LIQUID LEVEL GAUGE zGAU

PN16
Body material G (P250GH)
Body material M (X5CrNi18-10)
-10°C ÷ +200°C

708 type 5

PN16
Body material N (S235JR)
Body material M (X5CrNi18-10)
-10°C ÷ +200°C

708 type 8

PN25
Body material N (S235JR)
Body material M (X5CrNi18-10)
-10°C ÷ +250°C

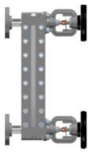
706

PN40
Body material G (P250GH)
Body material M (X5CrNi18-10)
-10°C ÷ +300°C

716 type 5

PN40
Body material N (S235JR)
Body material M (X5CrNi18-10)
-10°C ÷ +300°C

716 type 6



716 type 7

PN63
Body material G (P250GH)
Body material M (X5CrNi18-10)
-10°C ÷ +300°C

716 type 5

PN63
Body material N (S235JR)
Body material M (X5CrNi18-10)
-10°C ÷ +300°C

716 type 6

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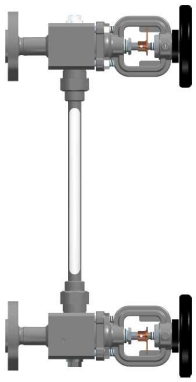
PN16

708

Liquid level gauge with glass or plexi tube

708
Type 5



708
Type 8

Application

Industries

INDUSTRY

SHIPBUILDING INDUSTRY

PETROCHEMICAL INDUSTRY

HEATING

Media

DRINKING WATER

SEWAGE

GLYCOL

INDUSTRY WATER

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Technical data

Figure	Type	Head type		Type of tube	PN	DN standard flange	Temperature range	Ends
708	50	G	P250GH	Glass	C 16	20	-10°C ÷ +200°C	
	51			Plexi			-10°C ÷ +120°C	
	52			Glass			-10°C ÷ +200°C	
	53			Plexi			-10°C ÷ +120°C	
	54			Glass			-10°C ÷ +200°C	
	55			Plexi			-10°C ÷ +120°C	
	80	N	S235JR	Glass			-10°C ÷ +200°C	
	81			Plexi			-10°C ÷ +120°C	
	82			Glass			-10°C ÷ +200°C	
	83			Plexi			-10°C ÷ +120°C	
	84			Glass			-10°C ÷ +200°C	
	85			Plexi			-10°C ÷ +120°C	
	50	M	X5CrNi18-10	Glass			-10°C ÷ +200°C	
	51			Plexi			-10°C ÷ +120°C	
	52			Glass			-10°C ÷ +200°C	
	53			Plexi			-10°C ÷ +120°C	
	54			Glass			-10°C ÷ +200°C	
	55			Plexi			-10°C ÷ +120°C	
	80			Glass			-10°C ÷ +200°C	
	81			Plexi			-10°C ÷ +120°C	
	82			Glass			-10°C ÷ +200°C	
	83			Plexi			-10°C ÷ +120°C	
	84			Glass			-10°C ÷ +200°C	
	85			Plexi			-10°C ÷ +120°C	

End type	Types	
 Flanged end	50	Liquid level gauge with 708.3 head with glass tube with flanged end,
 Threaded end	51	Liquid level gauge with 708.3 head with plexi tube with flanged end
 Welding end	52	Liquid level gauge with 708.3 head with glass tube with threaded end
	53	Liquid level gauge with 708.3 head with plexi tube with threaded end
	54	Liquid level gauge with 708.3 head with glass tube with welding end
	55	Liquid level gauge with 708.3 head with plexi tube with welding end
	80	Liquid level gauge with 708.1 head with glass tube with flanged end,
	81	Liquid level gauge with 708.1 head with plexi tube with flanged end
	82	Liquid level gauge with 708.1 head with glass tube with threaded end
	83	Liquid level gauge with 708.1 head with plexi tube with threaded end
	84	Liquid level gauge with 708.1 head with glass tube with welding end
	85	Liquid level gauge with 708.1 head with plexi tube with welding end

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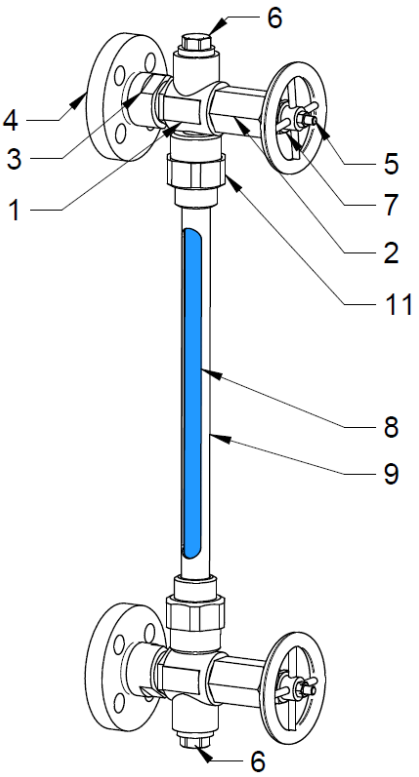

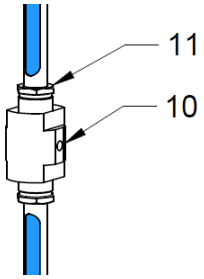

Connected tube type

	Head material →		G	M
	Part	**Type**	**50, 51, 52, 53, 54, 55**	
1	Liquid level gauge head 708.3	50, 51, 52, 53, 54, 55	P250GH 1.0460	X5CrNi18-10 1.4301
2	Screw		C45 1.0503	X5CrNi18-10 1.4301
3	Pipe		C45 1.0503	X5CrNi18-10 1.4301
4	Flange	50, 51	Carbon steel	Stainless steel
	Threaded end	52, 53		
	Welding ends	54, 55		
5	Pin	50, 51, 52, 53, 54, 55	X17CrNi16-2 1.4057	X5CrNi18-10 1.4301
6	Plug ½"		Carbon steel	Stainless steel
7	Gland		11SMnPb30 1.0718	X5CrNiMo17-12-2 1.4401
8	Tube	50, 52, 54	Glass	
		51, 53, 55	Plexi	
9	Tube cover	50, 51, 52, 53, 54, 55	E235	X5CrNi18-10 1.4301
10	Tube connector in cover		Carbon steel	X6CrNiTi18-10 1.4541
11	Screw / Nut		Carbon steel	X5CrNi18-10 1.4301

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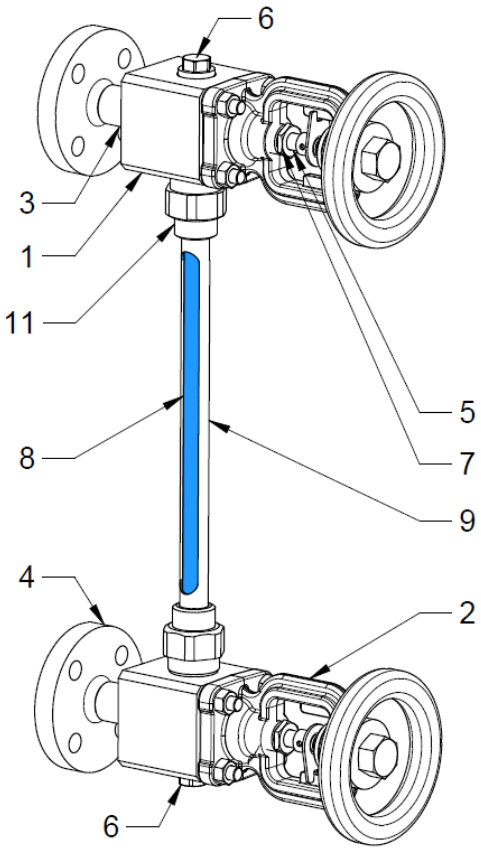

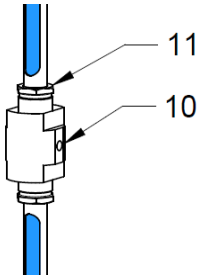

Type z rurką łączoną

	Head material →		N	M
	Part	**Type**	**80, 81, 82, 83, 84, 85**	
1	Liquid level gauge head 708.1	80, 81, 82, 83, 84, 85	S235JR 1.0037	X5CrNi18-10 1.4301
2	Cover		GP240GH 1.0619	GX5CrNiMo19-11-2 1.4408
3	Pipe		S235JR 1.0037	X6CrNiTi18-10 1.4541
4	Flange	80, 81	Carbon steel	Stainless steel
	Threaded end	82, 83		
	Welding ends	84, 85		
5	Pin	80, 81, 82, 83, 84, 85	X20Cr13 1.4021	X6CrNiTi18-10 1.4541
6	Plug ½"		Carbon steel	Stainless steel
7	Gland		11SMnPb30 1.0718	X5CrNiMo17-12-2 1.4401
8	Tube	80, 82, 84	Glass	
		81, 83, 85	Plexi	
9	Tube cover	80, 81, 82, 83, 84, 85	E235	X5CrNi18-10 1.4301
10	Tube connector in cover		Carbon steel	X6CrNiTi18-10 1.4541
11	Screw / Nut		Carbon steel	X5CrNi18-10 1.4301

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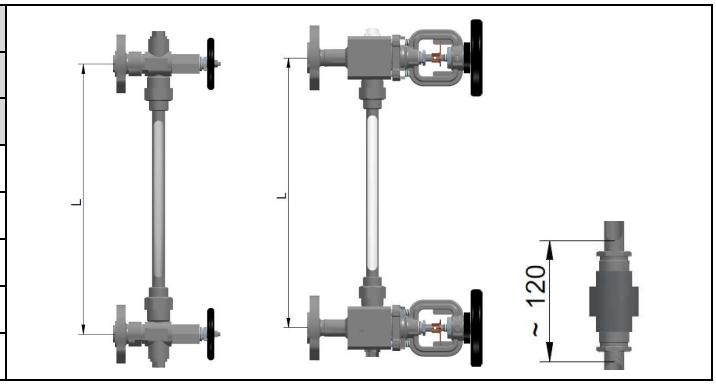
Dimensions

Head material	G , M	N , M
	with 708.3 head	with 708.1 head
	50, 51, 52, 53, 54, 55	80, 81, 82, 83, 84, 85
Lmin (mm)	250	
Lmax (mm) For single tube	1500	
Lmax (mm) For connected tube	5000	
Length of glass tube [mm]	L - 46	L - 60
Weight [kg] For a set of heads	4,2	7,5



End types

708G, 708N, 708M		DN15	DN20	DN25	DN32	DN40	DN50
Flange	Standard		PN40				
	Optional PN	10, 16, 25, 40, 63	10, 16, 25, 40, 63	10, 16, 25, 40, 63			
	Optional ANSI	Class 150, 300, 600					
708G, 708N, 708M		**½”**		**¾”**		**1”**	
Thread	Standard			G (Internal thread)			
	Optional PN*	G (Internal thread)				G (Internal thread)	
	Optional ANSI*	NPT (Internal thread)					

* Other threaded ends after consultation with the manufacturer

708G, 708N, 708M		
For welding	Standard	**For consultation with the manufacturer**
	Optional	

Pressure-temperature ratings

	PN		-10°C	RT	50 °C	100 °C	150 °C	200 °C
S235JR	16	bar	16	16	16	16	16	16
P250GH			16	16	16	16	16	16
X5CrNi18-10			16	16	16	16	16	16

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PN25

706

Liquid level gauge for welding

706

Application

Industries

INDUSTRY

HEATING

PETROCHEMICAL INDUSTRY

Media

DRINKING WATER

SEWAGE

NEUTRAL FLUIDS

INDUSTRY WATER

Technical data

Figure	Type	Body material		Glass type	PN	DN Flangea standard	Temperature range	Ends
706	01	N	S235JR	Reflective	D 25	Not applicable	-10°C ÷ +250°C	
				Transparent				
		M	X5CrNi18-10	Reflective				
				Transparent				

	Types	
Welding ends	01	Standard type for welding

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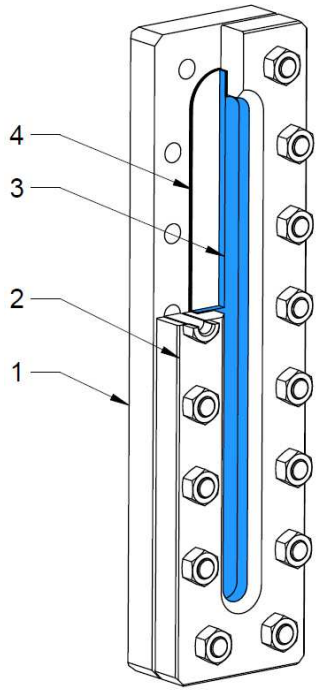
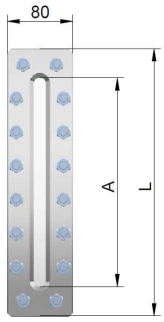
Materials



	Body material →		N	M
	Part	Type	01	
1	Body	01	S235JR 1.0038	X5CrNi18-10 1.4301
2	Cover		S235JR 1.0038	X5CrNi18-10 1.4301
3	Glass		Reflective glass, Transparent glass DIN 7081	
4	Gasket		Graphite / AIFOIL	

Dimensions

Body material	N , M				
Size	I	II	III	IV	V
L (mm)	186	211	266	326	366
A (mm) Type with single glass	115	140	195	255	295
Glass size (mm)	140x34x17	165x34x17	220x34x17	280x34x17	320x34x17
Weight [kg]	3,40	3,90	4,70	5,50	6,30



NOTE: Other lengths after consultation with the manufacturer, according to customer requirements

Pressure-temperature ratings

	PN		-10°C	RT	50 °C	100 °C	150 °C	200 °C	250 °C
S235JR	25	bar	20	20	20	20	18	16	14
X6CrNiTi18-10			20	20	20	20	18	16	14

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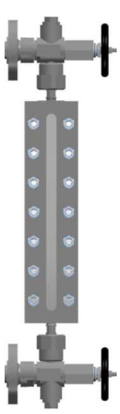
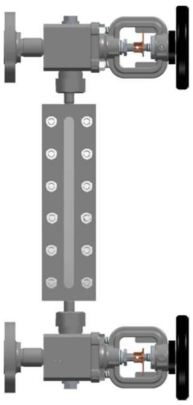
PN40

716

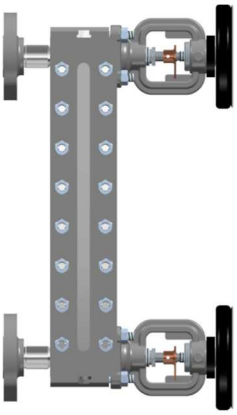
Liquid level gauge with reflective or transparent glass



716
Type 5



716
Type 6



716
Type 7

Application

Industries

INDUSTRY

SHIPBUILDING INDUSTRY

PETROCHEMICAL INDUSTRY

HEATING

Media

DRINKING WATER

SEWAGE

GLYCOL

INDUSTRY WATER

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Technical data

Figure	Type	Head material		Glass type	PN	DN standard flange	Temperature range	Ends
716	50	G	P250GH	Reflective	E 40	20	-10°C ÷ +300°C	
	51			Transparent			-10°C ÷ +300°C	
	52			Reflective			-10°C ÷ +300°C	
	53			Transparent			-10°C ÷ +300°C	
	54			Reflective			-10°C ÷ +300°C	
	55			Transparent			-10°C ÷ +300°C	
	60	N	S235JR	Reflective			-10°C ÷ +300°C	
	61			Transparent			-10°C ÷ +300°C	
	62			Reflective			-10°C ÷ +300°C	
	63			Transparent			-10°C ÷ +300°C	
	64			Reflective			-10°C ÷ +300°C	
	65			Transparent			-10°C ÷ +300°C	
	70			Reflective			-10°C ÷ +300°C	
	71			Transparent			-10°C ÷ +300°C	
	72			Reflective			-10°C ÷ +300°C	
	73			Transparent			-10°C ÷ +300°C	
	74			Reflective			-10°C ÷ +300°C	
	75			Transparent			-10°C ÷ +300°C	
	50	M	X5CrNi18-10	Reflective			-10°C ÷ +300°C	
	51			Transparent			-10°C ÷ +300°C	
	52			Reflective			-10°C ÷ +300°C	
	53			Transparent			-10°C ÷ +300°C	
	54			Reflective			-10°C ÷ +300°C	
	55			Transparent			-10°C ÷ +300°C	
	60			Reflective			-10°C ÷ +300°C	
	61			Transparent			-10°C ÷ +300°C	
	62			Reflective			-10°C ÷ +300°C	
	63			Transparent			-10°C ÷ +300°C	
	64			Reflective			-10°C ÷ +300°C	
	65			Transparent			-10°C ÷ +300°C	
	70			Reflective			-10°C ÷ +300°C	
	71			Transparent			-10°C ÷ +300°C	
	72			Reflective			-10°C ÷ +300°C	
	73			Transparent			-10°C ÷ +300°C	
	74			Reflective			-10°C ÷ +300°C	
	75			Transparent			-10°C ÷ +300°C	

End type	Types	
Flanged ends	50	Liquid level gauge with a central frame and 708.3 head with reflective glass with flanged end
Threaded end	51	Liquid level gauge with a central frame and 708.3 head with transparent glass with flanged end
Welding ends	52	Liquid level gauge with a central frame and 708.3 head with reflective glass with threaded end
	53	Liquid level gauge with a central frame and 708.3 head with transparent glass with threaded end
	54	Liquid level gauge with a central frame and 708.3 head with reflective glass with welding end
	55	Liquid level gauge with a central frame and 708.3 head with transparent glass with welding end
	60	Liquid level gauge with a central frame and 708.1 head with reflective glass with flanged end,
	61	Liquid level gauge with a central frame and 708.1 head with transparent glass with flanged end
	62	Liquid level gauge with a central frame and 708.1 head with reflective glass with threaded end
	63	Liquid level gauge with a central frame and 708.1 head with transparent glass with threaded end
	64	Liquid level gauge with a central frame and 708.1 head with reflective glass with welding end
	65	Liquid level gauge with a central frame and 708.1 head with transparent glass with welding end
	70	Liquid level gauge with a side frame and 708.1 head with reflective glass with flanged end,
	71	Liquid level gauge with a side frame and 708.1 head with transparent glass with flanged end
	72	Liquid level gauge with a side frame and 708.1 head with reflective glass with threaded end
	73	Liquid level gauge with a side frame and 708.1 head with transparent glass with threaded end
	74	Liquid level gauge with a side frame and 708.1 head with reflective glass with welding end
	75	Liquid level gauge with a side frame and 708.1 head with transparent glass with welding end

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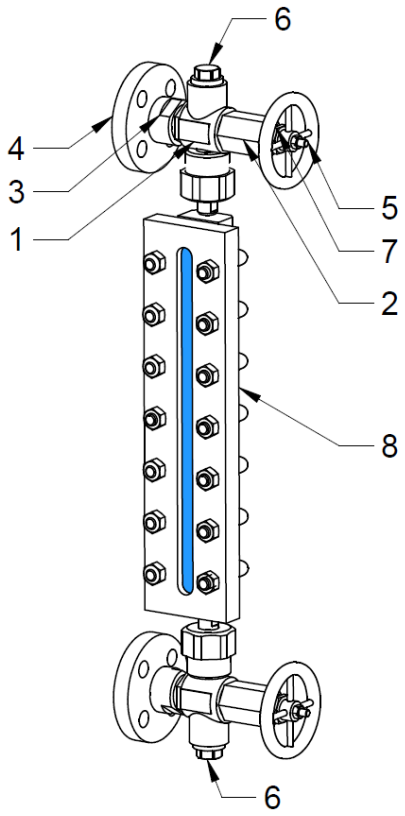
Materials



	Head material →		G	M
	Part	**Type**	**50, 51, 52, 53, 54, 55**	
1	Liquid level gauge head 708.3	50, 51, 52, 53, 54, 55	P250GH 1.0460	X5CrNi18-10 1.4301
2	Screw		C45 1.0503	X5CrNi18-10 1.4301
3	Pipe		C45 1.0503	X5CrNi18-10 1.4301
4	Flange	50, 51	Carbon steel	Stainless steel
	Threaded end	52, 53		
	Welding ends	54, 55		
5	Pin	50, 51, 52, 53, 54, 55	X17CrNi16-2 1.4057	X6CrNiTi18-10 1.4541
6	Plug ½”		Carbon steel	Stainless steel
7	Gland		11SMnPb30 1.0718	X5CrNiMo17-12-2 1.4401
8	Frame	50, 51, 52, 53, 54, 55	S235JR / C45 1.0037 / 1.0503	X5CrNi18-10 1.4301

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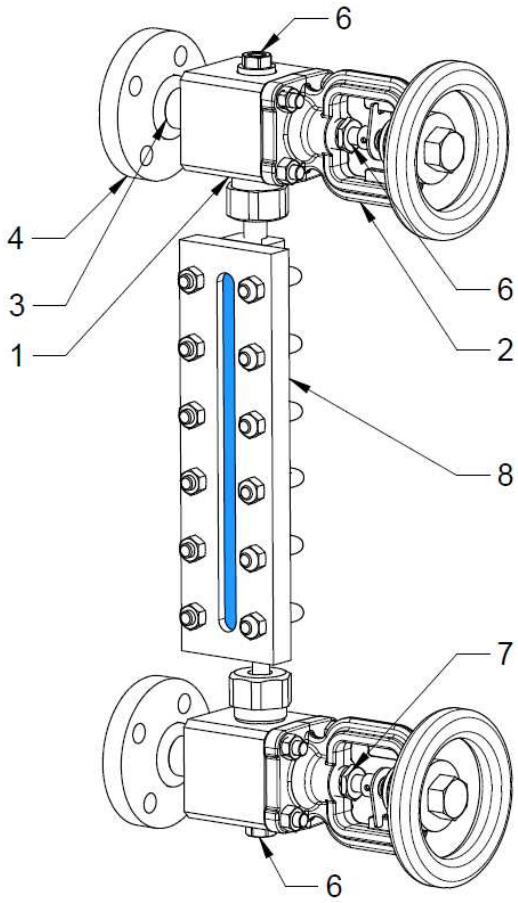

	Head material →		N	M
	Part	**Type**	**60, 61, 62, 63, 64, 65**	
1	Liquid level gauge head 708.1	60, 61, 62, 63, 64 ,65	S235JR 1.0037	X5CrNi18-10 1.4301
2	Cover		GP240GH 1.0619	GX5CrNiMo19-11-2 1.4408
3	Pipe		S235JR 1.0037	X6CrNiTi18-10 1.4541
4	Flange	60, 61	Carbon steel	Stainless steel
	Threaded end	62, 63		
	Welding ends	64, 65		
5	Pin	60, 61, 62, 63, 64 ,65	X20Cr13 1.4021	X6CrNiTi18-10 1.4541
6	Plug ½”		Carbon steel	Stainless steel
7	Gland		11SMnPb30 1.0718	X5CrNiMo17-12-2 1.4401
8	Frame		S235JR / C45 1.0037 /1.0503	X5CrNi18-10 1.4301

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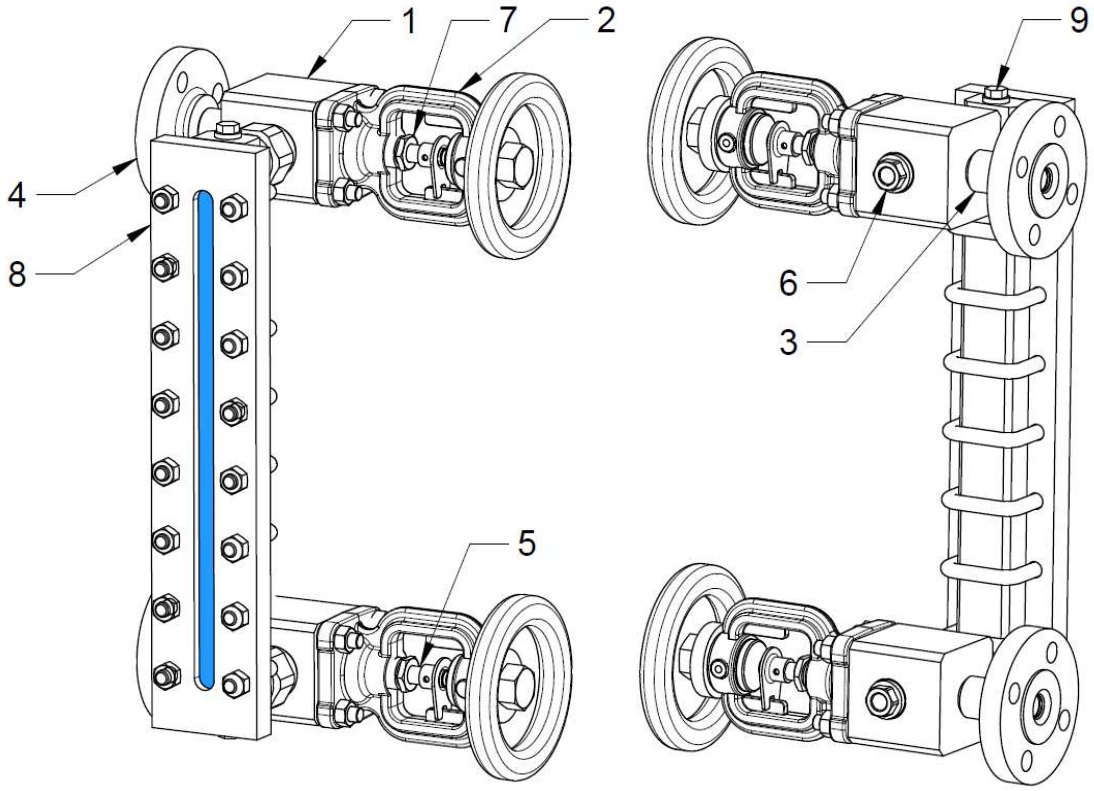

	Head material →		N	M
	Part	**Type**	**70, 71, 72, 73, 74, 75**	
1	Liquid level gauge head 708.1	70, 71, 72, 73, 74, 75	S235JR 1.0037	X5CrNi18-10 1.4301
2	Cover		GP240GH 1.0619	GX5CrNiMo19-11-2 1.4408
3	Pipe		S235JR 1.0037	X6CrNiTi18-10 1.4541
4	Flange	70, 71	Carbon steel	Stainless steel
	Threaded end	72, 73		
	Welding ends	74, 75		
5	Pin	70, 71, 72, 73, 74, 75	X20Cr13 1.4021	X6CrNiTi18-10 1.4541
6	Plug ½”		Carbon steel	Stainless steel
7	Gland		11SMnPb30 1.0718	X5CrNiMo17-12-2 1.4401
8	Frame		S235JR / C45 1.0037 / 1.0503	X5CrNi18-10 1.4301
9	Plug ¼”		Carbon steel	Stainless steel

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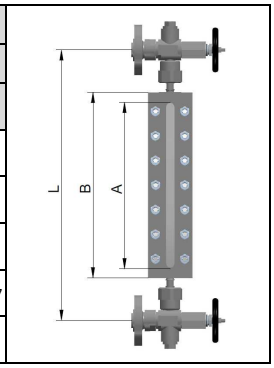
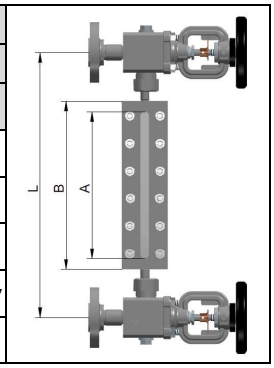
Dimensions (for types with single glass)

Head material	G, M											
Type	50, 51, 52, 53, 54, 55											
Size	0	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
L (mm)	280	305	330	360	390	420	460	480	510	570	600	640
A (mm)	115	140	165	195	225	255	295	315	345	405	435	475
B (mm)	152	177	202	232	262	292	332	352	382	442	472	512
Glass size (mm)	140x34x17	165x34x17	190x34x17	220x34x17	250x34x17	280x34x17	320x34x17	340x34x17	370x34x17	430x34x17	460x34x17	500x34x17
Weight [kg]	4,6	4,7	5,2	5,7	6,1	6,6	7,3	7,5	8,1	9	9,5	10,1



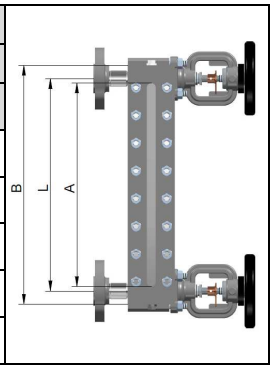
NOTE: Other lengths after consultation with the manufacturer, according to customer requirements

Head material	N, M											
Type	60, 61, 62, 63, 64 ,65											
Size	0	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
L (mm)	300	340	370	400	430	460	500	520	550	600	650	700
A (mm)	115	140	165	195	225	255	295	315	345	405	435	475
B (mm)	152	177	202	232	262	292	332	352	382	442	472	512
Glass size (mm)	140x34x17	165x34x17	190x34x17	220x34x17	250x34x17	280x34x17	320x34x17	340x34x17	370x34x17	430x34x17	460x34x17	500x34x17
Weight [kg]	10,0	10,1	10,6	11,1	11,5	12,0	12,7	12,9	13,5	14,4	14,9	15,5



NOTE: Other lengths after consultation with the manufacturer, according to customer requirements

Head material	N, M										
Type	70, 71, 72, 73, 74, 75										
Size	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
L (mm)	160	185	215	245	275	315	335	365	425	455	495
A (mm)	140	165	195	225	255	295	315	345	405	435	475
B (mm)	200	225	255	285	315	355	375	405	465	495	535
Glass size (mm)	165x34x17	190x34x17	220x34x17	250x34x17	280x34x17	320x34x17	340x34x17	370x34x17	430x34x17	460x34x17	500x34x17
Weight [kg]	10,6	11,1	11,5	11,9	12,5	13,1	13,4	13,9	14,8	15,3	16,0



NOTE: Other lengths after consultation with the manufacturer, according to customer requirements

End types

716G, 716N, 716M		DN15	DN20	DN25	DN32	DN40	DN50
Flange	Standard		PN40				
	Optional PN	10, 16, 25, 40, 63	10, 16, 25, 63	10, 16, 25, 40, 63			
	Optional ANSI	Class 150, 300, 600					
716G, 716N, 716M		**½"**		**¾"**		**1"**	
Thread	Standard			G (Internal thread)			
	Optional PN*	G (Internal and external thread)				G (Internal and external thread)	
	Optional ANSI*	NPT (Internal thread)					

* Other threaded ends after consultation with the manufacturer

716G, 716N, 716M		
For welding	Standard	**For consultation with the manufacturer**
	Optional	

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Pressure-temperature ratings

	PN		-10°C	RT	50 °C	100 °C	150 °C	200 °C	250 °C	300 °C
S235JR	40	bar	30	40	40	40	36	32	28	23,8
P250GH			30	40	40	40	36	30,2	28	25,8
X5CrNi18-10			38	38	35,6	27,6	24,9	22,6	21	19,6

Application restrictions

	For media that aggressively affect glass, e.g. saturated steam, hot water	
	bar	°C
Reflective glass type B	35	243
Transparent glass type B	35 (it is recommended to use mica covers)	243

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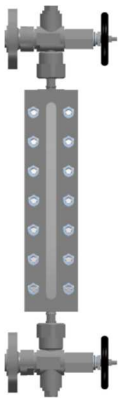
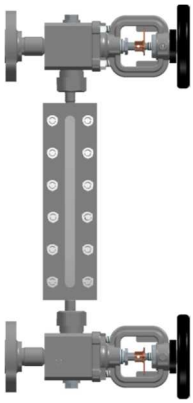
PN63

716

Liquid level gauge with reflective or transparent glass



716
Type 5



716
Type 6

Application

Industries

INDUSTRY

SHIPBUILDING INDUSTRY

PETROCHEMICAL INDUSTRY

HEATING

Media

DRINKING WATER

SEWAGE

GLYCOL

INDUSTRY WATER

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Technical data

Figure	Type	Head material		Glass type	PN	DN Standard flange	Temperature range	Ends
716	50	G	P250GH	Reflective	F 63	20	-10°C ÷ +300°C	
	51			Transparent			-10°C ÷ +300°C	
	52			Reflective			-10°C ÷ +300°C	
	53			Transparent			-10°C ÷ +300°C	
	54			Reflective			-10°C ÷ +300°C	
	55			Transparent			-10°C ÷ +300°C	
	60	Q	13CrMo4-5	Reflective			-10°C ÷ +300°C	
	61			Transparent			-10°C ÷ +300°C	
	62			Reflective			-10°C ÷ +300°C	
	63			Transparent			-10°C ÷ +300°C	
	64			Reflective			-10°C ÷ +300°C	
	65			Transparent			-10°C ÷ +300°C	
	50	M	X5CrNi18-10	Reflective			-10°C ÷ +300°C	
	51			Transparent			-10°C ÷ +300°C	
	52			Reflective			-10°C ÷ +300°C	
	53			Transparent			-10°C ÷ +300°C	
	54			Reflective			-10°C ÷ +300°C	
	55			Transparent			-10°C ÷ +300°C	
	60			Reflective			-10°C ÷ +300°C	
	61			Transparent			-10°C ÷ +300°C	
	62			Reflective			-10°C ÷ +300°C	
	63			Transparent			-10°C ÷ +300°C	
	64			Reflective			-10°C ÷ +300°C	
	65			Transparent			-10°C ÷ +300°C	

End type	Types	
 Flanged end	50	Liquid level gauge with a central frame and 708.3 head with reflective glass with flanged end
 Threaded end	51	Liquid level gauge with a central frame and 708.3 head with transparent glass with flanged end
 Welding end	52	Liquid level gauge with a central frame and 708.3 head with reflective glass with threaded end
	53	Liquid level gauge with a central frame and 708.3 head with transparent glass with threaded end
	54	Liquid level gauge with a central frame and 708.3 head with reflective glass with threaded end
	55	Liquid level gauge with a central frame and 708.3 head with transparent glass with welding end
	60	Liquid level gauge with a central frame and 708.1 head with reflective glass with flanged end,
	61	Liquid level gauge with a central frame and 708.1 head with transparent glass with flanged end
	62	Liquid level gauge with a central frame and 708.1 head with reflective glass with threaded end
	63	Liquid level gauge with a central frame and 708.1 head with transparent glass with threaded end
	64	Liquid level gauge with a central frame and 708.1 head with reflective glass with threaded end
	65	Liquid level gauge with a central frame and 708.1 head with transparent glass with welding end

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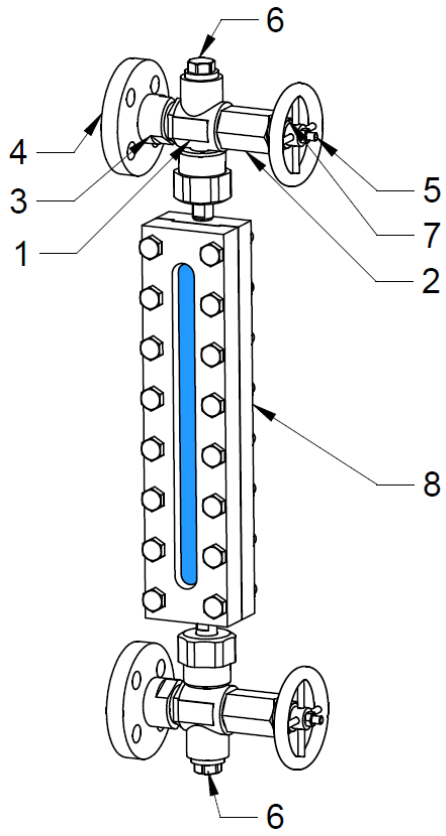
Materials



	Head material →		G	M
	Part	**Type**	**50, 51, 52, 53, 54, 55**	
1	Liquid level gauge head 708.3	50, 51, 52, 53, 54, 55	P250GH 1.0460	X5CrNi18-10 1.4301
2	Screw		C45 1.0503	X5CrNi18-10 1.4301
3	Pipe		C45 1.0503	X5CrNi18-10 1.4301
4	Flange	50, 51	Carbon steel	Stainless steel
	Threaded end	52, 53		
	Welding ends	54, 55		
5	Pin	50, 51, 52, 53, 54, 55	X17CrNi16-2 1.4057	X6CrNiTi18-10 1.4541
6	Plug ½"		Carbon steel	Stainless steel
7	Gland		11SMnPb30 1.0718	X5CrNiMo17-12-2 1.4401
8	Frame	50, 51, 52, 53, 54, 55	S235JR / C45 1.0037 / 1.0503	X5CrNi18-10 1.4301

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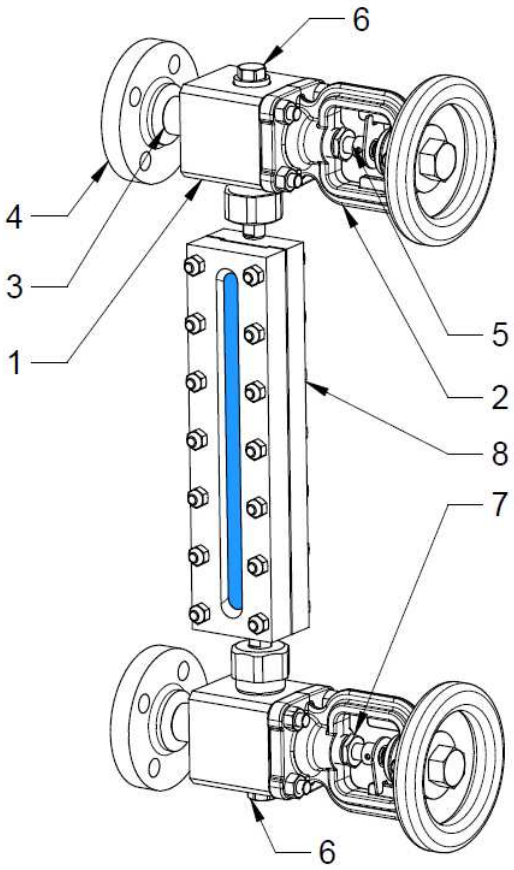

	Head material →		Q	M
	Part	**Type**	**60, 61, 62, 63, 64, 65**	
1	Liquid level gauge head 708.1	60, 61, 62, 63, 64 ,65	13CrMo4-5 1.7335	X5CrNi18-10 1.4301
2	Cover		GP240GH 1.0619	GX5CrNiMo19-11-2 1.4408
3	Pipe		13CrMo4-5 1.7335	X6CrNiTi18-10 1.4541
4	Flange	60, 61	Carbon steel	Stainless steel
	Threaded end	62, 63		
	Welding ends	64, 65		
5	Pin	60, 61, 62, 63, 64 ,65	X20Cr13 1.4021	X6CrNiTi18-10 1.4541
6	Plug ½”		Carbon steel	Stainless steel
7	Gland		11SMnPb30 1.0718	X5CrNiMo17-12-2 1.4401
8	Frame		S235JR / C45 1.0037 / 1.0503	X5CrNi18-10 1.4301

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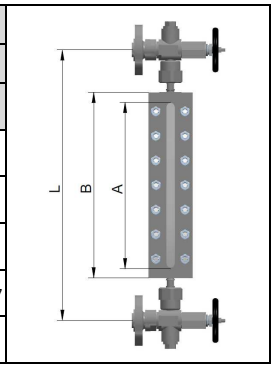
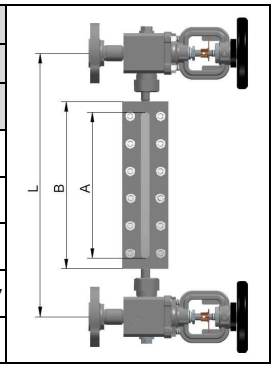
Dimensions (for types with single glass)

Head material	G, M											
Type	50, 51, 52, 53, 54, 55											
Size	0	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
L (mm)	300	325	350	380	410	440	480	500	530	590	620	660
A (mm)	115	140	165	195	225	255	295	315	345	405	435	475
B (mm)	172	197	222	252	282	312	352	372	402	462	492	532
Glass size (mm)	140x34x17	165x34x17	190x34x17	220x34x17	250x34x17	280x34x17	320x34x17	340x34x17	370x34x17	430x34x17	460x34x17	500x34x17
Weight [kg]	5,7	6,1	6,7	7,3	7,9	8,5	9,3	9,8	10,4	11,6	12,2	13



NOTE: Other lengths after consultation with the manufacturer, according to customer requirements

Head material	Q, M											
Type	60, 61, 62, 63, 64 ,65											
Size	0	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
L (mm)	320	360	390	420	450	480	520	540	570	620	670	720
A (mm)	115	140	165	195	225	255	295	315	345	405	435	475
B (mm)	172	197	222	252	282	312	352	372	402	462	492	532
Glass size (mm)	140x34x17	165x34x17	190x34x17	220x34x17	250x34x17	280x34x17	320x34x17	340x34x17	370x34x17	430x34x17	460x34x17	500x34x17
Weight [kg]	11,1	11,5	12,1	12,7	13,3	13,9	14,7	15,2	15,8	17,0	17,6	18,4



NOTE: Other lengths after consultation with the manufacturer, according to customer requirements

End types

716G, 716N, 716M		DN15	DN20	DN25	DN32	DN40	DN50
Flange	Standard		PN40				
	Optional PN	10, 16, 25, 40, 63	10, 16, 25, 63	10, 16, 25, 40, 63			
	Optional ANSI	Class 150, 300, 600					
716G, 716N, 716M		**½”**		**¾”**		**1”**	
Thread	Standard			G (Internal thread)			
	Optional PN*	G (Internal and external thread)				G (Internal and external thread)	
	Optional ANSI*	NPT (Internal thread)					

* Other threaded ends after consultation with the manufacturer

716G, 716N, 716M		
For welding	Standard	**For consultation with the manufacturer**
	Optional	

Pressure-temperature ratings

	PN		-10°C	RT	50 °C	100 °C	150 °C	200 °C	250 °C	300 °C
13CrMo4-5	63	bar	63	63	63	63	63	63	63	63
P250GH			63	63	63	60,6	57,2	56,9	54,7	51,3
X6CrNiTi18-10			55	63	63	62,4	58,8	55,8	53,1	49,4

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Application restrictions

		For media that aggressively affect glass, e.g. saturated steam, hot water	
		bar	°C
	Reflective glass type B	35	243
	Transparent glass type B	35 (it is recommended to use mica covers)	243

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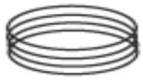
Other data

Types

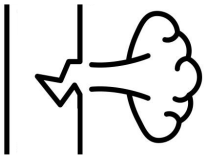
Measuring strip

Flanged end



Threaded end

Welding ends

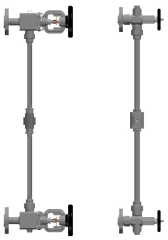


Anti-flow type in case of glass breakage (Flange)

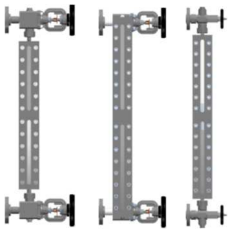
Type with plug

Type with drain valve

Type with air vent (automatic or manual)



Type with connected glass tube



Type with a connected frame

Type of liquid level gauge → Option ↓	706	708		716	
	-	50-55	80-85	50-55	80-85
Measuring strip	✗	✓	✓	✓	✓
Flanged end	✗	✓	✓	✓	✓
Threaded end	✗	✓	✓	✓	✓
Welding end	✗	✓	✓	✓	✓
Body for welding	✓	✗	✗	✗	✗
Anti-flow type in case of glass breakage[1]	✗	✓	✓	✓	✓
Type with plug	✗	✓	✓	✓	✓
Type with drain valve [2]	✗	✓	✓	✓	✓
Type with air vent	✗	✓	✓	✓	✓
Connected glass / plexi tube	✗	✓	✓	✗	✗
Type with a connected frame	✓	✗	✗	✓	✓

✓ Standard type
✓ Available option
✗ Unavailable option

[1] Applies to flanged ends
[2] Types depends on the parameters of the medium

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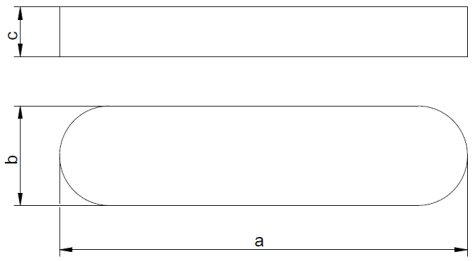
Spare parts

Liquid level gauge glasses with a set of gaskets (reflective and transparent)

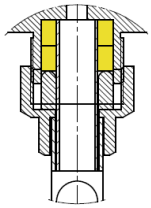
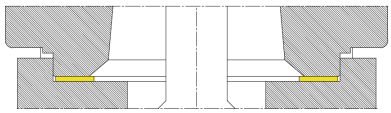
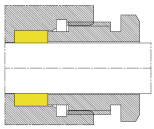
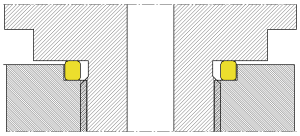
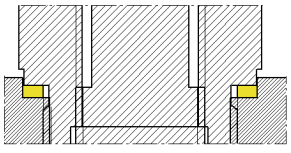


716 PN40
716 PN63
All types

a	b	c
140	34	17
165		
190		
220		
250		
280		
320		
340		
370		
430		
460		

Glass or plexi tube	708 PN16 All types	Length of a single tube L-1500 Possibility of making any length at the customer's request

Sealings

Drawing	Application	Description	Quantity required for a liquid level gauge
	708 PN16 Type 5, 8	Sealing the glass tube in the head	4
	716 PN40 Type 5, 6, 7 716 PN63 Type 5, 6,	Sealing of the liquid level gauge frame connector in the head	
	708 PN16 Type 8 716 PN40, PN63 Type 6, 7 716 PN63 Type 6	Liquid level gauge head gasket with cover	2
	708 PN16 716 PN40, PN63 All types	Gland gasket	2
	708 PN16 Type 5 716 PN40, PN63 Type 5	Gasket connecting the liquid level gauge head with the pipe	2
	708 PN16 Type 5 716 PN40, PN63 Type 5	Gasket connecting the liquid level gauge head with the screw	2

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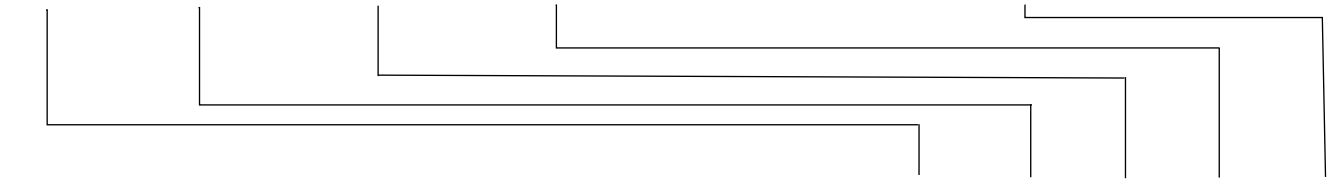
Ordering

For Fig. 708

Figure	Head material	Size	Nominal pressure	Type
708	N Carbon steel S235JR	250 - 5000	C 16 bar	50 Liquid level gauge with 708.3 head with glass tube with flanged end

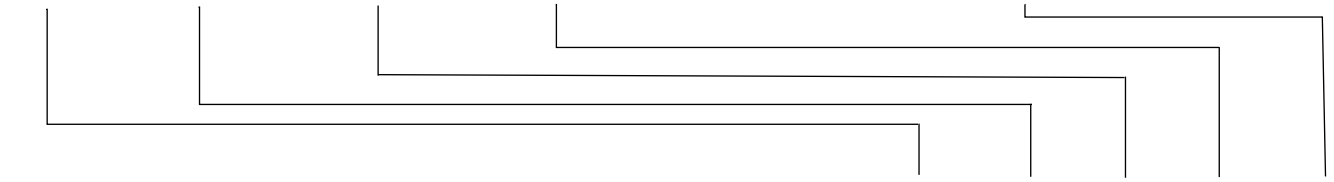


Order example acc. index **708 G 600 C 50**

Liquid level gauge with glass or plexi tube	**708**
Carbon steel	**G**
Size [mm]	**600**
Nominal pressure PN16	**C**
Liquid level gauge with 708.3 head with glass tube with flanged end	**50**

For Fig. 706 / 716

Figure	Body/Head material	Size	Nominal Pressure	Type
716	G Carbon steel P250GH	0 - XI	E 40 bar	50 Liquid level gauge with a central frame and 708.3 head with Reflective glass with flanged end,



Order example acc. index **716 G I E 50**

Liquid level gauge with reflective or transparent glass zGAU	**716**
Carbon steel	**G**
Size	**I**
Nominal pressure PN40	**E**
Liquid level gauge with a central frame and 708.3 head with reflective glass with flanged end	**60**

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Trade markings

PN16

Material			P250GH	
Mark			G	
End ⟶			Size 250 – 999 mm	Size 1000 – 5000 mm
708	50		708GxxxC50	708GxxxxC50
	51		708GxxxC51	708GxxxxC51
	52		708GxxxC52	708GxxxxC52
	53		708GxxxC53	708GxxxxC53
	54		708GxxxC54	708GxxxxC54
	55		708GxxxC55	708GxxxxC55
	Where xxx / xxxx – Size in mm			
Material			S235JR	
Mark			N	
End ⟶			Size 250 – 999 mm	Size 1000 – 5000 mm
708	80		708NxxxC80	708NxxxxC80
	81		708NxxxC81	708NxxxxC81
	82		708NxxxC82	708NxxxxC82
	83		708NxxxC83	708NxxxxC83
	84		708NxxxC84	708NxxxxC84
	85		708NxxxC85	708NxxxxC85
	Where xxx / xxxx – Size in mm			
Material			X5CrNi18-10	
Mark			M	
End ⟶			Size 250 – 999 mm	Size 1000 – 5000 mm
708	50		708NxxxC50	708NxxxxC50
	51		708NxxxC51	708NxxxxC51
	52		708NxxxC52	708NxxxxC52
	53		708NxxxC53	708NxxxxC53
	54		708NxxxC54	708NxxxxC54
	55		708NxxxC55	708NxxxxC55
	80		708NxxxC80	708NxxxxC80
	81		708NxxxC81	708NxxxxC81
	82		708NxxxC82	708NxxxxC82
	83		708NxxxC83	708NxxxxC83
	84		708NxxxC84	708NxxxxC84
	85		708NxxxC85	708NxxxxC85
	Where xxx / xxxx – Size in mm			

PN25

Material		S235JR					
Mark		N					
Size ⟶		I	II	III	IV	V	INNE
706	01	706NID01	706NIID01	706NIIID01	706NIVD01	706NVD01	706NxxxD01 / 706NxxxxD01
	Where xxx / xxxx – size inmm						
Material		X6CrNiTi18-10					
Mark		M					
Size ⟶		I	II	III	IV	V	INNE
706	01	706MID01	706MIID01	706MIIID01	706MIVD01	706MVD01	706MxxxD01 / 706MxxxxD01
	Where xxx / xxxx – size inmm						

PN40

Material			P250GH											
Mark			G											
Size ⟶			0	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	inny
716	50		716G0E50	716GIE50	716GIIE50	716GIIIE50	716GIVE50	716GVE50	716GVIE50	716GVIIE50	716GVIIIE50	716GXIE50	716GXE50	716GXIE50	716GxxxE50
	51		716G0E51	716GIE51	716GIIE51	716GIIIE51	716GIVE51	716GVE51	716GVIE51	716GVIIE51	716GVIIIE51	716GXIE51	716GXE51	716GXIE51	716GxxxE51
	52		716G0E52	716GIE52	716GIIE52	716GIIIE52	716GIVE52	716GVE52	716GVIE52	716GVIIE52	716GVIIIE52	716GXIE52	716GXE52	716GXIE52	716GxxxE52

Data given can be changed without notice.

Edition 01/2022

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	53		716G0E53	716GIE53	716GIIE53	716GIIIE53	716GIVE53	716GVE53	716GVIE53	716GVIIE53	716GVIIIE53	716GXIE53	716GXE53	716GXIE53	716GxxxE53
	54		716G0E54	716GIE54	716GIIE54	716GIIIE54	716GIVE54	716GVE54	716GVIE54	716GVIIE54	716GVIIIE54	716GXIE54	716GXE54	716GXIE54	716GxxxE54
	55		716G0E55	716GIE55	716GIIE55	716GIIIE55	716GIVE55	716GVE55	716GVIE55	716GVIIE55	716GVIIIE55	716GXIE55	716GXE55	716GXIE55	716GxxxE55
	Where xxx / xxxx – Size in mm														
Material			S235JR												
Mark			N												
Size ⟶			0	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	inny
716	60		716N0E60	716NIE60	716NIIE60	716NIIIE60	716NIVE60	716NVE60	716NVIE60	716NVIIE60	716NVIIIE60	716NXIE60	716NXE60	716NXIE60	716NxxxE60
	61		716N0E61	716NIE61	716NIIE61	716NIIIE61	716NIVE61	716NVE61	716NVIE61	716NVIIE61	716NVIIIE61	716NXIE61	716NXE61	716NXIE61	716NxxxE61
	62		716N0E62	716NIE62	716NIIE62	716NIIIE62	716NIVE62	716NVE62	716NVIE62	716NVIIE62	716NVIIIE62	716NXIE62	716NXE62	716NXIE62	716NxxxE62
	63		716N0E63	716NIE63	716NIIE63	716NIIIE63	716NIVE63	716NVE63	716NVIE63	716NVIIE63	716NVIIIE63	716NXIE63	716NXE63	716NXIE63	716NxxxE63
	64		716N0E64	716NIE64	716NIIE64	716NIIIE64	716NIVE64	716NVE64	716NVIE64	716NVIIE64	716NVIIIE64	716NXIE64	716NXE64	716NXIE64	716NxxxE64
	65		716N0E65	716NIE65	716NIIE65	716NIIIE65	716NIVE65	716NVE65	716NVIE65	716NVIIE65	716NVIIIE65	716NXIE65	716NXE65	716NXIE65	716NxxxE65
	70			716NIE70	716NIIE70	716NIIIE70	716NIVE70	716NVE70	716NVIE70	716NVIIE70	716NVIIIE70	716NXIE70	716NXE70	716NXIE70	716NxxxE70
	71			716NIE71	716NIIE71	716NIIIE71	716NIVE71	716NVE71	716NVIE71	716NVIIE71	716NVIIIE71	716NXIE71	716NXE71	716NXIE71	716NxxxE71
	72			716NIE72	716NIIE72	716NIIIE72	716NIVE72	716NVE72	716NVIE72	716NVIIE72	716NVIIIE72	716NXIE72	716NXE72	716NXIE72	716NxxxE72
	73			716NIE73	716NIIE73	716NIIIE73	716NIVE73	716NVE73	716NVIE73	716NVIIE73	716NVIIIE73	716NXIE73	716NXE73	716NXIE73	716NxxxE73
	74			716NIE74	716NIIE74	716NIIIE74	716NIVE74	716NVE74	716NVIE74	716NVIIE74	716NVIIIE74	716NXIE74	716NXE74	716NXIE74	716NxxxE74
	75			716NIE75	716NIIE75	716NIIIE75	716NIVE75	716NVE75	716NVIE75	716NVIIE75	716NVIIIE75	716NXIE75	716NXE75	716NXIE75	716NxxxE75
	Where xxx / xxxx – Size in mm														
Material			X5CrNi18-10												
Mark			M												
Size ⟶			0	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	inny
716	50		716M0E50	716MIE50	716MIIE50	716MIIIE50	716MIVE50	716MVE50	716MVIE50	716MVIIE50	716MVIIIE50	716MXIE50	716MXE50	716MXIE50	716MxxxE50
	51		716M0E51	716MIE51	716MIIE51	716MIIIE51	716MIVE51	716MVE51	716MVIE51	716MVIIE51	716MVIIIE51	716MXIE51	716MXE51	716MXIE51	716MxxxE51
	52		716M0E52	716MIE52	716MIIE52	716MIIIE52	716MIVE52	716MVE52	716MVIE52	716MVIIE52	716MVIIIE52	716MXIE52	716MXE52	716MXIE52	716MxxxE52
	53		716M0E53	716MIE53	716MIIE53	716MIIIE53	716MIVE53	716MVE53	716MVIE53	716MVIIE53	716MVIIIE53	716MXIE53	716MXE53	716MXIE53	716MxxxE53
	54		716M0E54	716MIE54	716MIIE54	716MIIIE54	716MIVE54	716MVE54	716MVIE54	716MVIIE54	716MVIIIE54	716MXIE54	716MXE54	716MXIE54	716MxxxE54
	55		716M0E55	716MIE55	716MIIE55	716MIIIE55	716MIVE55	716MVE55	716MVIE55	716MVIIE55	716MVIIIE55	716MXIE55	716MXE55	716MXIE55	716MxxxE55
	60		716M0E60	716MIE60	716MIIE60	716MIIIE60	716MIVE60	716MVE60	716MVIE60	716MVIIE60	716MVIIIE60	716MXIE60	716MXE60	716MXIE60	716MxxxE60
	61		716M0E61	716MIE61	716MIIE61	716MIIIE61	716MIVE61	716MVE61	716MVIE61	716MVIIE61	716MVIIIE61	716MXIE61	716MXE61	716MXIE61	716MxxxE61
	62		716M0E62	716MIE62	716MIIE62	716MIIIE62	716MIVE62	716MVE62	716MVIE62	716MVIIE62	716MVIIIE62	716MXIE62	716MXE62	716MXIE62	716MxxxE62
	63		716M0E63	716MIE63	716MIIE63	716MIIIE63	716MIVE63	716MVE63	716MVIE63	716MVIIE63	716MVIIIE63	716MXIE63	716MXE63	716MXIE63	716MxxxE63
	64		716M0E64	716MIE64	716MIIE64	716MIIIE64	716MIVE64	716MVE64	716MVIE64	716MVIIE64	716MVIIIE64	716MXIE64	716MXE64	716MXIE64	716MxxxE64
	65		716M0E65	716MIE65	716MIIE65	716MIIIE65	716MIVE65	716MVE65	716MVIE65	716MVIIE65	716MVIIIE65	716MXIE65	716MXE65	716MXIE65	716MxxxE65
	70			716MIE70	716MIIE70	716MIIIE70	716MIVE70	716MVE70	716MVIE70	716MVIIE70	716MVIIIE70	716MXIE70	716MXE70	716MXIE70	716MxxxE70
	71			716MIE71	716MIIE71	716MIIIE71	716MIVE71	716MVE71	716MVIE71	716MVIIE71	716MVIIIE71	716MXIE71	716MXE71	716MXIE71	716MxxxE71
	72			716MIE72	716MIIE72	716MIIIE72	716MIVE72	716MVE72	716MVIE72	716MVIIE72	716MVIIIE72	716MXIE72	716MXE72	716MXIE72	716MxxxE72
	73			716MIE73	716MIIE73	716MIIIE73	716MIVE73	716MVE73	716MVIE73	716MVIIE73	716MVIIIE73	716MXIE73	716MXE73	716MXIE73	716MxxxE73
	74			716MIE74	716MIIE74	716MIIIE74	716MIVE74	716MVE74	716MVIE74	716MVIIE74	716MVIIIE74	716MXIE74	716MXE74	716MXIE74	716MxxxE74
	75			716MIE75	716MIIE75	716MIIIE75	716MIVE75	716MVE75	716MVIE75	716MVIIE75	716MVIIIE75	716MXIE75	716MXE75	716MXIE75	716MxxxE75
	Where xxx / xxxx – Size in mm														

PN63

Material			P250GH												
Mark			G												
Size ⟶			0	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	inny
716	50		716G0F50	716GIF50	716GIIF50	716GIIIF50	716GIVF50	716GVF50	716GVIF50	716GVIIF50	716GVIIIF50	716GXIF50	716GXF50	716GXIF50	716GxxxF50
	51		716G0F51	716GIF51	716GIIF51	716GIIIF51	716GIVF51	716GVF51	716GVIF51	716GVIIF51	716GVIIIF51	716GXIF51	716GXF51	716GXIF51	716GxxxF51
	52		716G0F52	716GIF52	716GIIF52	716GIIIF52	716GIVF52	716GVF52	716GVIF52	716GVIIF52	716GVIIIF52	716GXIF52	716GXF52	716GXIF52	716GxxxF52
	53		716G0F53	716GIF53	716GIIF53	716GIIIF53	716GIVF53	716GVF53	716GVIF53	716GVIIF53	716GVIIIF53	716GXIF53	716GXF53	716GXIF53	716GxxxF53
	54		716G0F54	716GIF54	716GIIF54	716GIIIF54	716GIVF54	716GVF54	716GVIF54	716GVIIF54	716GVIIIF54	716GXIF54	716GXF54	716GXIF54	716GxxxF54
	55		716G0F55	716GIF55	716GIIF55	716GIIIF55	716GIVF55	716GVF55	716GVIF55	716GVIIF55	716GVIIIF55	716GXIF55	716GXF55	716GXIF55	716GxxxF55
	Where xxx / xxxx – Size in mm														
Material			13CrMo4-5												
Mark			Q												
Size ⟶			0	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	inny
716	60		716Q0F60	716QIF60	716QIIF60	716QIIIF60	716QIVF60	716QVF60	716QVIF60	716QVIIF60	716QVIIIF60	716QXIF60	716QXF60	716QXIF60	716QxxxF60
	61		716Q0F61	716QIF61	716QIIF61	716QIIIF61	716QIVF61	716QVF61	716QVIF61	716QVIIF61	716QVIIIF61	716QXIF61	716QXF61	716QXIF61	716QxxxF61
	62		716Q0F62	716QIF62	716QIIF62	716QIIIF62	716QIVF62	716QVF62	716QVIF62	716QVIIF62	716QVIIIF62	716QXIF62	716QXF62	716QXIF62	716QxxxF62
	63		716Q0F63	716QIF63	716QIIF63	716QIIIF63	716QIVF63	716QVF63	716QVIF63	716QVIIF63	716QVIIIF63	716QXIF63	716QXF63	716QXIF63	716QxxxF63
	64		716Q0F64	716QIF64	716QIIF64	716QIIIF64	716QIVF64	716QVF64	716QVIF64	716QVIIF64	716QVIIIF64	716QXIF64	716QXF64	716QXIF64	716QxxxF64

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	65		716Q0F65	716QIF65	716QIIF65	716QIIIF65	716QIVF65	716QVF65	716QVIF65	716QVIIF65	716QVIIIF65	716QXIF65	716QXF65	716QXIF65	716QxxxF65
	Where xxx / xxxx – Size in mm														
Material			X5CrNi18-10												
Mark			M												
Size ⟶			0	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	inny
716	50		716M0F50	716MIF50	716MIIF50	716MIIIF50	716MIVF50	716MVF50	716MVIF50	716MVIIF50	716MVIIIF50	716MXIF50	716MXF50	716MXIF50	716MxxxF50
	51		716M0F51	716MIF51	716MIIF51	716MIIIF51	716MIVF51	716MVF51	716MVIF51	716MVIIF51	716MVIIIF51	716MXIF51	716MXF51	716MXIF51	716MxxxF51
	52		716M0F52	716MIF52	716MIIF52	716MIIIF52	716MIVF52	716MVF52	716MVIF52	716MVIIF52	716MVIIIF52	716MXIF52	716MXF52	716MXIF52	716MxxxF52
	53		716M0F53	716MIF53	716MIIF53	716MIIIF53	716MIVF53	716MVF53	716MVIF53	716MVIIF53	716MVIIIF53	716MXIF53	716MXF53	716MXIF53	716MxxxF53
	54		716M0F54	716MIF54	716MIIF54	716MIIIF54	716MIVF54	716MVF54	716MVIF54	716MVIIF54	716MVIIIF54	716MXIF54	716MXF54	716MXIF54	716MxxxF54
	55		716M0F55	716MIF55	716MIIF55	716MIIIF55	716MIVF55	716MVF55	716MVIF55	716MVIIF55	716MVIIIF55	716MXIF55	716MXF55	716MXIF55	716MxxxF55
	60		716M0F60	716MIF60	716MIIF60	716MIIIF60	716MIVF60	716MVF60	716MVIF60	716MVIIF60	716MVIIIF60	716MXIF60	716MXF60	716MXIF60	716MxxxF60
	61		716M0F61	716MIF61	716MIIF61	716MIIIF61	716MIVF61	716MVF61	716MVIF61	716MVIIF61	716MVIIIF61	716MXIF61	716MXF61	716MXIF61	716MxxxF61
	62		716M0F62	716MIF62	716MIIF62	716MIIIF62	716MIVF62	716MVF62	716MVIF62	716MVIIF62	716MVIIIF62	716MXIF62	716MXF62	716MXIF62	716MxxxF62
	63		716M0F63	716MIF63	716MIIF63	716MIIIF63	716MIVF63	716MVF63	716MVIF63	716MVIIF63	716MVIIIF63	716MXIF63	716MXF63	716MXIF63	716MxxxF63
	64		716M0F64	716MIF64	716MIIF64	716MIIIF64	716MIVF64	716MVF64	716MVIF64	716MVIIF64	716MVIIIF64	716MXIF64	716MXF64	716MXIF64	716MxxxF64
	65		716M0F65	716MIF65	716MIIF65	716MIIIF65	716MIVF65	716MVF65	716MVIF65	716MVIIF65	716MVIIIF65	716MXIF65	716MXF65	716MXIF65	716MxxxF65
	Where xxx / xxxx – Size in mm														

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