
"	26411-O	"	"	"	"	11
"	Pressure Temperature Rating for High Pressure Line 100					12
"	Float selection diagram for High Pressure Line 100					13
High Pressure Line 150	25683-A	316&316L	60.33 x 3.91	max. 150bar@20°C	-80...400°C	14
"	25683-B	"	"	"	"	15
"	25683-K	"	"	"	"	16
"	25683-O	"	"	"	"	17
"	Pressure Temperature Rating for High Pressure Line 150					18
"	Float selection diagram for High Pressure Line 150					19
High Pressure Line 200	32806-A	316&316L	60.3 x 5.0	max. 200bar@20°C	-80...400°C	20
"	32806-B	"	"	"	"	21
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"	Pressure Temperature Rating for High Pressure Line 200					24
"	Float selection diagram for High Pressure Line 200					25
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High Pressure Line 80

Type: 36800-A

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



Float extension lower / upper:

	C1:	C2:
Standard	200	150
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:	≥ 0.55g/cm ³	g/cm ³ :	
Viscosity:	≤ 600cSt	cSt:	
Operating pressure:	max. 80bar(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

standard execution:	
Float chamber:	316&316L
Float:	Ti-alloy type no.: <input type="text"/>

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401	No.: 27399	top <input type="checkbox"/>	bottom <input type="checkbox"/>
Gaskets:	Graphite incl. reinforcing net in ss 316/316L (≤ 400°C) Standard <input type="checkbox"/>		
	Spiral wound gasket Graphit & 316 (≤ 400°C) <input type="checkbox"/>		

Process Connections

- Female thread acc. ISO7-1 resp. ISO 228-1, without plug	Rp1/2" resp. G1/2" :	<input type="checkbox"/>
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug	Rp3/4" resp. G3/4" :	<input type="checkbox"/>
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug	Rp1" resp. G1" :	<input type="checkbox"/>
- Female thread acc. ANSI, without plug	NPT 1/2" :	<input type="checkbox"/>
- Female thread acc. ANSI, without plug	NPT 3/4" :	<input type="checkbox"/>
- Female thread acc. ANSI, without plug	NPT 1" :	<input type="checkbox"/>
- Butt weld ends acc. to ISO/EN; 21.3 x 2.0mm; h = 25mm	DN15:	<input type="checkbox"/>
- Butt weld ends acc. to ISO/EN; 26.9 x 2.6mm; h = 26mm	DN20:	<input type="checkbox"/>
- Butt weld ends acc. to ISO/EN; 33.7 x 2.6mm; h = 34mm	DN25:	<input type="checkbox"/>
- Butt weld ends acc. to ANSI B.36.10; 21.34 x 2.77mm; h = 38mm	1/2" (Sch40):	<input type="checkbox"/>
- Butt weld ends acc. to ANSI B.36.10; 26.67 x 2.87mm; h = 41.5mm	3/4" (Sch40):	<input type="checkbox"/>
- Butt weld ends acc. to ANSI B.36.10; 33.40 x 3.38mm; h = 44.5mm	1" (Sch40):	<input type="checkbox"/>

Other Connections

<input type="text"/>

Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936:	Quantity:	Dim. "A" [mm]:	<input type="text"/>
Magnetic switch:	Quantity:	Type:	<input type="text"/>
Transmitter:	Resolution [mm]:	Type:	5 / 10 <input type="text"/>
Electrical measuring length Mel [mm]:	<input type="text"/>		
Converter:	Type:	<input type="text"/>	
Additional accessories:	<input type="text"/>		

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED	<input type="checkbox"/>
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Special Executions & Additional Notes

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Notes:

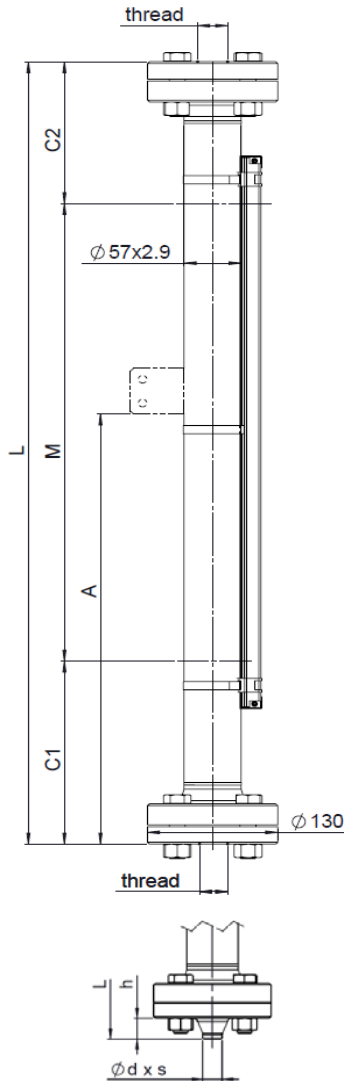
- *1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation! Test pressure will be specified according to WEKA specification AW 2.1.2.

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

High Pressure Line 80

Type: 36800-B

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



Float extension lower / upper:

	C1:	C2:
Standard	200	155

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:	≥ 0.55g/cm ³	g/cm ³ :	
Viscosity:	≤ 600cSt	cSt:	
Operating pressure:	max. 80bar(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

standard execution:		
Float chamber:	316&316L	
Float:	Ti-alloy	type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401	No.: 27399	top <input type="checkbox"/>	bottom <input type="checkbox"/>
Gaskets:	Graphite incl. reinforcing net in ss 316/316L (≤ 400°C) Standard <input type="checkbox"/>		
	Spiral wound gasket Graphit & 316 (≤ 400°C) <input type="checkbox"/>		

Process Connections

- Female thread acc. ISO7-1 resp. ISO 228-1, without plug	Rp1/2" resp. G1/2" :	<input type="checkbox"/>
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug	Rp3/4" resp. G3/4" :	<input type="checkbox"/>
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug	Rp1" resp. G1" :	<input type="checkbox"/>
- Female thread acc. ANSI, without plug	NPT 1/2" :	<input type="checkbox"/>
- Female thread acc. ANSI, without plug	NPT 3/4" :	<input type="checkbox"/>
- Female thread acc. ANSI, without plug	NPT 1" :	<input type="checkbox"/>
- Butt weld ends acc. to ISO/EN; 21.3 x 2.0mm; h = 25mm	DN15:	<input type="checkbox"/>
- Butt weld ends acc. to ISO/EN; 26.9 x 2.6mm; h = 26mm	DN20:	<input type="checkbox"/>
- Butt weld ends acc. to ISO/EN; 33.7 x 2.6mm; h = 34mm	DN25:	<input type="checkbox"/>
- Butt weld ends acc. to ANSI B.36.10; 21.34 x 2.77mm; h = 38mm	1/2" (Sch40):	<input type="checkbox"/>
- Butt weld ends acc. to ANSI B.36.10; 26.67 x 2.87mm; h = 41.5mm	3/4" (Sch40):	<input type="checkbox"/>
- Butt weld ends acc. to ANSI B.36.10; 33.40 x 3.38mm; h = 44.5mm	1" (Sch40):	<input type="checkbox"/>

Other Connections

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Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936:	Quantity:	Dim. "A" [mm]:	<input type="text"/>
Magnetic switch:	Quantity:	Type:	<input type="text"/>
Transmitter:	Resolution [mm]:	Type:	<input type="text"/>
Electrical measuring length Mel [mm]:	<input type="text"/>		
Converter:	Type:	<input type="text"/>	
Additional accessories:	<input type="text"/>		

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED	<input type="checkbox"/>
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Special Executions & Additional Notes

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Notes:

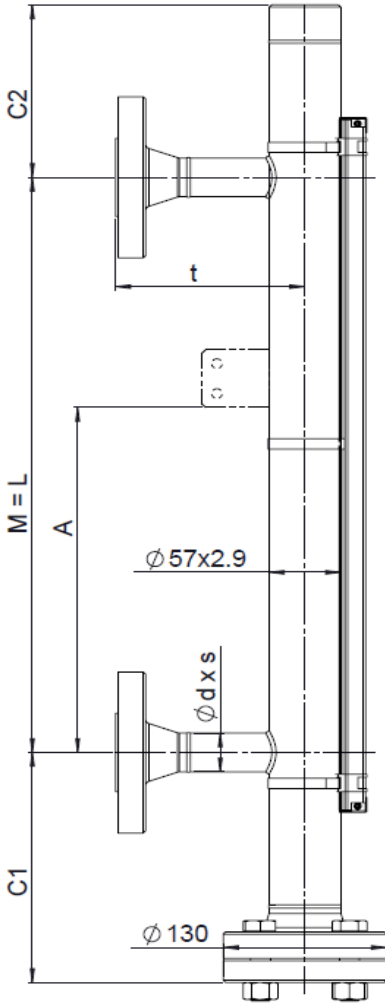
*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation!
Test pressure will be specified according to WEKA specification AW 2.1.2.

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

High Pressure Line 80

Type: 36800-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: $\geq 0.55\text{g/cm}^3$ g/cm^3
 Viscosity: $\leq 600\text{cSt}$ cSt
 Operating pressure: max. 80bar(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

standard execution:
 Float chamber: 316&316L
 Float: Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom
 Gaskets: Graphite incl. reinforcing net in ss 316/316L ($\leq 400^\circ\text{C}$) Standard
 Spiral wound gasket Graphit & 316 ($\leq 400^\circ\text{C}$)

Process Connections

EN-Connecting Flanges acc. EN1092-1 (Standard): DN15:
 - EN1092-1/11 B1/DNxx/PN100/316L DN20:
 - wn-flange, RF, Rz=12,5 ... 50µm, turned DN25:

ANSI/class600 (= ISO/PN100) - 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-flange, RF SF, Rz=12,5 ... 50µm, turned ANSI 1" resp. ISO DN25 :

Other Connections

Float extension lower / upper:

	C1:	C2:
Standard	200	150

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

Standard Flange Connections:

	DIN/EN	ANSI/ISO
Connection pieces, d*s:		
DN15:	21.3*2.65	21.34*2.77
DN20:	26.9*2.6	26.67*2.87
DN25:	33.7*3.2	33.40*3.38
\geq DN32 *2):	33.7*3.2	33.40*3.38
Dimension t / Dimension tt (w/o Flange):		
DN15:	150 / 105	150 / 91.3
DN20:	150 / 102	150 / 86
DN25:	150 / 93	150 / 81.6
\geq DN32 *2):		tba *3)

Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936: Dim. "A" [mm]:
 Magnetic switch: Quantity: Type:
 Transmitter: Resolution [mm]: 5 / 10 Type:
 Electrical measuring length Mel [mm]:
 Converter: Type:
 Additional accessories:

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

Special Executions & Additional 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.

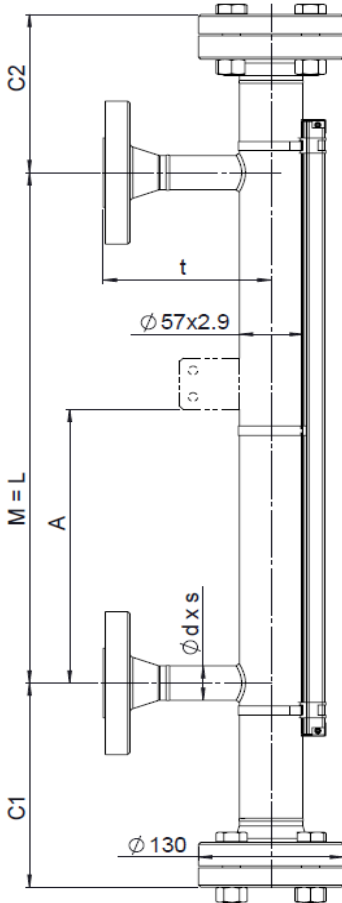
*3) Depending on size of connecting flanges.

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

High Pressure Line 80

Type: 36800-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: $\geq 0.55\text{g/cm}^3$ g/cm³:
 Viscosity: $\leq 600\text{cSt}$ cSt:
 Operating pressure: max. 80bar(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

standard execution:
 Float chamber: 316&316L
 Float: Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom
 Gaskets: Graphite incl. reinforcing net in ss 316/316L ($\leq 400^\circ\text{C}$) Standard
 Spiral wound gasket Graphit & 316 ($\leq 400^\circ\text{C}$)

Process Connections

EN-Connecting Flanges acc. EN1092-1 (Standard): DN15:
 - EN1092-1/11 B1/DNxx/PN100/316L DN20:
 - wn-flange, RF, Rz=12,5 ... 50µm, turned DN25:
ANSI/class600 (= ISO/PN100) - 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-flange, RF SF, Rz=12,5 ... 50µm, turned ANSI 1" resp. ISO DN25 :

Other Connections

Float extension lower / upper:

	C1:	C2:
Standard	200	155

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

Standard Flange Connections:

	DIN/EN	ANSI/ISO
Connection pieces, d*s:		
DN15:	21.3*2.65	21.34*2.77
DN20:	26.9*2.6	26.67*2.87
DN25:	33.7*3.2	33.40*3.38
>= DN32 *2):	33.7*3.2	33.40*3.38
Dimension t / Dimension tt (w/o Flange):		
DN15:	150 / 105	150 / 91.3
DN20:	150 / 102	150 / 86
DN25:	150 / 93	150 / 81.6
>= DN32 *2):		tba *3)

Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936: Dim. "A" [mm]:
 Magnetic switch: Quantity: Type:
 Transmitter: Resolution [mm]: 5 / 10 Type:
 Electrical measuring length Mel [mm]:
 Converter: Type:
 Additional accessories:

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

Special Executions & Additional 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.

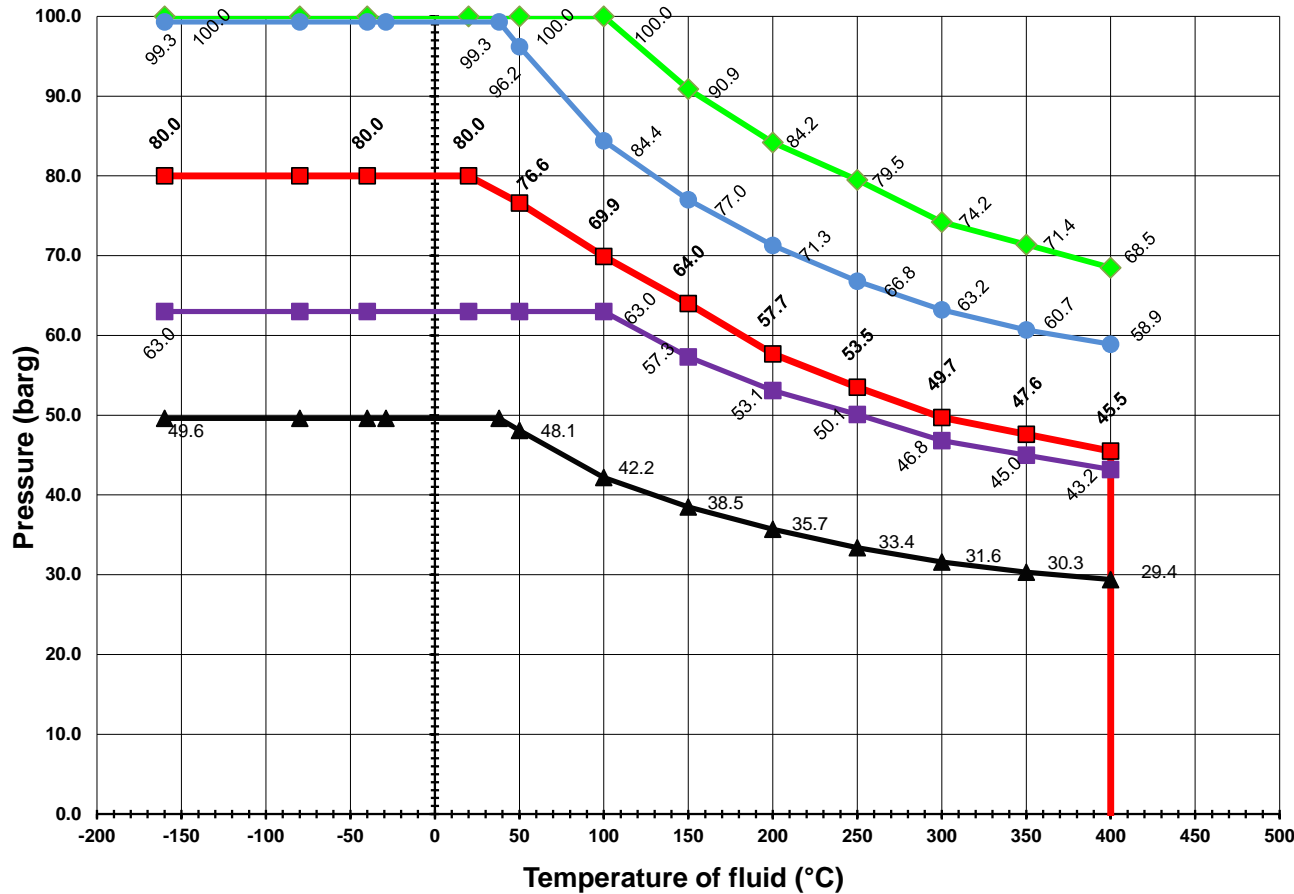
*2) With special reduction flanges.

*3) Depending on size of connecting flanges.

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

Pressure-temperature-rating for VLI High Pressure Line 80, type 36800

Max. 80bar(g) @ 20°C, up to max. 400°C for VLI bypass float chamber in SS EN 1.4401, 1.4436 & 1.4404, 1.4435 resp. ANSI 316&316L

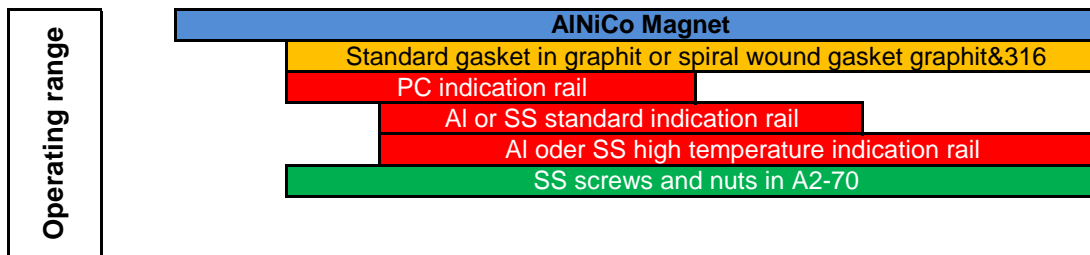


- VLI High-Pressure Line PN80
all types 36800 (-A, -B, -K, -O)
- EN 1092-1:2013 PN63 flange
double certified 1.4401/1.4436 & 1.4404/1.4435
Material group 14E0
- ◆ EN 1092-1:2013 PN100 flange
double certified 1.4401/1.4436 & 1.4404/1.4435
Material group 14E0
- ▲ ASME B16.5:2013 class300 flange
double certified 316&316L
Material group 2.2 resp. 2A2
- ASME B16.5:2013 class600 flange
double certified 316&316L
Material group 2.2 resp. 2A2

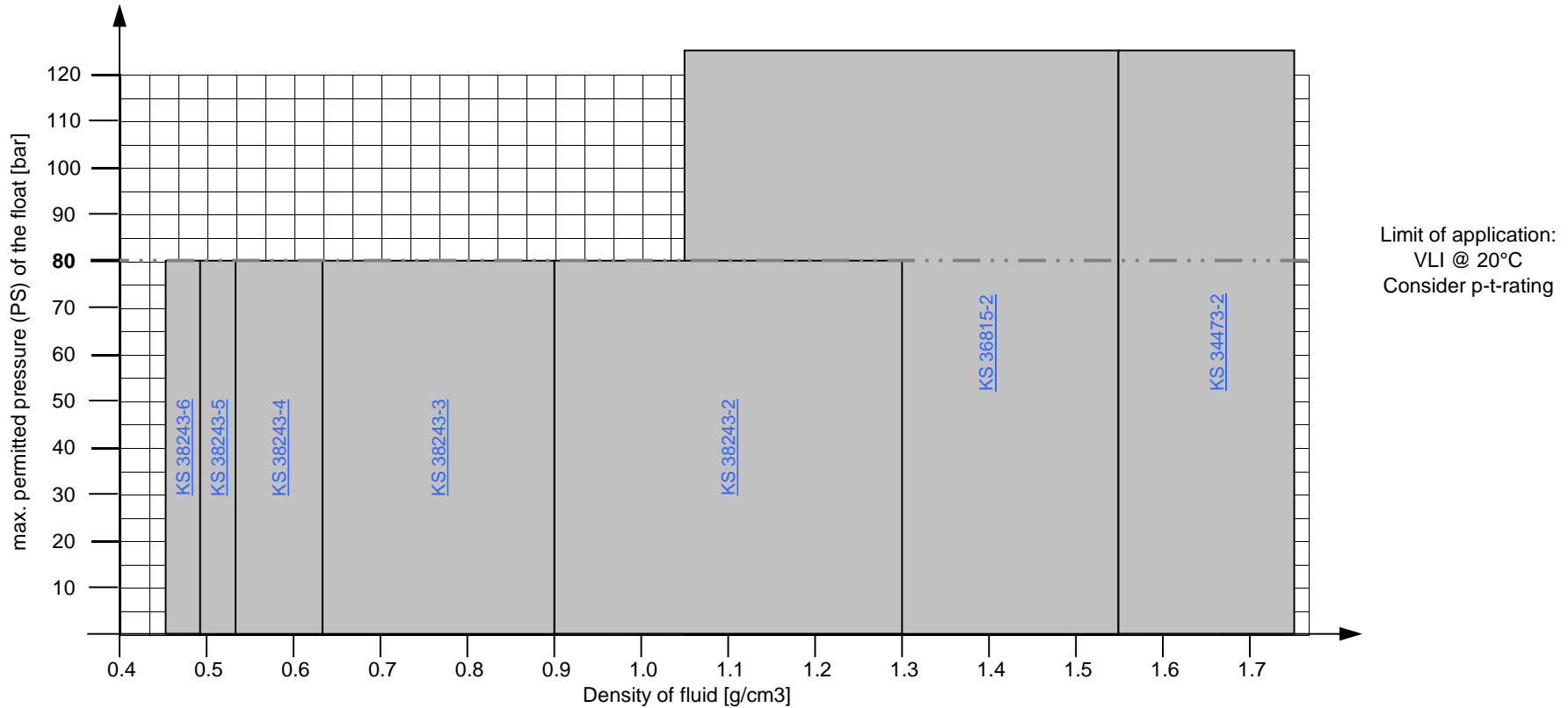
Other flanges on request

Notes:

- EN1092-1:2013 flange PN63 and PN100 up to DN100 use identical interface dimensions. WEKA will use generally PN100 flanges.
- 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! ---



These data apply for an operating temperature of $\leq 20^{\circ}\text{C}$.
 For higher operating temperatures, please check the max. permitted float pressure on the respective data sheet.



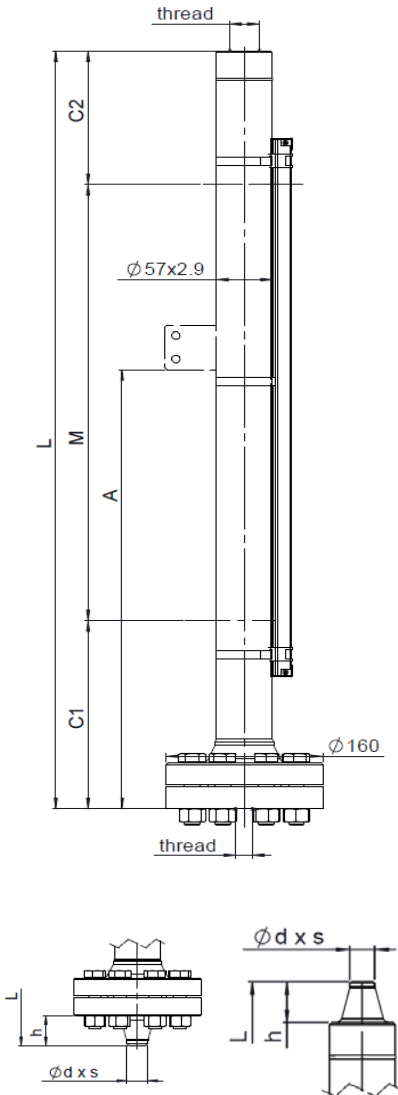
Comments:

KS = ball float Example: 38243-X (X = number of balls) Material = Titanium alloy
 Interior diameter of the float chamber = 51.2mm
 For steam or condensate applications, please check the use of damping springs
 Additional charge for densities $< 0.55\text{g/cm}^3$ due to extended length of bottom float run-out and ball float with more than 4 balls

High Pressure Line 100

Type: 26411-A

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



Float extension lower / upper:

	C1:	C2:
Standard	200	150

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:	≥ 0.55g/cm ³ g/cm ³ :
Viscosity:	≤ 600cSt cSt:
Operating pressure:	max. 100bar(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:

standard execution:	
Float chamber:	316&316L
Float:	Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401	No.: 27399	top <input type="checkbox"/>	bottom <input type="checkbox"/>
Gaskets:	Graphite incl. reinforcing net in ss 316/316L (≤ 400°C) Standard <input type="checkbox"/>		
	Spiral wound gasket Graphit & 316 (≤ 400°C) <input type="checkbox"/>		

Process Connections

- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp1/2" resp. **G1/2"**:
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp3/4" resp. **G3/4"**:
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp1" resp. **G1"**:
- Female thread acc. ANSI, without plug **NPT 1/2"**:
- Female thread acc. ANSI, without plug **NPT 3/4"**:
- Female thread acc. ANSI, without plug **NPT 1"**:
- Butt weld ends acc. to ISO/EN; 21.3 x 2.0mm; h = 25mm DN15:
- Butt weld ends acc. to ISO/EN; 26.9 x 2.6mm; h = 26mm DN20:
- Butt weld ends acc. to ISO/EN; 33.7 x 2.6mm; h = 34mm DN25:
- Butt weld ends acc. to ANSI B.36.10; 21.34 x 2.77mm; h = 38mm 1/2" (Sch40):
- Butt weld ends acc. to ANSI B.36.10; 26.67 x 2.87mm; h = 41.5mm 3/4" (Sch40):
- Butt weld ends acc. to ANSI B.36.10; 33.40 x 3.38mm; h = 44.5mm 1" (Sch40):

Other Connections

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Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard <input type="checkbox"/>
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	
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936:	Quantity:	Dim. "A" [mm]:
Magnetic switch:	Quantity:	Type:
Transmitter:	Resolution [mm]:	Type:
Electrical measuring length Mel [mm]:		
Converter:	Type:	
Additional accessories:		

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

Special Executions & Additional Notes

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Notes:

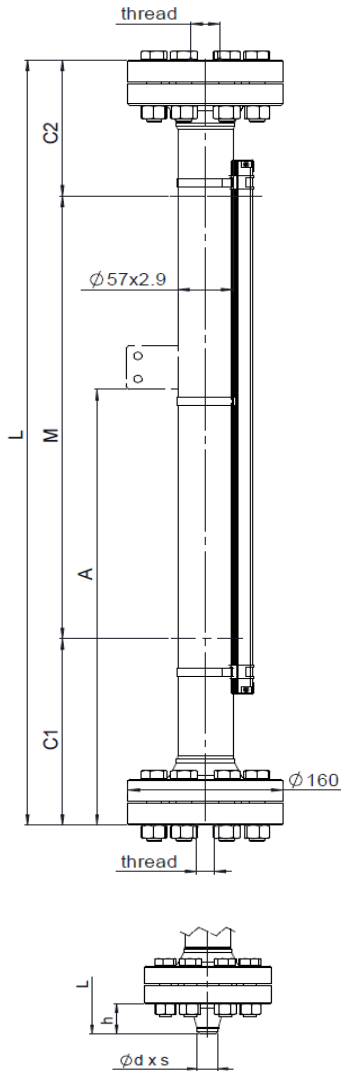
- *1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation!
Test pressure will be specified according to WEKA specification AW 2.1.2.

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

High Pressure Line 100

Type: 26411-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: $\geq 0.55\text{g/cm}^3$ g/cm^3 :
 Viscosity: $\leq 600\text{cSt}$ cSt :
 Operating pressure: max. 100bar(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:

standard execution:
 Float chamber: 316&316L
 Float: Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom
 Gaskets: Graphite incl. reinforcing net in ss 316/316L ($\leq 400^\circ\text{C}$) Standard
 Spiral wound gasket Graphit & 316 ($\leq 400^\circ\text{C}$)

Process Connections

- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp1/2" resp. **G1/2"**:
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp3/4" resp. **G3/4"**:
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp1" resp. **G1"**:
- Female thread acc. ANSI, without plug **NPT 1/2"**:
- Female thread acc. ANSI, without plug **NPT 3/4"**:
- Female thread acc. ANSI, without plug **NPT 1"**:
- Butt weld ends acc. to ISO/EN; 21.3 x 2.0mm; h = 25mm DN15:
- Butt weld ends acc. to ISO/EN; 26.9 x 2.6mm; h = 26mm DN20:
- Butt weld ends acc. to ISO/EN; 33.7 x 2.6mm; h = 34mm DN25:
- Butt weld ends acc. to ANSI B.36.10; 21.34 x 2.77mm; h = 38mm 1/2" (Sch40):
- Butt weld ends acc. to ANSI B.36.10; 26.67 x 2.87mm; h = 41.5mm 3/4" (Sch40):
- Butt weld ends acc. to ANSI B.36.10; 33.40 x 3.38mm; h = 44.5mm 1" (Sch40):

Other Connections

Float extension lower / upper:

	C1:	C2:
Standard	200	165

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 <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936: Dim. "A" [mm]:
 Magnetic switch: Quantity: Type:
 Transmitter: Resolution [mm]: **5 / 10** Type:
 Electrical measuring length Mel [mm]:
 Converter: Type:
 Additional accessories:

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

Special Executions & Additional Notes

Notes:

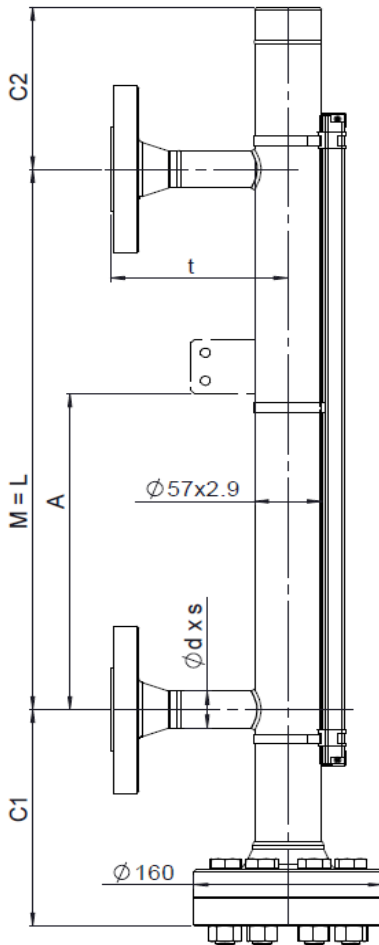
- *1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation!
 Test pressure will be specified according to WEKA specification AW 2.1.2.

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

High Pressure Line 100

Type: 26411-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: $\geq 0.55\text{g/cm}^3$ g/cm^3 :
 Viscosity: $\leq 600\text{cSt}$ cSt :
 Operating pressure: max. 100bar(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:

standard execution:
 Float chamber: 316&316L
 Float: Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom
 Gaskets: Graphite incl. reinforcing net in ss 316/316L ($\leq 400^\circ\text{C}$) Standard
 Spiral wound gasket Graphit & 316 ($\leq 400^\circ\text{C}$)

Process Connections

EN-Connecting Flanges acc. EN1092-1 (Standard): DN15:
 - EN1092-1/11 B1/DNxx/PN100/316L DN20:
 - wn-flange, RF, Rz=12,5 ... 50µm, turned DN25:

ANSI/class600 (= ISO/PN100) - 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-flange, RF SF, Rz=12,5 ... 50µm, turned ANSI 1" resp. ISO DN25 :

Other Connections

Float extension lower / upper:

	C1:	C2:
Standard	200	150

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

Standard Flange Connections:

	DIN/EN	ANSI/ISO
Connection pieces, d*s:		
DN15:	21.3*2.6	21.34*2.77
DN20:	26.9*2.6	26.67*2.87
DN25:	33.7*3.2	33.40*3.38
>= DN32 *2):	33.7*3.2	33.40*3.38
Dimension t / Dimension tt (w/o Flange):		
DN15:	150 / 105	150 / 91.3
DN20:	150 / 102	150 / 86
DN25:	150 / 93	150 / 81.6
>= DN32 *2):		tba *3)

Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936: Dim. "A" [mm]:
 Magnetic switch: Quantity: Type:
 Transmitter: Resolution [mm]: 5 / 10 Type:
 Electrical measuring length Mel [mm]:
 Converter: Type:
 Additional accessories:

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

Special Executions & Additional 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.

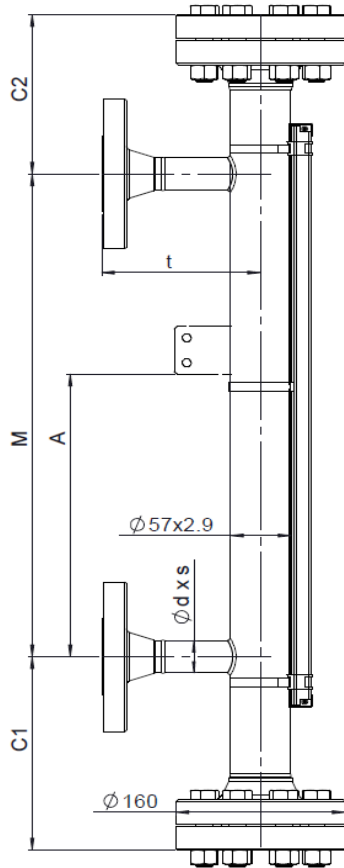
*3) Depending on size of connecting flanges.

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

High Pressure Line 100

Type: 26411-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: $\geq 0.55\text{g/cm}^3$ g/cm^3
 Viscosity: $\leq 600\text{cSt}$ cSt
 Operating pressure: max. 100bar(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:

standard execution:
 Float chamber: 316&316L
 Float: Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom
 Gaskets: Graphite incl. reinforcing net in ss 316/316L ($\leq 400^\circ\text{C}$) Standard
 Spiral wound gasket Graphit & 316 ($\leq 400^\circ\text{C}$)

Process Connections

EN-Connecting Flanges acc. EN1092-1 (Standard): DN15:
 - EN1092-1/11 B1/DNxx/PN100/316L DN20:
 - wn-flange, RF, Rz=12,5 ... 50µm, turned DN25:

ANSI/class600 (= ISO/PN100) - 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-flange, RF SF, Rz=12,5 ... 50µm, turned ANSI 1" resp. ISO DN25 :

Other Connections

Float extension lower / upper:

	C1:	C2:
Standard	200	165

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

Standard Flange Connections:

	DIN/EN	ANSI/ISO
Connection pieces, d*s:		
DN15:	21.3*2.6	21.34*2.77
DN20:	26.9*2.6	26.67*2.87
DN25:	33.7*3.2	33.40*3.38
>= DN32 *2):	33.7*3.2	33.40*3.38
Dimension t / Dimension tt (w/o Flange):		
DN15:	150 / 105	150 / 91.3
DN20:	150 / 102	150 / 86
DN25:	150 / 93	150 / 81.6
>= DN32 *2):		tba *3)

Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936: Dim. "A" [mm]:
 Magnetic switch: Quantity: Type:
 Transmitter: Resolution [mm]: 5 / 10 Type:
 Electrical measuring length Mel [mm]:
 Converter: Type:
 Additional accessories:

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

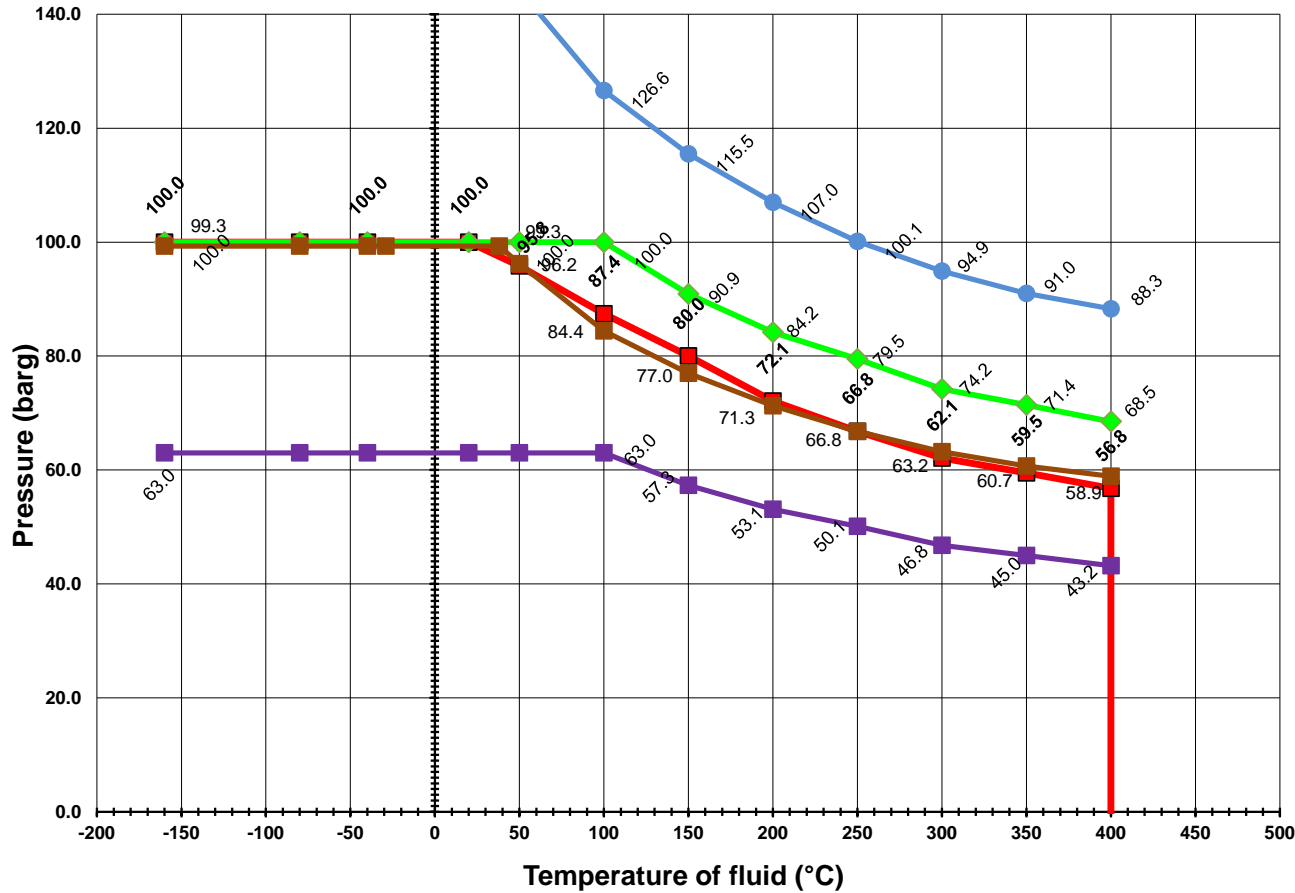
Special Executions & Additional Notes

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.

Pressure-temperature-rating for VLI High Pressure Line 100, type 26411

Max. 100bar(g) @ 20°C, up to max. 400°C for VLI bypass float chamber in SS EN 1.4401, 1.4436 & 1.4404, 1.4435 resp. ANSI 316&316L

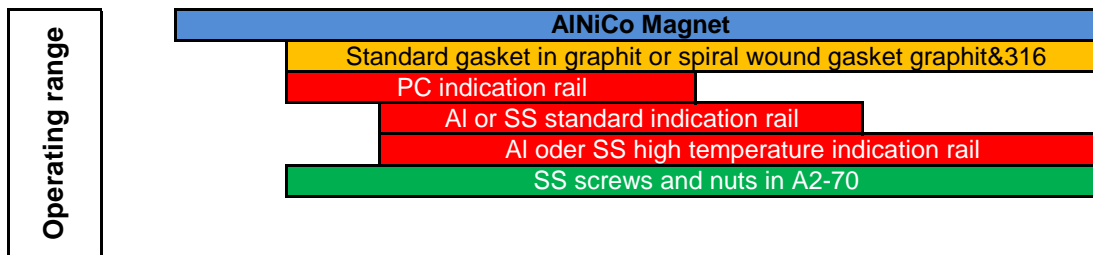


- VLI High-Pressure Line PN100
all types 26411 (-A, -B, -K, -O)
- EN 1092-1:2013 PN63 flange
double certified 1.4401/1.4436 & 1.4404/1.4435
Material group 14E0
- ◆ EN 1092-1:2013 PN100 flange
double certified 1.4401/1.4436 & 1.4404/1.4435
Material group 14E0
- ASME B16.5:2013 class600 flange
double certified 316&316L
Material group 2.2 resp. 2A2
- ASME B16.5:2013 class900 flange
double certified 316&316L
Material group 2.2 resp. 2A2

Other flanges on request

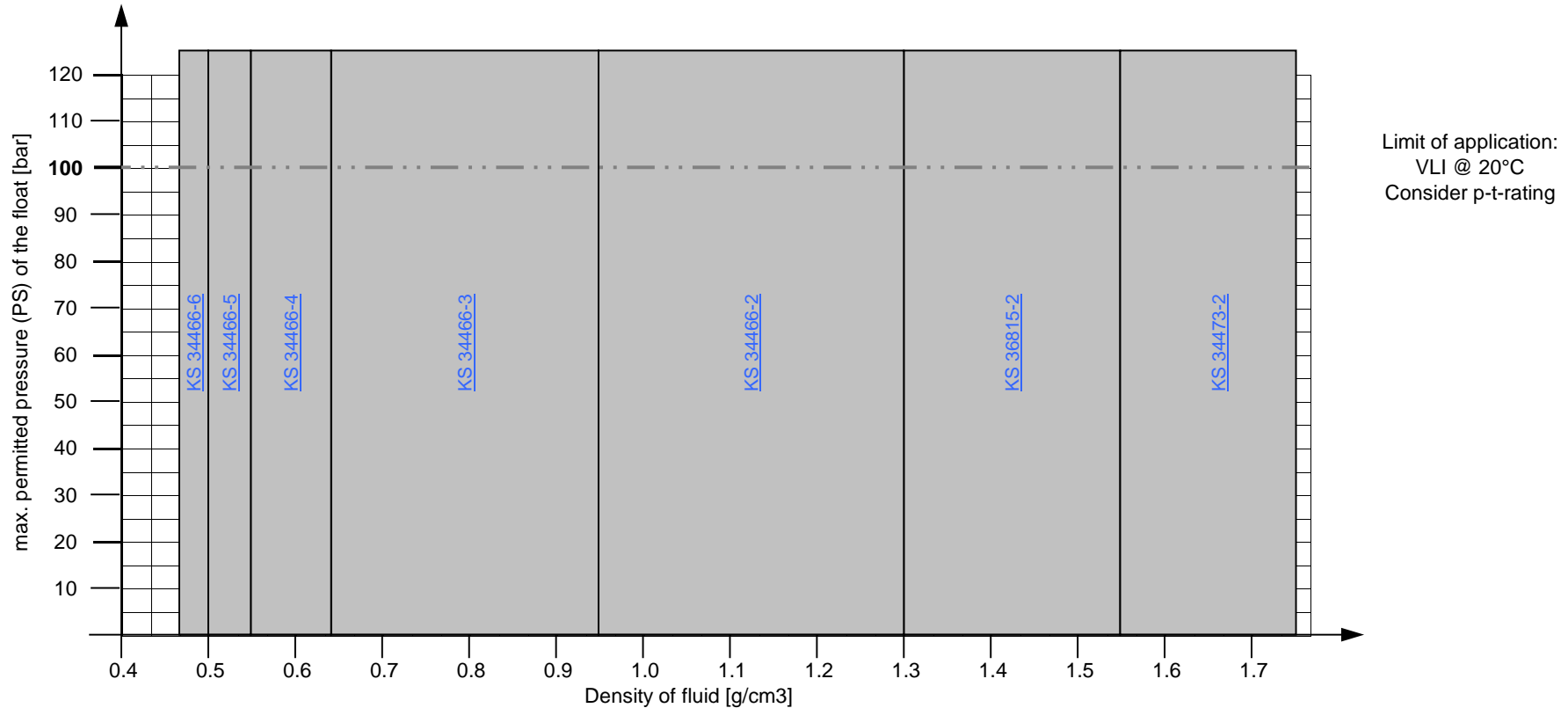
Notes:

- EN1092-1:2013 flange PN63 and PN100 up to DN100 use identical interface dimensions. WEKA will use generally PN100 flanges.
- ANSI B16.5 flange class 900 and Class 1500 up to 2 1/2" use 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! ---



Float selection diagram VLI Type 26411, High Pressure Line 100

These data apply for an operating temperature of $\leq 20^{\circ}\text{C}$.
For higher operating temperatures, please check the max. permitted float pressure on the respective data sheet.



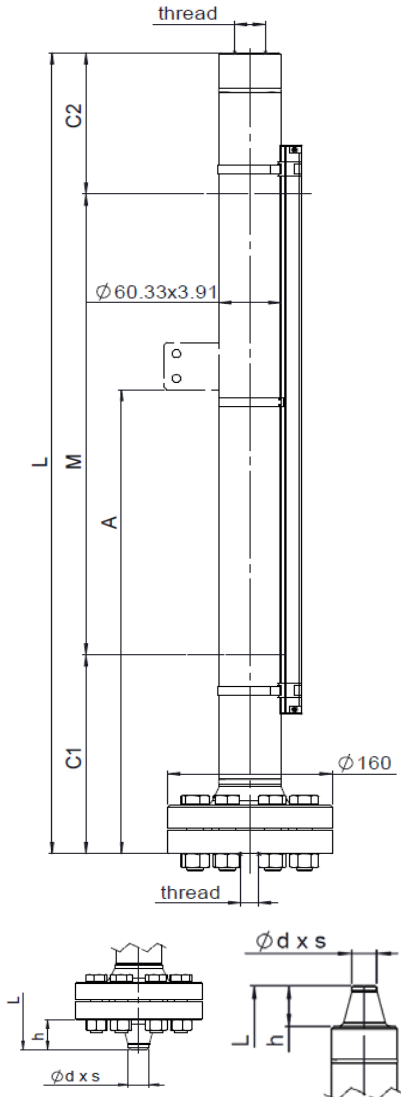
Comments:

KS = ball float Example: 36815-X (X = number of balls) Material = Titanium alloy
Interior diameter of the float chamber = 51.2mm
For steam or condensate applications, please check the use of damping springs
Additional charge for densities $< 0.55\text{g/cm}^3$ due to extended length of bottom float run-out and ball float with more than 4 balls

High Pressure Line 150

Type: 25683-A

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



Float extension lower / upper:

	C1:	C2:
Standard	200	150

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:	≥ 0.7g/cm ³ g/cm ³ :
Viscosity:	≤ 600cSt cSt:
Operating pressure:	max. 150bar(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:

standard execution:	
Float chamber:	316&316L
Float:	Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom

Gaskets: Graphite incl. reinforcing net in ss 316/316L (≤ 400°C) Standard
Spiral wound gasket Graphit & 316 (≤ 400°C)

Process Connections

- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp1/2" resp. **G1/2"**:
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp3/4" resp. **G3/4"**:
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp1" resp. **G1"**:
- Female thread acc. ANSI, without plug **NPT 1/2"**:
- Female thread acc. ANSI, without plug **NPT 3/4"**:
- Female thread acc. ANSI, without plug **NPT 1"**:
- Butt weld ends acc. to ISO/EN; 21.3 x 2.0mm; h = 25mm DN15:
- Butt weld ends acc. to ISO/EN; 26.9 x 2.6mm; h = 26mm DN20:
- Butt weld ends acc. to ISO/EN; 33.7 x 2.6mm; h = 34mm DN25:
- Butt weld ends acc. to ANSI B.36.10; 21.34 x 2.77mm; h = 38mm 1/2" (Sch40):
- Butt weld ends acc. to ANSI B.36.10; 26.67 x 2.87mm; h = 41.5mm 3/4" (Sch40):
- Butt weld ends acc. to ANSI B.36.10; 33.40 x 3.38mm; h = 44.5mm 1" (Sch40):

Other Connections

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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	
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	
Special execution	Flaps:	No.:	

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936:	Quantity:	Dim. "A" [mm]:
Magnetic switch:	Quantity:	Type:
Transmitter:	Resolution [mm]:	Type:
Electrical measuring length Mel [mm]:		
Converter:	Type:	
Additional accessories:		

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

Special Executions & Additional Notes

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Notes:

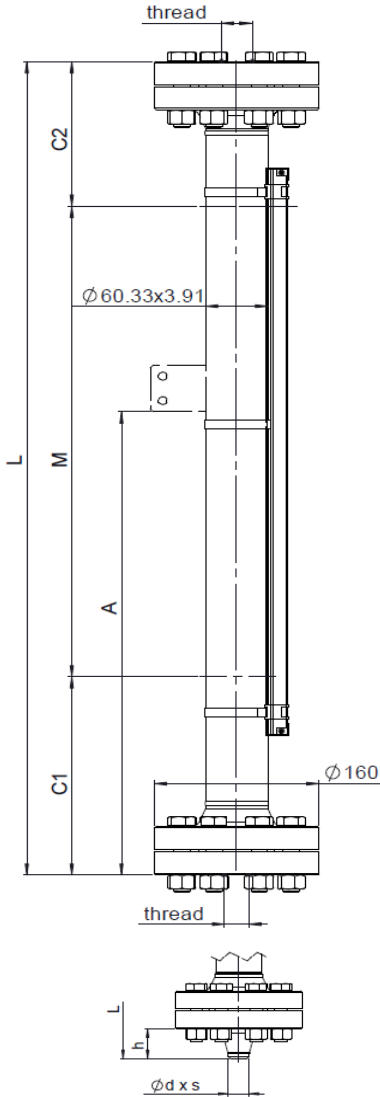
*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation!
Test pressure will be specified according to WEKA specification AW 2.1.2.

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

High Pressure Line 150

Type: 25683-B

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



Float extension lower / upper:

C1:	C2:
Standard 200	165

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: $\geq 0.7\text{g/cm}^3$ g/cm³:
 Viscosity: $\leq 600\text{cSt}$ cSt:
 Operating pressure: max. 150bar(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:

standard execution:
 Float chamber: 316&316L
 Float: Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom
 Gaskets: Graphite incl. reinforcing net in ss 316/316L ($\leq 400^\circ\text{C}$) Standard
 Spiral wound gasket Graphit & 316 ($\leq 400^\circ\text{C}$)

Process Connections

- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp1/2" resp. **G1/2"**:
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp3/4" resp. **G3/4"**:
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp1" resp. **G1"**:
- Female thread acc. ANSI, without plug **NPT 1/2"**:
- Female thread acc. ANSI, without plug **NPT 3/4"**:
- Female thread acc. ANSI, without plug **NPT 1"**:
- Butt weld ends acc. to ISO/EN; 21.3 x 2.0mm; h = 25mm DN15:
- Butt weld ends acc. to ISO/EN; 26.9 x 2.6mm; h = 26mm DN20:
- Butt weld ends acc. to ISO/EN; 33.7 x 2.6mm; h = 34mm DN25:
- Butt weld ends acc. to ANSI B.36.10; 21.34 x 2.77mm; h = 38mm 1/2" (Sch40):
- Butt weld ends acc. to ANSI B.36.10; 26.67 x 2.87mm; h = 41.5mm 3/4" (Sch40):
- Butt weld ends acc. to ANSI B.36.10; 33.40 x 3.38mm; h = 44.5mm 1" (Sch40):

Other Connections

Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard	<input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008		<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560		<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100		<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403		<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404		<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>		<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936: Dim. "A" [mm]:
 Magnetic switch: Quantity: Type:
 Transmitter: Resolution [mm]: **5 / 10** Type:
 Electrical measuring length Mel [mm]:
 Converter: Type:
 Additional accessories:

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

Special Executions & Additional Notes

Notes:

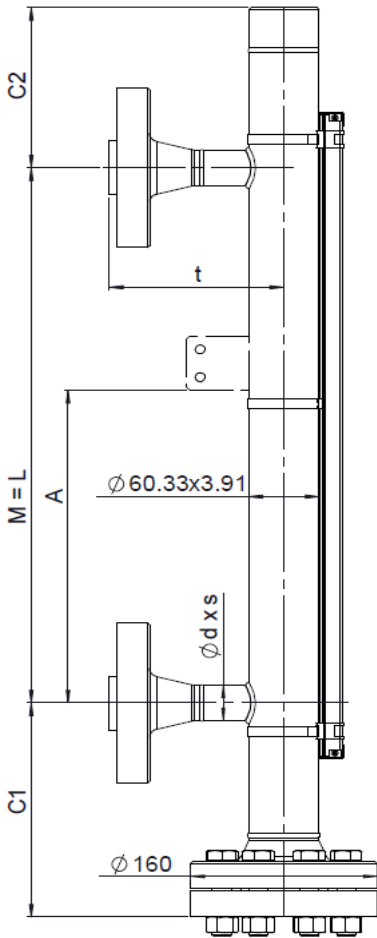
*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation!
 Test pressure will be specified according to WEKA specification AW 2.1.2.

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

High Pressure Line 150

Type: 25683-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: $\geq 0.7 \text{ g/cm}^3$ g/cm^3
 Viscosity: $\leq 600 \text{ cSt}$ cSt
 Operating pressure: max. 150bar(g) @ 20°C *1) bar(g)
 Design pressure: " bar(g)
 Operating temperature: -80°C ... 400°C *1) $^{\circ}\text{C}$
 Design temperature: " $^{\circ}\text{C}$
 Connecting Distance "L": max. 5600mm (one-piece design) mm

Design and Materials:

standard execution:
 Float chamber: 316&316L
 Float: Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom
 Gaskets: Graphite incl. reinforcing net in ss 316/316L ($\leq 400^{\circ}\text{C}$) Standard
 Spiral wound gasket Graphit & 316 ($\leq 400^{\circ}\text{C}$)

Process Connections

EN-Connecting Flanges acc. EN1092-1 (Standard):

- EN1092-1/11 B1/DNxx/PN160/316L DN15:
 - wn-flange, RF, Rz=12,5 ... 50µm, turned DN25:

ANSI/class1500 (= ISO/PN260) - Connecting Flanges:

- ANSI/ASME B16.5 / ISO-DIS7005-1.2, type 11/B1 ANSI 1/2" resp. ISO DN15 :
 - wn-flange, RF SF, Rz=12,5 ... 50µm, turned ANSI 3/4" resp. ISO DN20 :
 ANSI 1" resp. ISO DN25 :

Other Connections

Float extension lower / upper:

	C1:	C2:
Standard	200	150

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

Standard Flange Connections:

	DIN/EN	ANSI/ISO
Connection pieces, d*s:		
DN15:	21.3*2.6	21.34*2.77
DN20:	-	26.67*2.87
DN25:	33.7*3.2	33.40*3.38
>= DN32 *2):	33.7*3.2	33.40*3.38
Dimension t / Dimension tt (w/o Flange):		
DN15:	150 / 105	150 / 83.1
DN20:	-	150 / 73.7
DN25:	150 / 92	150 / 70.4
>= DN32 *2):		tba *3)

Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936: Dim. "A" [mm]:
 Magnetic switch: Quantity: Type:
 Transmitter: Resolution [mm]: 5 / 10 Type:
 Electrical measuring length Mel [mm]:
 Converter: Type:
 Additional accessories:

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

Special Executions & Additional Notes

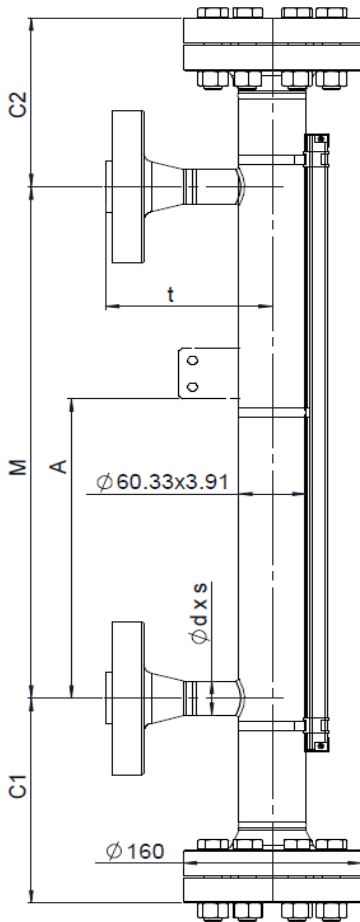
Notes:

- *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.

High Pressure Line 150

Type: 25683-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: $\geq 0.7 \text{ g/cm}^3$ g/cm^3
 Viscosity: $\leq 600 \text{ cSt}$ cSt
 Operating pressure: max. 150bar(g) @ 20°C *1) bar(g)
 Design pressure: " bar(g)
 Operating temperature: -80°C ... 400°C *1) $^{\circ}\text{C}$
 Design temperature: " $^{\circ}\text{C}$
 Connecting Distance "L": max. 5600mm (one-piece design) mm

Design and Materials:

standard execution:
 Float chamber: 316&316L
 Float: Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom
 Gaskets: Graphite incl. reinforcing net in ss 316/316L ($\leq 400^{\circ}\text{C}$) Standard
 Spiral wound gasket Graphit & 316 ($\leq 400^{\circ}\text{C}$)

Process Connections

EN-Connecting Flanges acc. EN1092-1 (Standard):

- EN1092-1/11 B1/DNxx/PN160/316L DN15:
 - wn-flange, RF, Rz=12,5 ... 50µm, turned DN25:

ANSI/class1500 (= ISO/PN260) - Connecting Flanges:

- ANSI/ASME B16.5 / ISO-DIS7005-1.2, type 11/B1 ANSI 1/2" resp. ISO DN15 :
 - wn-flange, RF SF, Rz=12,5 ... 50µm, turned ANSI 3/4" resp. ISO DN20 :
 ANSI 1" resp. ISO DN25 :

Other Connections

Float extension lower / upper:

	C1:	C2:
Standard	200	165

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

Standard Flange Connections:

	DIN/EN	ANSI/ISO
Connection pieces, d*s:		
DN15:	21.3*2.6	21.34*2.77
DN20:	-	26.67*2.87
DN25:	33.7*3.2	33.40*3.38
>= DN32 *2):	33.7*3.2	33.40*3.38
Dimension t / Dimension tt (w/o Flange):		
DN15:	150 / 105	150 / 83.1
DN20:	-	150 / 73.7
DN25:	150 / 92	150 / 70.4
>= DN32 *2):	tba *3)	

Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936: Dim. "A" [mm]:
 Magnetic switch: Quantity: Type:
 Transmitter: Resolution [mm]: 5 / 10 Type:
 Electrical measuring length Mel [mm]:
 Converter: Type:
 Additional accessories:

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

Special Executions & Additional 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.

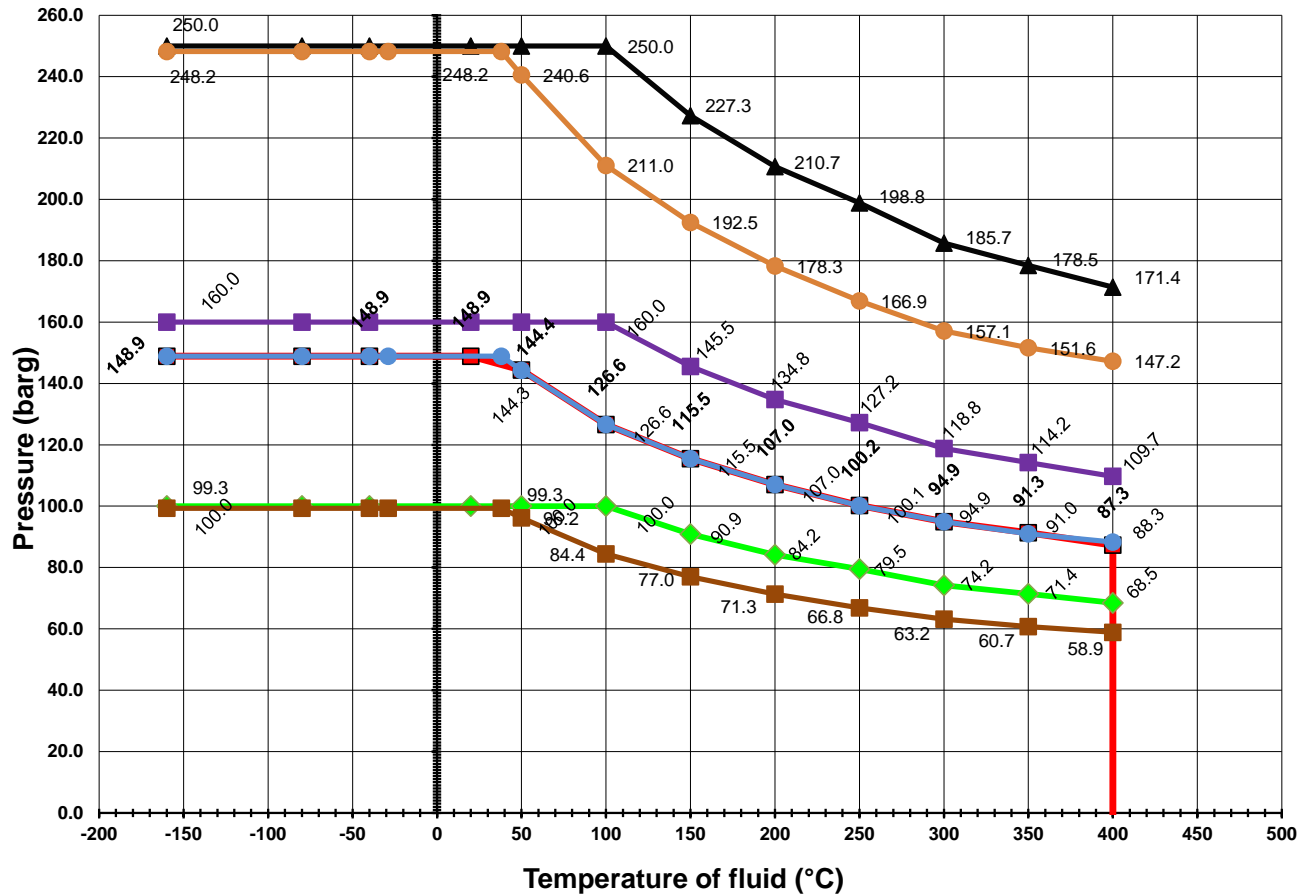
*2) With special reduction flanges.

*3) Depending on size of connecting flanges.

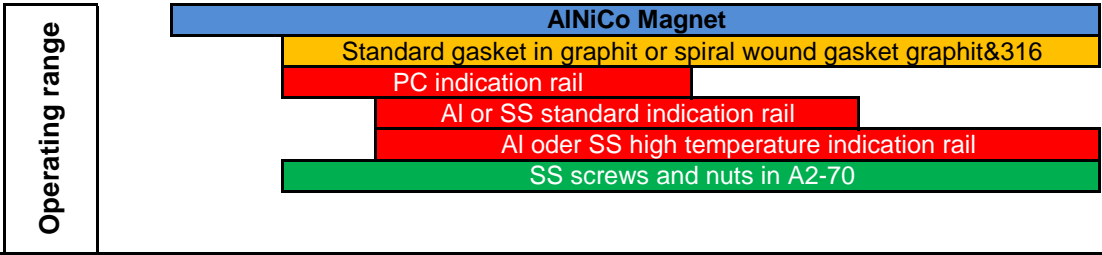
All indicated dimensions in mm. All dimensions are only valid on VLI in standard execution.

Pressure-temperature-rating for VLI High Pressure Line 150, type 25683

Max. 150bar(g) @ 20°C, up to max. 400°C for VLI bypass float chamber in SS EN 1.4401, 1.4436 & 1.4404, 1.4435 resp. ANSI 316&316L



- VLI High-Pressure Line PN150 all types 25683 (-A, -B, -K, -O)
- EN 1092-1:2013 PN100 flange double certified 1.4401/1.4436 & 1.4404/1.4435 Material group 14E0
- EN 1092-1:2013 PN160 flange double certified 1.4401/1.4436 & 1.4404/1.4435 Material group 14E0
- EN 1092-1:2013 PN250 flange double certified 1.4401/1.4436 & 1.4404/1.4435 Material group 14E0
- ASME B16.5:2013 class600 flange double certified 316&316L Material group 2.2 resp. 2A2
- ASME B16.5:2013 class900 flange double certified 316&316L Material group 2.2 resp. 2A2
- ASME B16.5:2013 class1500 flange double certified 316&316L Material group 2.2 resp. 2A2



Other flanges on request

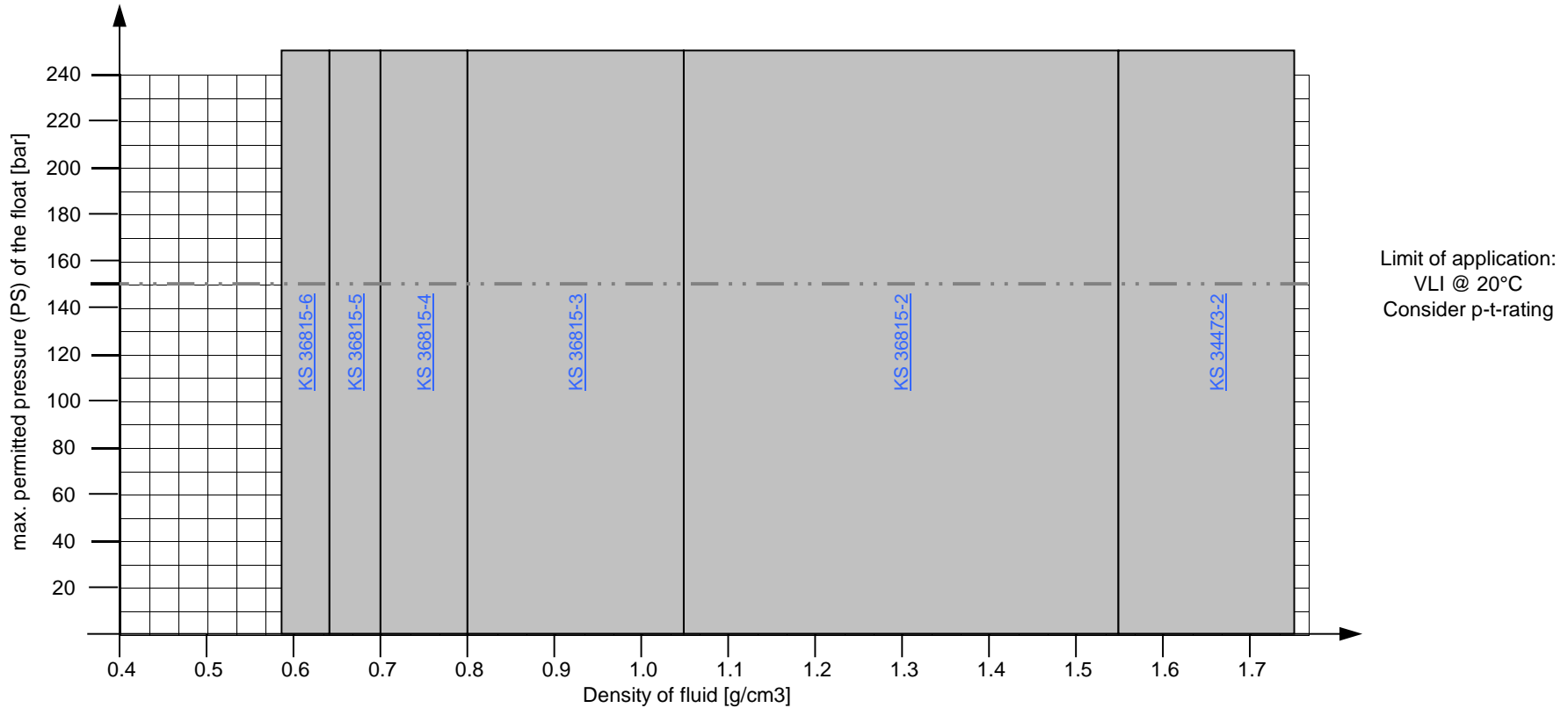
Notes:

- ANSI B16.5 flange class 900 and Class 1500 up to 2 1/2" use 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! ---

VLI Type 25683, High Pressure Line 150

These data apply for an operating temperature of $\leq 20^{\circ}\text{C}$.

For higher operating temperatures, please check the max. permitted float pressure on the respective data sheet.



Comments:

KS = ball float

Example: 36815-X (X = number of balls)

Material = Titanium alloy

Interior diameter of the float chamber = 50mm

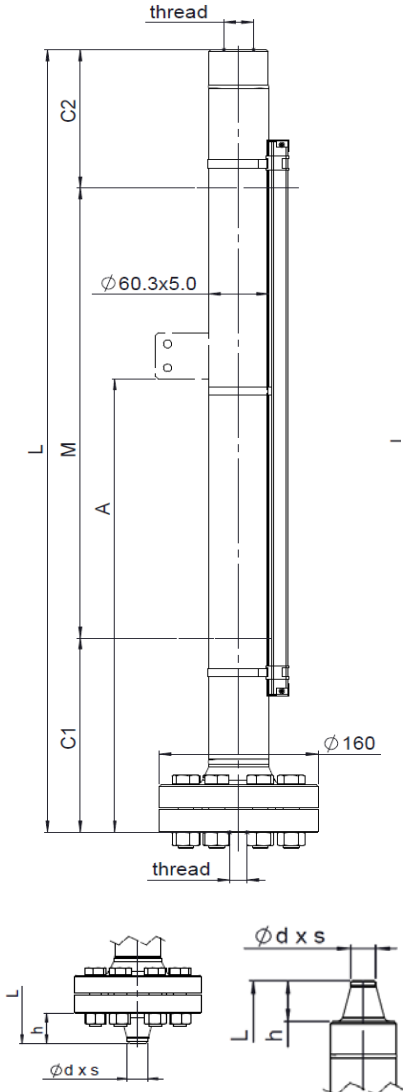
For steam or condensate applications, please check the use of damping springs

Additional charge for densities $< 0.55\text{g/cm}^3$ due to extended length of bottom float run-out and ball float with more than 4 balls

High Pressure Line 200

Type: 32806-A

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



Float extension lower / upper:

	C1:	C2:
Standard	205	155

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: $\geq 0.7\text{g/cm}^3$ g/cm^3
 Viscosity: $\leq 600\text{cSt}$ cSt
 Operating pressure: max. 200bar(g) @ 20°C *1) bar(g)
 Design pressure: " bar(g)
 Operating temperature: -80°C ... 400°C *1) $^{\circ}\text{C}$
 Design temperature: " $^{\circ}\text{C}$
 Connecting Distance "L": max. 5800mm (one-piece design) mm

Design and Materials:

standard execution:
 Float chamber: 316&316L
 Float: Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom
 Gaskets: Graphite incl. reinforcing net in ss 316/316L ($\leq 400^{\circ}\text{C}$) Standard
 Spiral wound gasket Graphit & 316 ($\leq 400^{\circ}\text{C}$)

Process Connections

- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp1/2" resp. **G1/2"**:
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp3/4" resp. **G3/4"**:
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp1" resp. **G1"**:
- Female thread acc. ANSI, without plug **NPT 1/2"**:
- Female thread acc. ANSI, without plug **NPT 3/4"**:
- Female thread acc. ANSI, without plug **NPT 1"**:
- Butt weld ends acc. to ISO/EN; 21.3 x 2.6mm; h = 34mm DN15:
- Butt weld ends acc. to ISO/EN; 33.7 x 3.6mm; h = 37mm DN25:
- Butt weld ends acc. to ANSI B.36.10; 21.34 x 3.73mm; h = 37.8mm 1/2" (Sch80):
- Butt weld ends acc. to ANSI B.36.10; 26.67 x 3.91mm; h = 44.5mm 3/4" (Sch80):
- Butt weld ends acc. to ANSI B.36.10; 33.40 x 4.55mm; h = 44.5mm 1" (Sch80):

Other Connections

Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936: Dim. "A" [mm]:
 Magnetic switch: Quantity: Type:
 Transmitter: Resolution [mm]: **5 / 10** Type:
 Electrical measuring length Mel [mm]:
 Converter: Type:
 Additional accessories:

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

Special Executions & Additional Notes

Notes:

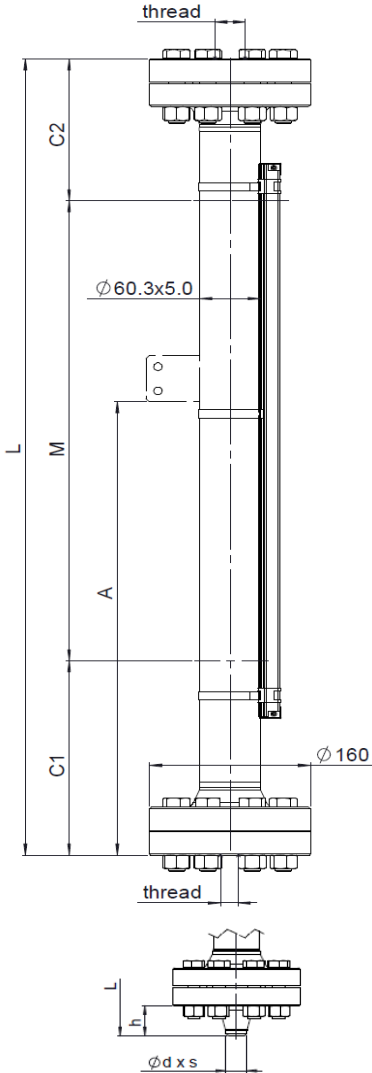
*1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation!
 Test pressure will be specified according to WEKA specification AW 2.1.2.

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

High Pressure Line 200

Type: 32806-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: $\geq 0.7\text{g/cm}^3$ g/cm^3
 Viscosity: $\leq 600\text{cSt}$ cSt
 Operating pressure: max. 200bar(g) @ 20°C *1) bar(g)
 Design pressure: " bar(g)
 Operating temperature: -80°C ... 400°C *1) $^{\circ}\text{C}$
 Design temperature: " $^{\circ}\text{C}$
 Connecting Distance "L": max. 5800mm (one-piece design) mm

Design and Materials:

standard execution:
 Float chamber: 316&316L
 Float: Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom
 Gaskets: Graphite incl. reinforcing net in ss 316/316L ($\leq 400^{\circ}\text{C}$) Standard
 Spiral wound gasket Graphit & 316 ($\leq 400^{\circ}\text{C}$)

Process Connections

- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp1/2" resp. **G1/2"**
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp3/4" resp. **G3/4"**
- Female thread acc. ISO7-1 resp. ISO 228-1, without plug Rp1" resp. **G1"**
- Female thread acc. ANSI, without plug **NPT 1/2"**
- Female thread acc. ANSI, without plug **NPT 3/4"**
- Female thread acc. ANSI, without plug **NPT 1"**
- Butt weld ends acc. to ISO/EN; 21.3 x 2.6mm; h = 34mm DN15
- Butt weld ends acc. to ISO/EN; 33.7 x 3.6mm; h = 37mm DN25
- Butt weld ends acc. to ANSI B.36.10; 21.34 x 3.73mm; h = 37.8mm 1/2" (Sch80)
- Butt weld ends acc. to ANSI B.36.10; 26.67 x 3.91mm; h = 44.5mm 3/4" (Sch80)
- Butt weld ends acc. to ANSI B.36.10; 33.40 x 4.55mm; h = 44.5mm 1" (Sch80)

Other Connections

Float extension lower / upper:

	C1:	C2:
Standard	205	170

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 <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936: Dim. "A" [mm]:
 Magnetic switch: Quantity: Type:
 Transmitter: Resolution [mm]: **5 / 10** Type:
 Electrical measuring length Mel [mm]:
 Converter: Type:
 Additional accessories:

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

Special Executions & Additional Notes

Notes:

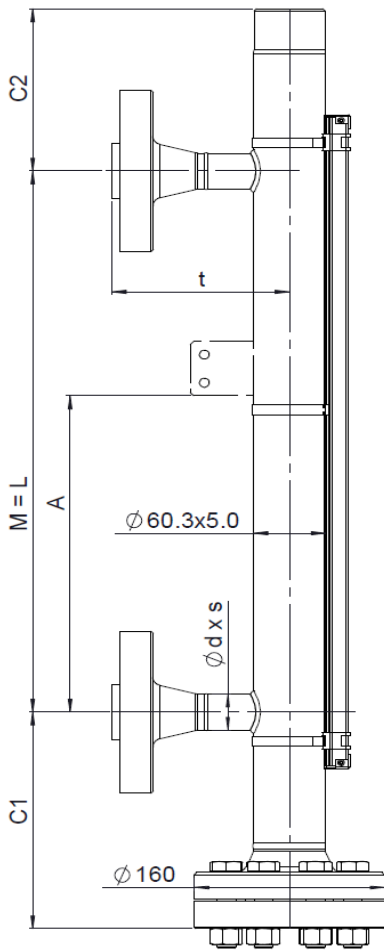
- *1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation!
 Test pressure will be specified according to WEKA specification AW 2.1.2.

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

High Pressure Line 200

Type: 32806-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: $\geq 0.7 \text{g/cm}^3$ g/cm^3
 Viscosity: $\leq 600 \text{cSt}$ cSt
 Operating pressure: max. 200bar(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:

standard execution:
 Float chamber: 316&316L
 Float: Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom
 Gaskets: Graphite incl. reinforcing net in ss 316/316L ($\leq 400^\circ\text{C}$) Standard
 Spiral wound gasket Graphit & 316 ($\leq 400^\circ\text{C}$)

Process Connections

EN-Connecting Flanges acc. EN1092-1 (Standard):
 - EN1092-1/11 B1/DNxx/PN250/316L DN15:
 - wn-flange, RF, Rz=12,5 ... 50µm, turned DN25:

ANSI/class1500 (= ISO/PN260) - Connecting Flanges:
 - ANSI/ASME B16.5 / ISO-DIS7005-1.2, type 11/B1 ANSI 1/2" resp. ISO DN15 :
 - wn-flange, RF SF, Rz=12,5 ... 50µm, turned ANSI 3/4" resp. ISO DN20 :
 ANSI 1" resp. ISO DN25 :

Other Connections

Float extension lower / upper:

	C1:	C2:
Standard	205	155

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

Standard Flange Connections:

	DIN/EN	ANSI/ISO
Connection pieces, d*s:		
DN15:	21.3*2.6	21.34*3.73
DN20:	-	26.67*3.91
DN25:	33.7*3.6	33.40*4.55
\geq DN32 *2):	33.7*3.6	33.40*4.55
Dimension t / Dimension tt (w/o Flange):		
DN15:	150 / 90	150 / 81.3
DN20:	-	150 / 73.7
DN25:	150 / 85	150 / 70.4
\geq DN32 *2):		tba *3)

Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936: Dim. "A" [mm]:
 Magnetic switch: Quantity: Type:
 Transmitter: Resolution [mm]: 5 / 10 Type:
 Electrical measuring length Mel [mm]:
 Converter: Type:
 Additional accessories:

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

Special Executions & Additional Notes

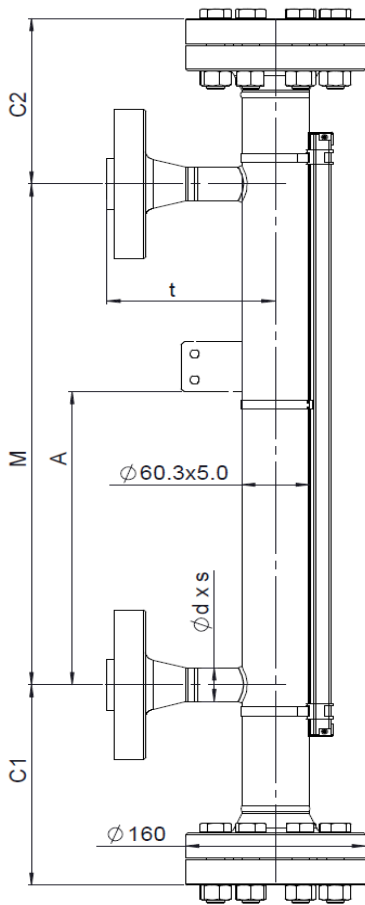
Notes:

- *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.

High Pressure Line 200

Type: 32806-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: $\geq 0.7 \text{ g/cm}^3$ g/cm^3
 Viscosity: $\leq 600 \text{ cSt}$ cSt
 Operating pressure: max. 200bar(g) @ 20°C *1) bar(g)
 Design pressure: " bar(g)
 Operating temperature: -80°C ... 400°C *1) $^{\circ}\text{C}$
 Design temperature: " $^{\circ}\text{C}$
 Connecting Distance "L": max. 5600mm (one-piece design) mm

Design and Materials:

standard execution:
 Float chamber: 316&316L
 Float: Ti-alloy type no.:

Screws and nuts in A2-70 (AISI 304) for operating temp. -80°C ... +400°C

Damping spring, 1.4401 No.: 27399 top bottom
 Gaskets: Graphite incl. reinforcing net in ss 316/316L ($\leq 400^{\circ}\text{C}$) Standard
 Spiral wound gasket Graphit & 316 ($\leq 400^{\circ}\text{C}$)

Process Connections

EN-Connecting Flanges acc. EN1092-1 (Standard):
 - EN1092-1/11 B1/DNxx/PN250/316L DN15:
 - wn-flange, RF, Rz=12,5 ... 50µm, turned DN25:

ANSI/class1500 (= ISO/PN260) - Connecting Flanges:
 - ANSI/ASME B16.5 / ISO-DIS7005-1.2, type 11/B1 ANSI 1/2" resp. ISO DN15 :
 - wn-flange, RF SF, Rz=12,5 ... 50µm, turned ANSI 3/4" resp. ISO DN20 :
 ANSI 1" resp. ISO DN25 :

Other Connections

Float extension lower / upper:

	C1:	C2:
Standard	205	170

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

Standard Flange Connections:

	DIN/EN	ANSI/ISO
Connection pieces, d*s:		
DN15:	21.3*2.6	21.34*3.73
DN20:	-	26.67*3.91
DN25:	33.7*3.6	33.40*4.55
>= DN32 *2):	33.7*3.6	33.40*4.55
Dimension t / Dimension tt (w/o Flange):		
DN15:	150 / 90	150 / 81.3
DN20:	-	150 / 73.7
DN25:	150 / 85	150 / 70.4
>= DN32 *2):		tba *3)

Indication Rail

PC, IP65 (<150°C)	Flaps: red-silver	No.: 34837	Standard <input type="checkbox"/>
PC, IP68, inert gas (<150°C)	Flaps: red-silver	No.: 41008	<input type="checkbox"/>
Al/PC, IP54 (<250°C)	Flaps: red-silver	No.: 34560	<input type="checkbox"/>
Al/Glass, IP54 (<400°C)	Flaps: black-silver	No.: 37100	<input type="checkbox"/>
316L, IP67 (<250°C)	Flaps: red-silver	No.: 42403	<input type="checkbox"/>
316L, IP67 (<400°C)	Flaps: black-silver	No.: 42404	<input type="checkbox"/>
Special execution	Flaps: <input type="text"/>	No.: <input type="text"/>	<input type="checkbox"/>

Accessories (refer to installation instructions 20010501)

Fixation bracket No. 26936: Dim. "A" [mm]:
 Magnetic switch: Quantity: Type:
 Transmitter: Resolution [mm]: 5 / 10 Type:
 Electrical measuring length Mel [mm]:
 Converter: Type:
 Additional accessories:

Test Reports and Certificates

EN10204:2004-3.1: main pressure-bearing parts according to PED

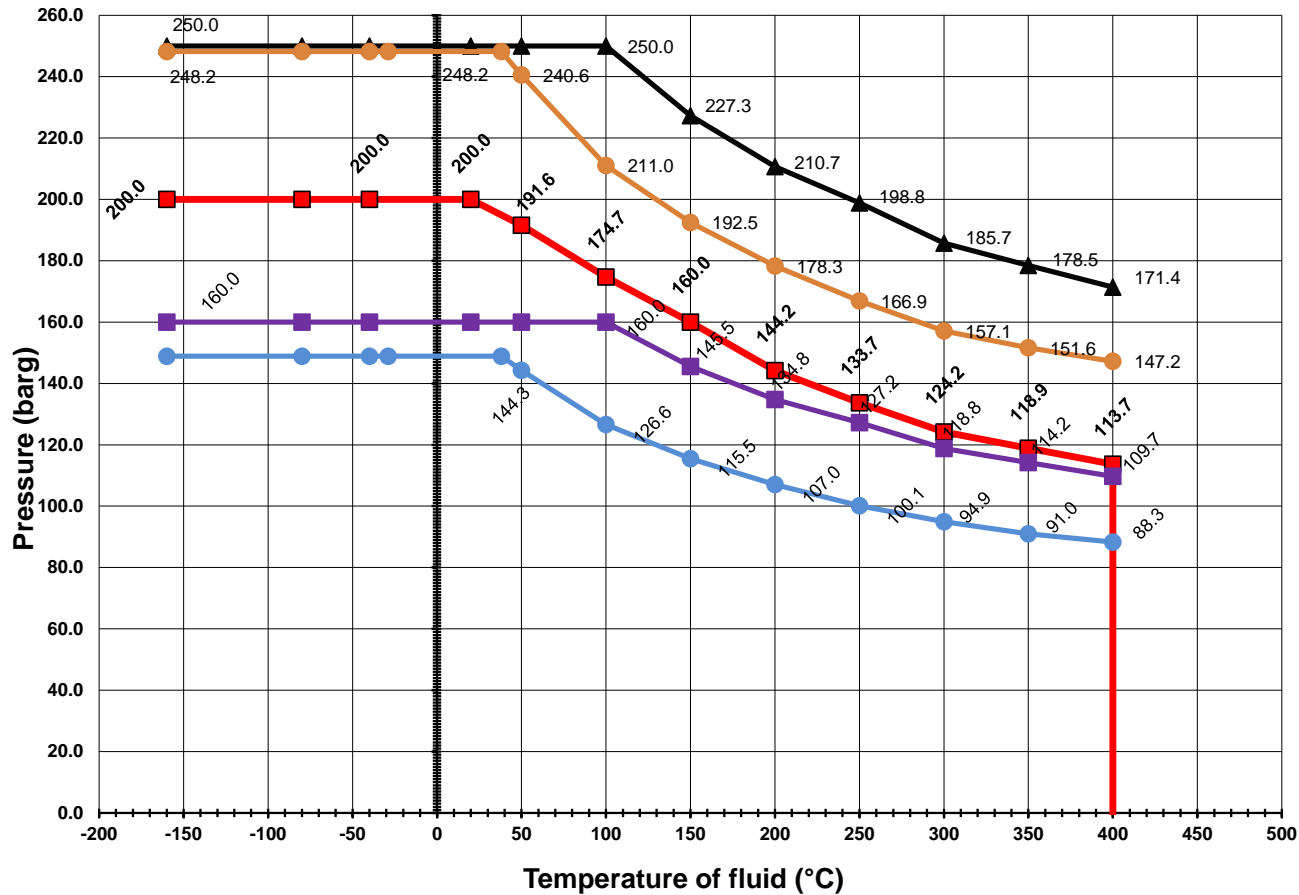
Special Executions & Additional Notes

Notes:

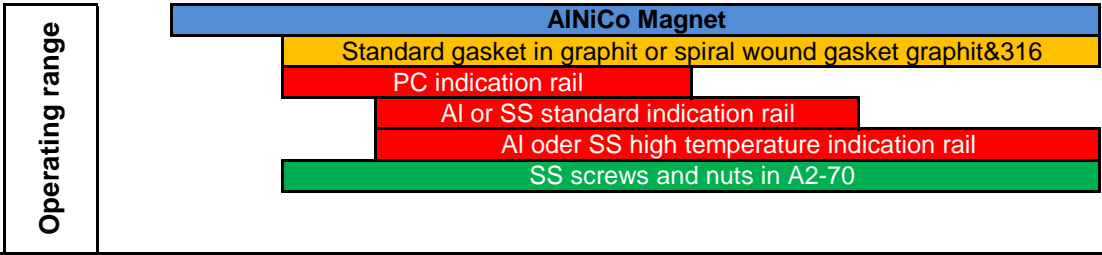
- *1) Refer to pressure-temperature rating! Lowest pressure-temperature rating of any connecting flange or fitting will set the limitation!
 Test pressure will be specified according to WEKA specification AW 2.1.2.
 *2) With special reduction flanges. *3) Depending on size of connecting flanges.
 All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

Pressure-temperature-rating for VLI High Pressure Line 200, type 32806

Max. 200bar(g) @ 20°C, up to max. 400°C for VLI bypass float chamber in SS EN 1.4401, 1.4436 & 1.4404, 1.4435 resp. ANSI 316&316L



- VLI High-Pressure Line PN200 all types 32806 (-A, -B, -K, -O)
- EN 1092-1:2013 PN160 flange double certified 1.4401/1.4436 & 1.4404/1.4435 Material group 14E0
- ▲ EN 1092-1:2013 PN250 flange Double certified 1.4401/1.4436 & 1.4404/1.4435 Material group 14E0
- ASME B16.5:2013 class 900 flange double certified 316&316L Material group 2.2 resp. 2A2
- ASME B16.5:2013 class 1500 flange double certified 316&316L Material group 2.2 resp. 2A2



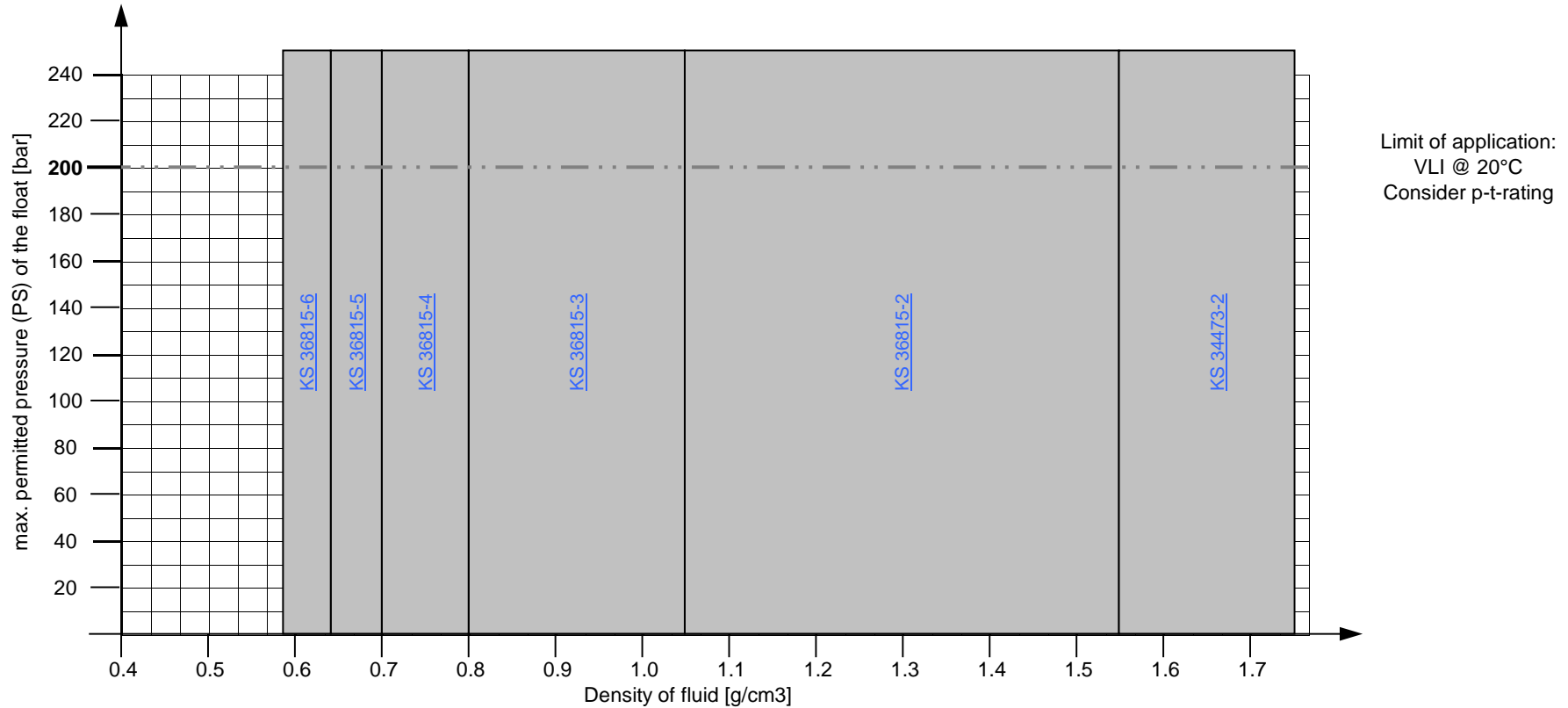
Other flanges on request

Notes:

- ANSI B16.5 flange class 900 and Class 1500 up to 2 1/2" use 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! ---

Float selection diagram VLI Type 32806, High Pressure Line 200

These data apply for an operating temperature of $\leq 20^\circ\text{C}$.
For higher operating temperatures, please check the max. permitted float pressure on the respective data sheet.



Comments:

KS = ball float Example: 36815-X (X = number of balls) Material = Titanium alloy
Interior diameter of the float chamber = 50.3mm
For steam or condensate applications, please check the use of damping springs
Additional charge for densities $< 0.7\text{g/cm}^3$ due to extended length of bottom float run-out and ball float with more than 4 balls

High pressure VLI >200bar

WEKA has also manufactured magnetic level indicators (VLI) in the pressure classes > 200bar for many years. During this time, we have accumulated the specific and extensive expertise which is necessary for the design and manufacturing of high-pressure magnetic level indicators. This knowledge and skill is demonstrated by the several hundred devices which are in effective use every day, in a wide variety of countries and under very different service conditions.

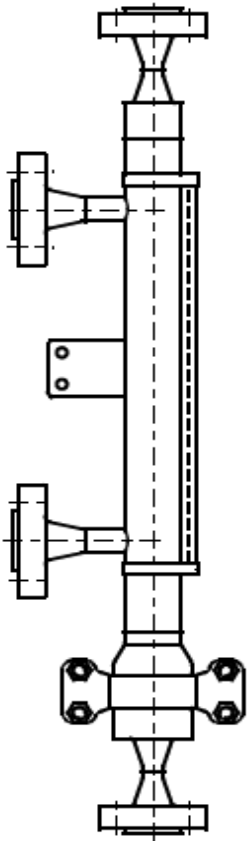
General standardisation for high pressure applications is exceptionally difficult due to the great variety of demands on high-pressure Visual Level Indicators.

Demands could include:

- Excessive temperature and pressure conditions.
- Special mounting onto vessel or tank could be complex with fittings, flanges or specially designed high-pressure coupling clamps.
- Local rules for pressure vessels and special regulations may influence the type of design and manufacturing.
- Extreme environmental conditions, e.g. on offshore rigs or oil production platforms, for hydraulic forging presses, large steam boilers, etc.
- Exotic materials for chamber and float due to high corrosive and dangerous liquids.

For preparation of an accurate offer explicit details and data must be provided as well as all relevant information described above.

Some applications may be designed according to the sketches below:



Design with clamp service connection

- for high temperature applications, e.g. steam
- metal sealing
- low weight in comparison to flanged connections
- reduced requirements of bolting as pressure bearing parts
- radial bolting allows 360° orientation of clamp
- quick and easy assembly and disassembly
- for low temperature applications, e.g. hydraulic or hydrostatic

Free form data sheet for VLI >200bar

Sketch:

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

Side view

Top view

Purchase Order Data:

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

Operating Conditions

Fluid:		
Density:	≥ 0.6g/cm ³	g/cm ³ :
Viscosity:	≤ 600cSt	cSt:
Operating pressure:		bar(g):
Design pressure:		bar(g):
Operating temperature:	≤ 400°C	°C:
Design temperature:	≤ 400°C	°C:
Connecting distance "L":		mm:
Measuring length "M":		mm:
Lower float extension "C1":		mm:
Upper float extension "C2":		mm:

Design and Materials:

Float chamber:	
Float:	
Bolting:	
Damping spring top and bottom, 1.4401	

Gaskets:	fibres compound Aramid/NBR (≤ 150°C)	Standard	<input type="checkbox"/>
	pure PTFE non reinforced (≤ 250°C)		<input type="checkbox"/>
	Graphit incl. reinforcing net in ss 316/316L (≤ 400°C)		<input type="checkbox"/>

Process connections:

Indication Rail:

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

Accessories (installation instructions see spec. no. 20010501)

Fixation bracket no. 26936:	dimension "A" [mm]:	
Magnetic switch:	quantity:	type:
Transmitter:	resolution [mm]:	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:	<input type="checkbox"/>
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Special executions and notes:

Notes:

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.