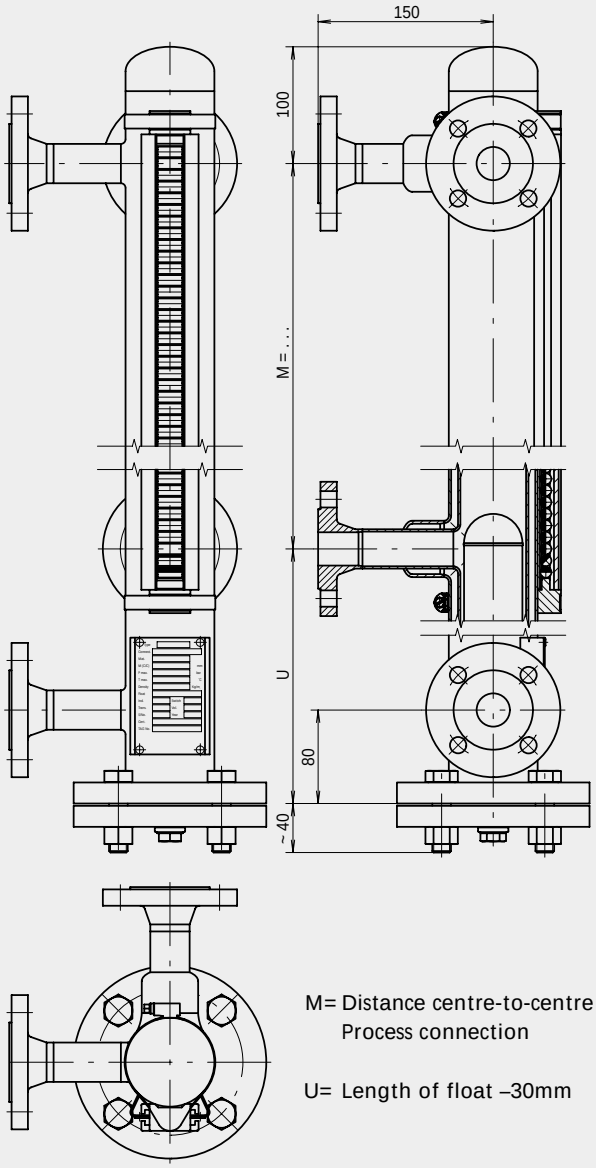
Bypass-Level Indicators with heating jacket

Type: B.. - ../..-M... - V60/76 - MRA



M= Distance centre-to-centre Process connection

U= Length of float –30mm

Technical data

Chamber:	Ø 60,3 x 2mm
Heating jacket pipe:	Ø 76,1 x 2mm
Chamber end top:	Welding end or flat top Options: (see pages 104 and 105) - Vent plug BSP ½" - Vent valve - Vent flange
Chamber end bottom:	Flanged with drain plug BSP ½" Options: (see pages 104 and 105) - Drain valve - Drain flange
Process and heating jacket connections:	side - side Flanges PN16 or 150 lb DIN 2633; DN10 - DN25 DIN 2527; DN10 - DN100 ANSI B 16,5; ½" - 4"
Process connections options:	Flanges PN40 or 300 lb DIN 2635; DN10 - DN25 DIN 2527; DN10 - DN100 ANSI B 16,5; ½" - 4" Thread or welding stubs: GM/... = thread female / size GN/... = thread male / size S... = welding stubs / Ø
Distance centre to centre M...:	min. 150mm to max. 5500mm
Float PN16:	Type Z.S../1,6/200/K74 length of float depending on S.G. (see page 92)
Float PN25:	Type Z.S../25 /200/K74 length of float depending on S.G. (see page 92) At temperature >200°C float will be designed according to process parameters
Material:	Stainless steel 1.4571 (316 Ti) 1.4404 (316L)
Nominal pressure: (process)	max. 16 or 25 bar (according to flange and float design)
Nominal pressure (heating jacket)	max. 16 bar
Temperature range:	-30°C to + 200°C (according to design)
Magnetic roller display:	Type MRA-M... -max. 200°C Type MRK-M... -max. 400°C Typ MNA-M... For technical data and further designs and options: (see pages 99 and 100)
OPTION	**ATEX 100**

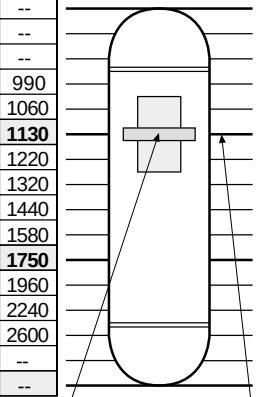
Bypass floats for heating jacket and liquid gas design

Immersion depth table in relation to specific gravity of the liquid, float type heating jacket design

Stainless steel 1.4571	Material	Titanium
-70°C to +200°C	**Working temp.**	-10°C to +200°C
max. 16 bar	**Working pressure**	max. 16 bar
max. 24 bar	**Test pressure**	max. 24 bar
50 mm	**Diameter**	50 mm
ZVS…/16/200/K74	**Type code**	ZTS…/16/200/K74

Type code key							Type code key							
450	**400**	**350**	**300**	**250**	**200**	**Float length L (mm)**	**150**	**200**	**250**	**300**	**350**	**400**	**450**	**500**
851	753	654	556	458	360	**Volume (cm³)**	268	369	471	572	673	775	876	978
518	477	435	397	356	315	**Weight (g)**	243	272	301	332	362	391	419	438

Immersion in mm	Stainless steel 1.4571						Titanium								Immersion in mm
	450	**400**	**350**	**300**	**250**	**200**	**150**	**200**	**250**	**300**	**350**	**400**	**450**	**500**	
	Specific gravity of the liquid (kg/m³)						**Specific gravity of the liquid (kg/m³)**								
0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0**
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10
20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20
30	640	670	710	770	860	990	1080	830	700	630	570	530	500	470	30
40	660	690	730	800	900	1060	1190	890	740	650	590	550	520	480	40
50	**670**	**710**	**760**	**840**	**950**	**1130**	**1320**	**950**	**780**	**680**	**610**	**570**	**530**	**490**	**50**
60	690	730	790	870	1000	1220	1480	1020	820	710	640	580	540	500	60
70	710	760	820	910	1060	1320	1690	1110	870	740	660	600	560	510	70
80	730	780	850	960	1120	1440	1960	1210	920	780	680	620	570	530	80
90	750	810	880	1000	1200	1580	2340	1330	980	810	710	640	590	540	90
100	**770**	**830**	**920**	**1050**	**1280**	**1750**	**2910**	**1470**	**1050**	**860**	**740**	**660**	**610**	**550**	**100**
110	800	860	960	1110	1380	1960	--	1650	1130	900	770	690	620	570	110
120	820	890	1000	1180	1490	2240	--	1890	1230	960	810	710	640	580	120
130	850	930	1050	1250	1620	2600	--	2190	1340	1020	850	740	660	600	130
140	870	970	1100	1330	1780	--	--	2620	1470	1080	890	770	690	620	140
150	**900**	**1010**	**1160**	**1430**	**1980**	--	--	--	**1630**	**1160**	**930**	**800**	**710**	**630**	**150**



Immersion depth table in relation to specific gravity of the liquid, float type heating jacket or liquid gas design

Stainless steel 1.4571	Material	Titanium
-70°C to +200°C	**Working temp.**	-10°C to +200°C
max. 25 bar	**Working pressure**	max. 25 bar
max. 37,5 bar	**Test pressure**	max. 37,5 bar
50 mm	**Diameter**	50 mm
ZVS…/25/200/K74	**Type code**	ZTS…/25/200/K74

Type code key							Type code key							
450	**400**	**350**	**300**	**250**	**200**	**Float length L (mm)**	**150**	**200**	**250**	**300**	**350**	**400**	**450**	**500**
851	753	654	556	458	360	**Volume (cm³)**	268	369	471	572	673	775	876	978
530	489	447	405	364	323	**Weight (g)**	247	280	313	348	378	407	439	462

Immersion in mm	Stainless steel 1.4571						Titanium								Immersion in mm
	450	**400**	**350**	**300**	**250**	**200**	**150**	**200**	**250**	**300**	**350**	**400**	**450**	**500**	
	Specific gravity of the liquid (kg/m³)						**Specific gravity of the liquid (kg/m³)**								
0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0**
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10
20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20
30	660	690	730	790	880	1020	1100	860	730	660	600	560	530	490	30
40	670	710	750	820	920	1080	1200	910	770	680	620	570	540	510	40
50	**690**	**730**	**780**	**850**	**970**	**1160**	**1340**	**980**	**810**	**710**	**640**	**590**	**550**	**520**	**50**
60	710	750	810	890	1020	1250	1500	1050	850	740	660	610	570	530	60
70	730	770	840	930	1080	1350	1710	1140	900	780	690	630	580	540	70
80	750	800	870	970	1150	1470	1990	1240	960	810	710	650	600	550	80
90	770	830	900	1020	1220	1620	2380	1370	1020	850	740	670	620	570	90
100	**790**	**850**	**940**	**1080**	**1310**	**1790**	**2960**	**1520**	**1090**	**900**	**770**	**690**	**630**	**580**	**100**
110	810	880	980	1140	1410	2010	--	1700	1180	950	810	710	650	600	110
120	840	920	1030	1200	1520	2300	--	1940	1270	1000	840	740	670	610	120
130	870	950	1080	1280	1660	2670	--	2260	1390	1070	880	770	700	630	130
140	890	990	1130	1360	1820	--	--	2700	1530	1140	930	800	720	650	140
150	**930**	**1030**	**1190**	**1460**	**2020**	--	--	--	**1690**	**1220**	**980**	**830**	**740**	**670**	**150**