STAINLESS STEEL LEVEL GAUGE

CARACTERISTIQUES

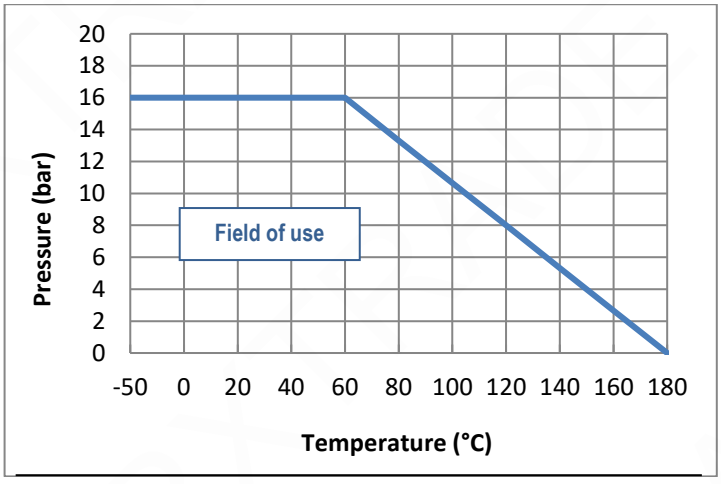
The stainless steel level gauge allows the visualization of the liquid level in a tank. The lower part consists of the needle isolation valve and the upper part of a tube-holder connection. Stainless steel construction, it can be used on food liquids and in corrosive environments. It can be fitted with a glass tube according to the characteristics below.

AVAILABLE MODELS

Connections	Ø tube (mm)
G 3/8 "	14
G 1/2 "	14
G 1/2 "	16
G 1/2 "	24
G 1"	20

LIMITS OF USE

Fluid pressure : PS	16 bar
Fluid temperature : TS	-50°C / +200°C



Use may be limited by the characteristics of the tube used.

DIRECTIVES AND MANUFACTURING STANDARDS

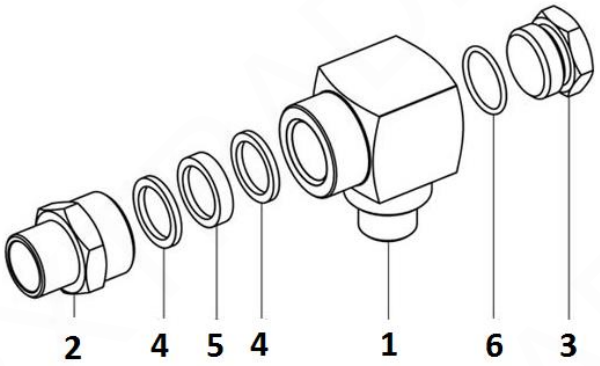
Objet	Standard
Pressure Equipment Directive 2014/68	not subject
Food	FDA

ISO 9001

CONSTRUCTION

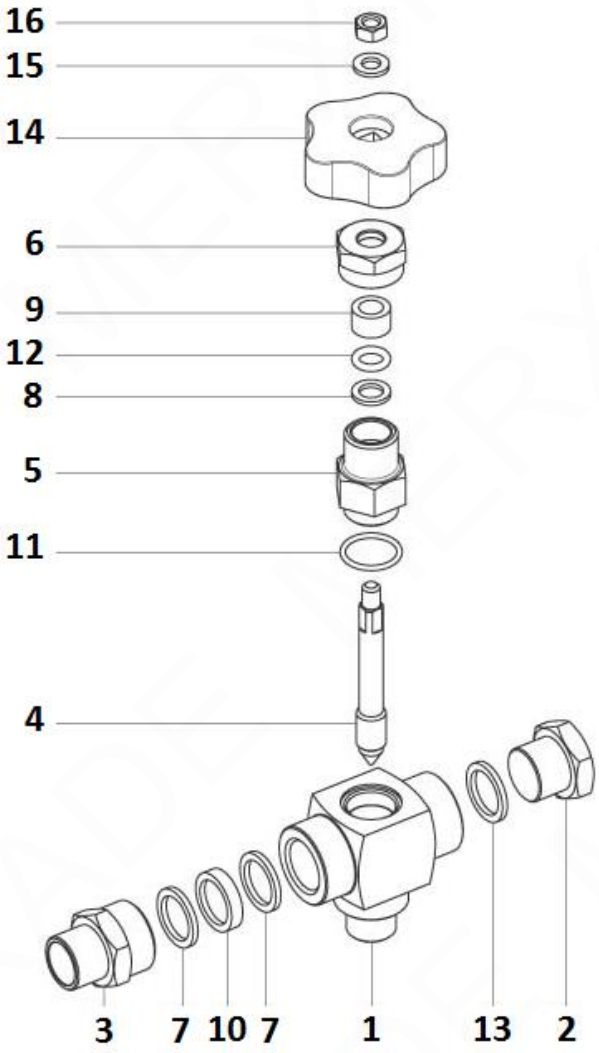
UPPER PARTS

Part	Designation	Material
1	Body	Stainless steel AISI 316
2	Tube holder	Stainless steel AISI 316
3	Plug	Stainless steel AISI 316
4	Guide Ring	PTFE
5	Gasket	FPM
6	O-ring	FPM

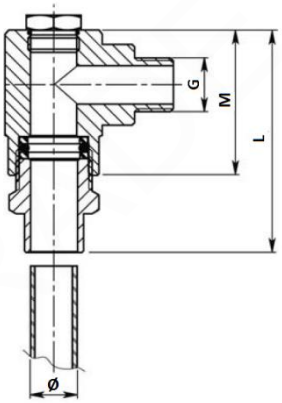


LOWER PARTS

Part	Designation	Material
1	Body	Stainless steel AISI 316
2	Plug	Stainless steel AISI 316
3	Tube holder	Stainless steel AISI 316
4	Needle	Stainless steel AISI 316
5	End cap	Stainless steel AISI 316
6	Washer	Stainless steel AISI 316
7	Gasket	PTFE
8	Seal	PTFE
9	Seam	Fibreglass reinforced PTFE
10	Gasket	FKM
11	O-ring	FKM
12	O-ring	FKM
13	O-ring	FMM
14	Hand Wheel	Duroplast
15	Washer	Stainless steel AISI 304
16	Nut	Stainless steel AISI 304

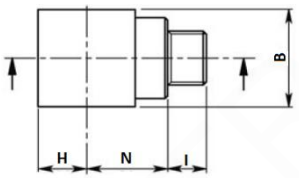


DIMENSIONS (mm)

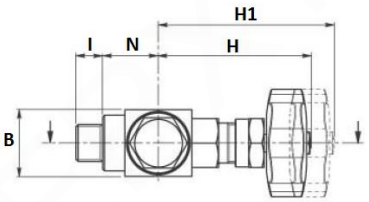


UPPER PART

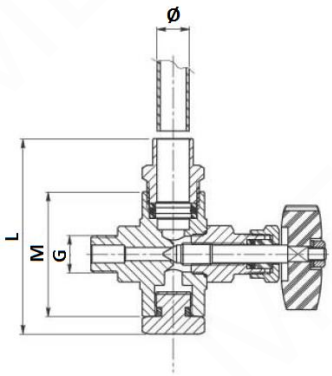
DN	3/8“	1/2“	1/2“	1/2“	1“
Ø	14	14	16	24	20
L	65	65	65	78	60
B	30	30	30	30	40
M	44	44	44	44	50
N	25	25	25	25	25
I	12	12	12	12	14
Weight (kg)	0,3	0,3	0,3	0,3	0,6



LOWER PART



DN	3/8“	1/2“	1/2“	1/2“	1“
Ø	14	14	16	24	20
L	85	85	85	100	83
B	30	30	30	30	40
M	56	56	56	60	53
N	25	25	25	25	25
I	12	12	12	12	14
H	72	72	72	72	110
H1	80	80	80	80	127
Weight (kg)	0,5	0,52	0,52	0,65	1,20



HOW TO CALCULATE THE TUBE LENGTH

The length of the tube is equal to the centre distance minus 28mm for 3/8’’ and 1/2’’ tube diameter 14 and 16.
The length of the tube is equal to the centre distance minus 70mn for 1/2" tube diameter 24.
The length of the tube is equal to the centre distance minus 36mn for 1" tube diameter 20.

OPTIONS

Please contact our office for the different options

1	DN 3/8’’ 12mm tube
2	DN 3/8’’ 16mm tube
3	DN 1/2’’ 12mm tube
4	Sample valve on lower valve

STAINLESS STEEL LEVEL GAUGE

MONTAGE

1 - Verify that the tank is empty.
2 - To install the level gauge, begin by screwing the bottom part with the bleeding screw on the tank. Use a material appropriate to the fluid in order to guarantee tightness of the thread on the tank. Close the bleeder screw
3 - Then screw the top valve on the tank (same way as the bottom part).
4 - To install the tube, start by unscrewing the set nut and guide ring from the bottom part, insert the tube in the guide ring, the nut and the washer. Insert, screw and tighten the bottom assembly.
5 - For the top part, unscrew the set nut and guide ring. Take the face to face dimension between the bottom and the top part in order to cut the tube in the correct length. See above how to calculate the tube length. Insert the tube in the guide ring, the nut and the washer. Insert, screw and tighten the top assembly.

USE

1 - Close the bleeder screw.
2 - See the level in the tube.

MAINTENANCE

1 - Close for the arrival of the liquid.
2 - Empty the tank.
3 - Open the bleeder screw and recuperate the liquid the tube.
4 - Unscrew the bottom and upper tightening screw.
5 - Remove the tube for cleaning or replacement of the tube and washer of the same reference.
6 - Tighten the lower and upper nuts without excess so that the tube does not break.
7 - Close the bleeder screw.