



LEVEL GAUGES

YPBR - YUPR - YMPT - YUPT

2016 - 11

Yakacık Level Gauges

Level Gauges

YPBR - YUPR - YUPT - YMPT

YAKACIK VALF Level Gauges have high mechanical endurance for various fluids such as steam and high temperature hot water.

Fluid type, pressure and temperature are the main parameters used to choose the suitable level gauge.



Application Areas

- Oil Refinery Plants
- Petrochemical Industry
- Pharmaceutical Plants
- Tank and Boilers
- Chemical Processes
- Textile Industry
- Shipyards
- Paper Industry



Yakacık

Level Gauges

■ Level Gauges for Steam and High Temp. Hot Water

Temperature and pressure affect the fluid properties. While steam chemically affects the glass, condensate mechanically affects it. The environmental and working conditions for steam generating plants and process industries such as oil refinery plants, are quite different. Those differences should be taken into consideration to choose the suitable Level Gauge.

■ Proven Safety for Glass Breakage

When compared to other pressure vessels, the steam boilers are more frequently started and stopped. So the glass and the gauge is very important for them. The gauge body and the glass must be mechanically strong and resistant to thermal stresses. Transparent glass is placed in between special gaskets. The housing of glass is metal. If glass is broken, it does not spill out in tiny parts.

■ Reflex Gauges: Up to 32 Bars

For pressure levels which do not exceed 32 bars, the Reflex Gauges are the most economical solutions for steam boilers.

■ Transparent, Mica Protected Gauges: Up to 120 Bars

Transparent Level Gauges can be used up to 120 bars. If the pressure exceeds 32 bars and the temperature exceeds 230°C, the surface of the glass in contact with the fluid, should be protected by mica. Equipping Transparent Level Gauges with an illuminator, enables easy observing.



■ Level Gauges for Process Industries

The environmental and working conditions, temperature and pressure should be taken into consideration to choose the suitable Level Gauge used in Process Industries.

■ Temperature Range -196°C + 400°C

Level Gauges which are used in the process industries, are mainly exposed to non-varying conditions: extremely high pressures at low temperatures or low pressures at high temperatures.

■ Applications at Low Temperature

At cryogenic conditions, the metallic materials should have enough strength. Properties of the glass do not change very much with low temperatures.

■ Visibility Problem Due to Icing

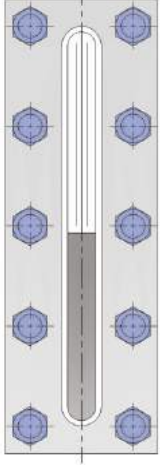
With ice forming on the glass, the visibility deteriorates. For such cases, YAKACIK VALF presents antifreeze blocks. These blocks enable visibility in low temperatures. Level Gauges equipped with such accessories must be isolated depending on the temperature level.

■ Supplementary Heating Systems

If the environment temperature drops to levels at which the fluid solidifies, it becomes impossible to use the Level Gauge. For such circumstances, YAKACIK VALF supplies supplementary heating systems. The medium is thereby maintained in the liquid state and good visibility is ensured.

Yakacık Level Gauges

YAKACIK VALF Level Gauges enable the observer to monitor the fluid levels from outside.



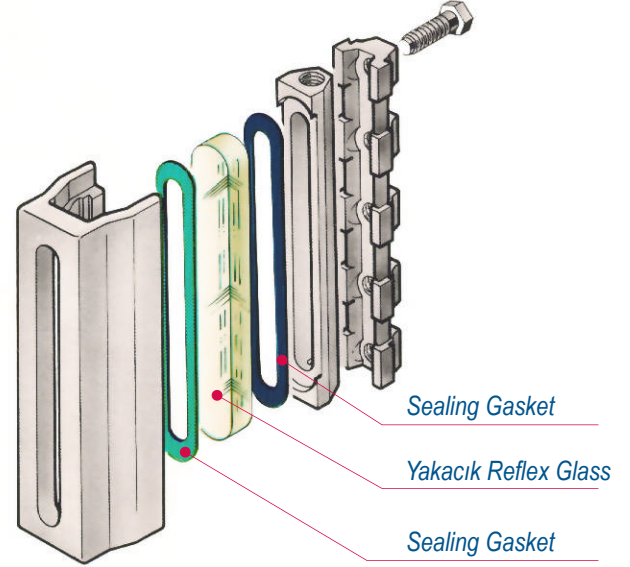
1 - Reflex Gauges

A sealed reflex glass is placed into the gauge body.
The fluid level can be seen from one side only.

Application for Steam: Saturated steam up to 32 bars.

Display is quite clear. Steam zone appears in bright silver color. Liquid zone is dark.

Depending on the fluid type, Reflex Gauges are used up to 400 bars and 400°C.



Operating Principle of Reflex Glass

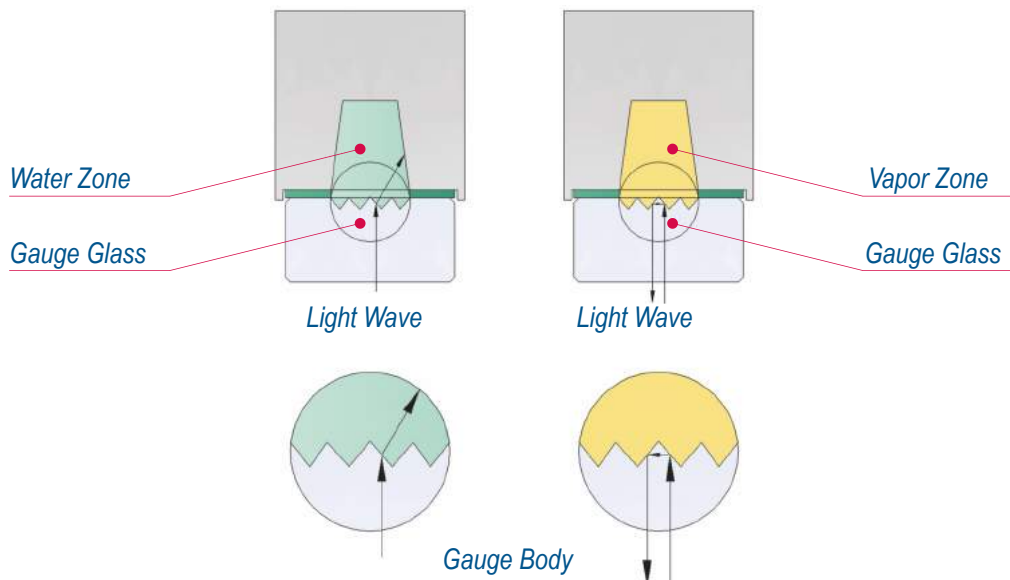
Operation principle of Reflex Level Gauges is based on refractive index differences of liquids and gases for example water and steam. Reflex glass is assembled into the steel body which covers the steam and the water. Water level can be observed through the split behind the glass.

There are prismatic grooves in Yakacık reflex glass. They are in contact with fluid. External light waves are absorbed in the fluid zone and reflected back in vapor zone. As a result, the water zone is seen as black, the vapor zone is seen as bright silver-white. The fluid level can be monitored easily.

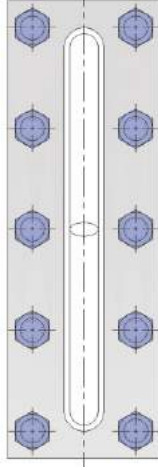
YAKACIK VALF Reflex Glasses

Yakacık Valf reflex glasses are made of borosilicate. They are heat treated and have big resistance to erosion. They are not affected by thermal shocks and static temperature differences.

Sealing gasket is provided with level gauge glass.



Yakacık Level Gauges



2- Transparent Gauges

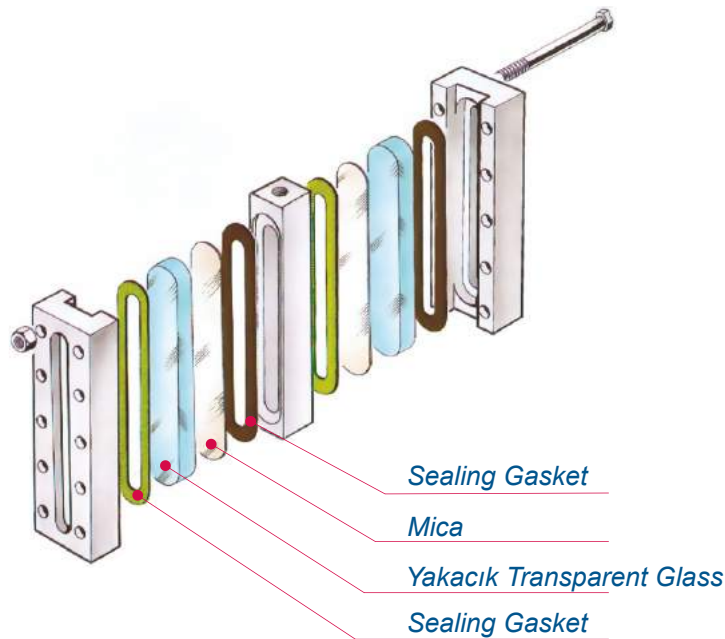
Two transparent glasses are mounted in the gauge body. The fluid level can be seen from two sides: front and back.

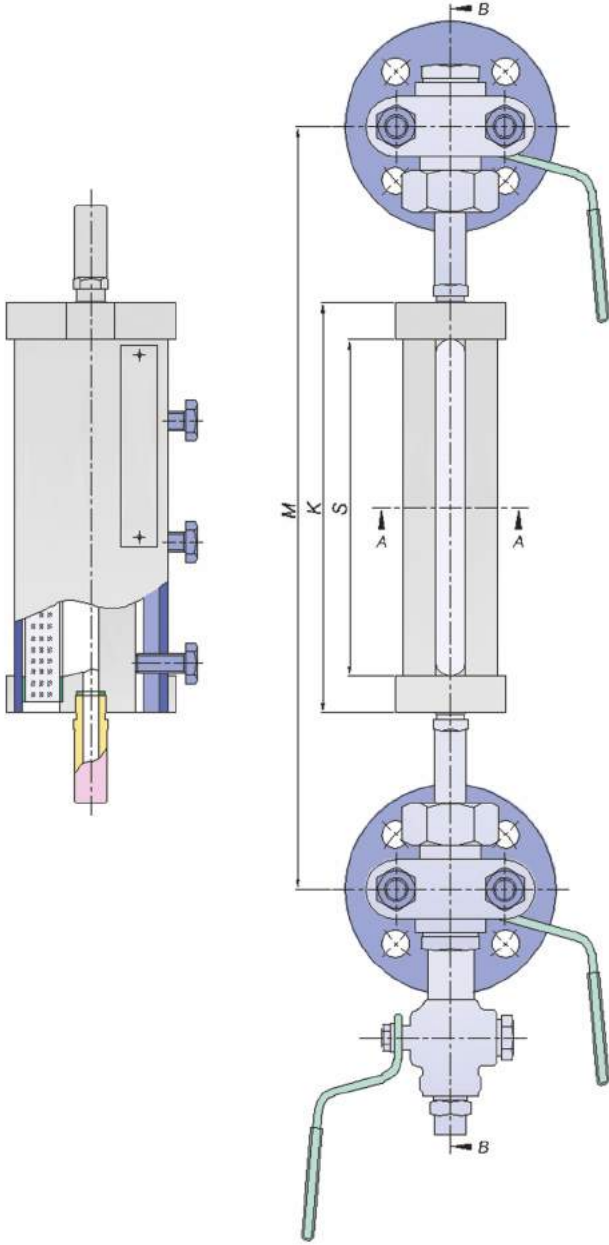
Application for Steam: *Saturated steam up to 120 bars. Gauge glasses are protected by mica placed in between the liquid and the glass.*

Display : *An illuminator is necessary. Light creates an elliptic line between the vapor and the water zones.*

In Other Fluids : *Up to 100 bars and 120°C. For colorless fluids like water, illuminator is necessary. For colored fluids, illuminator may not be needed.*

Display : *When an illuminator is used, the liquid level is seen as an ellipse line. For colored liquids, the level is the top of dark liquid column.*





Level Gauges

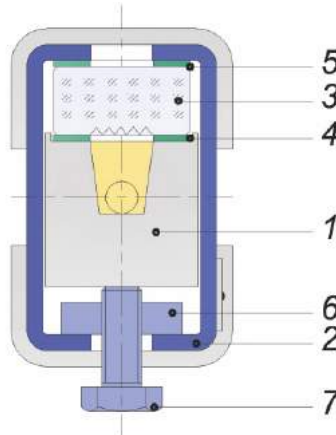
Type: YPBR PN16

16 bars 200°C

310 - 2785mm

Level Gauge Type	Distance Between Flanges M (mm)	Body Length K(mm)	Observation Length S (mm)
YPBR IV	310	203	168
YPBR V	340	233	198
YPBR VI	370	263	228
YPBR VII	400	293	258
YPBR VIII	440	333	297
YPBR IX	460	353	318
YPBR 2xIV	515	408	373
YPBR 2xV	575	468	433
YPBR 2xVI	635	528	493
YPBR 2xVII	695	588	553
YPBR 2xVIII	775	668	633
YPBR 3xV	810	703	668
YPBR 3xVI	900	793	758
YPBR 3xVII	990	883	848
YPBR 3xVIII	1110	1003	968
YPBR 4xVI	1165	1058	1023
YPBR 4xVII	1285	1178	1143
YPBR 4xVIII	1445	1338	1303
YPBR 5xVII	1580	1473	1438
YPBR 5xVIII	1780	1673	1638
YPBR 6xVII	1875	1768	1703
YPBR 6xVIII	2115	2008	1973
YPBR 7xVIII	2450	2343	2278
YPBR 8xVIII	2785	2678	2613

P.No	Part Name	Carbon Steel	St. Steel
1	Body	St-42	1.4301
2	Bonnet	St-42	1.4301
3	Reflex Glass	Borosilicate	Borosilicate
4	Sealing Gasket	Grafit	Grafit
5	Sealing Gasket	Klingerit	Klingerit
6	Tightening Part	St-42	1.4301
7	Bolt	8.8+Gal.	A2 - 70.



DN20 assembly flange is used according to DIN EN 1092-1/1.
Distance between flanges can be lengthened about 50 mm. This point should be specified in the order.

Design and modification rights are reserved

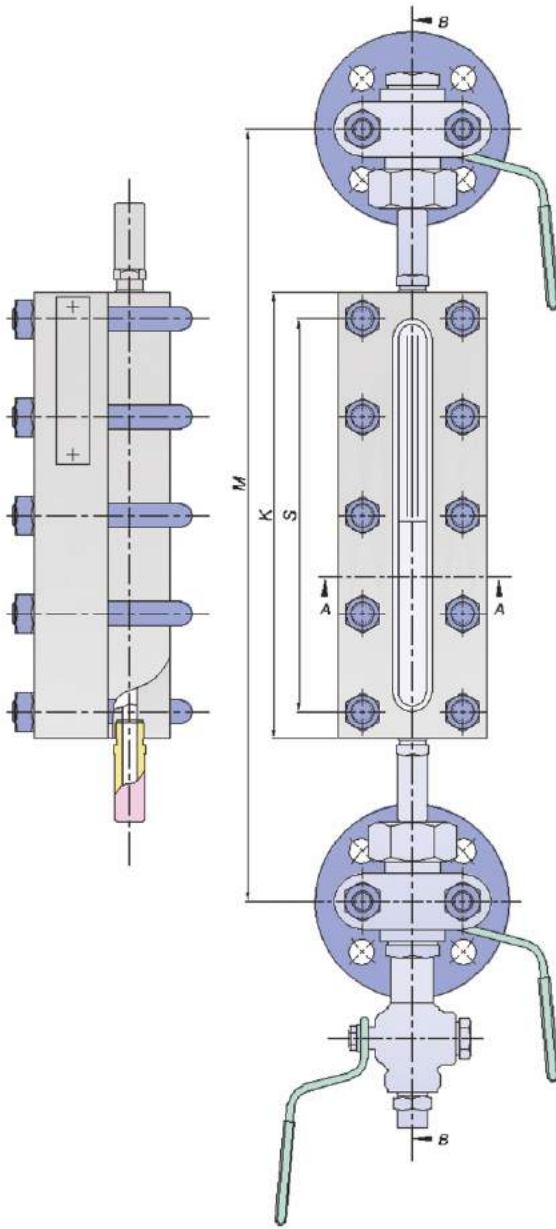
Level Gauges

Type: YUPR PN40

32 Bars, 236°C (steam)

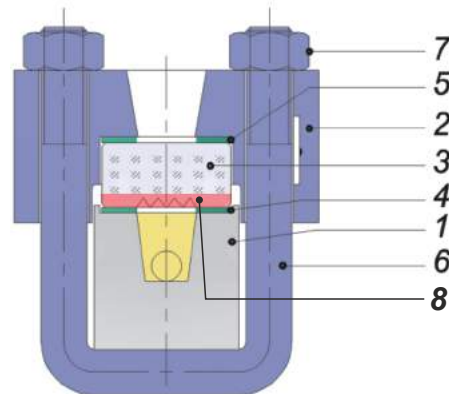
40 Bars, 120°C (other fluids)

310 - 2785mm



Level Gauge Type	Distance Between Flanges M (mm)	Body Length K(mm)	Observation Length S (mm)
YUPR IV	310	203	168
YUPR V	340	233	198
YUPR VI	370	263	228
YUPR VII	400	293	258
YUPR VIII	440	333	297
YUPR IX	460	353	318
YUPR 2xIV	515	408	373
YUPR 2xV	575	468	433
YUPR 2xVI	635	528	493
YUPR 2xVII	695	588	553
YUPR 2xVIII	775	668	633
YUPR 3xV	810	703	668
YUPR 3xVI	900	793	758
YUPR 3xVII	990	883	848
YUPR 3xVIII	1110	1003	968
YUPR 4xVI	1165	1058	1023
YUPR 4xVII	1285	1178	1143
YUPR 4xVIII	1445	1338	1303
YUPR 5xVII	1580	1473	1438
YUPR 5xVIII	1780	1673	1638
YUPR 6xVII	1875	1768	1703
YUPR 6xVIII	2115	2008	1973
YUPR 7xVIII	2450	2343	2278
YUPR 8xVIII	2785	2678	2613

P.No	Part Name	Carbon Steel	St. Steel
1	Body	St-42	1,4301
2	Bonnet	St-42	1,4301
3	Reflex Glass	Borosilicate	Borosilicate
4	Sealing Gasket	Graphite	Graphite
5	Sealing Gasket	Klingerit	Klingerit
6	U Stud	8.8+Gal.	A2 - 70.
7	Nut	8.8+Gal.	A2 - 70.
8	Mica	Mica*	Mica*

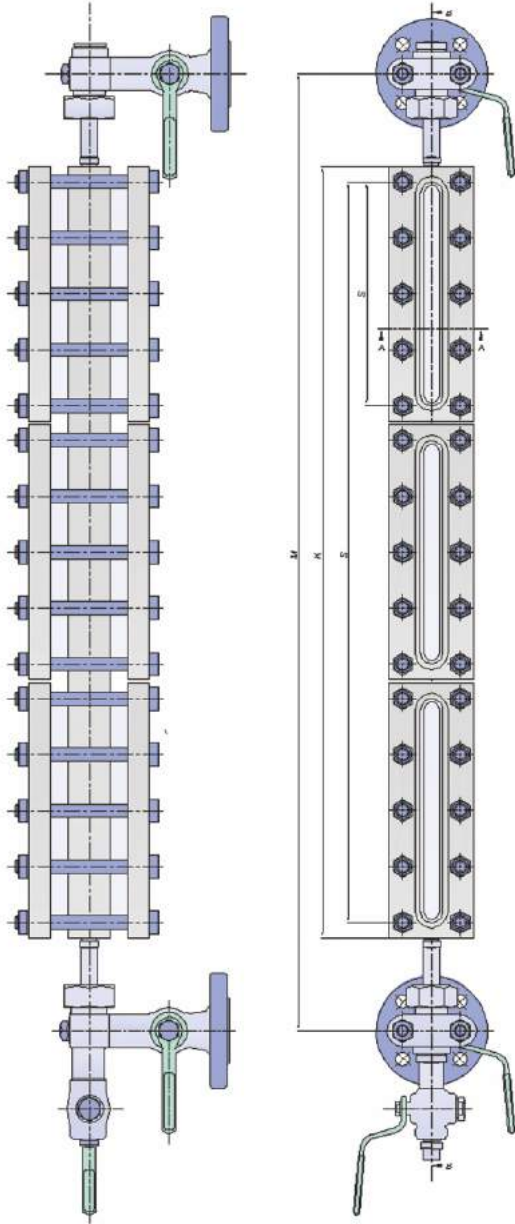


* It is optional (depending on application).

DN20 assembly flange is used according to DIN EN 1092-1/1.

Distance between flanges can be lengthened about 50 mm. This point should be specified in the order.

Design and modification rights are reserved



Level Gauges

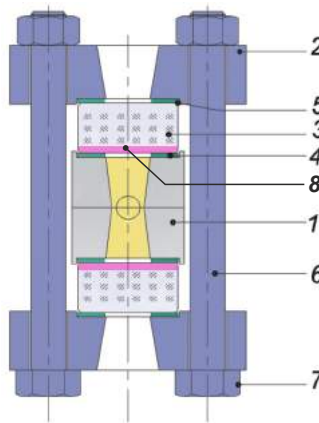
Type: YMPT

PN40

310 - 2785mm

Level Gauge Type	Distance Between Flanges M (mm)	Body Length K(mm)	Observation Length S (mm)
YMPT IV	310	203	168
YMPT V	340	233	198
YMPT VI	370	263	228
YMPT VII	400	293	258
YMPT VIII	440	333	297
YMPT IX	460	353	318
YMPT 2xIV	515	408	373
YMPT 2xV	575	468	433
YMPT 2xVI	635	528	493
YMPT 2xVII	695	588	553
YMPT 2xVIII	775	668	633
YMPT 3xV	810	703	668
YMPT 3xVI	900	793	758
YMPT 3xVII	990	883	848
YMPT 3xVIII	1110	1003	968
YMPT 4xVI	1165	1058	1023
YMPT 4xVII	1285	1178	1143
YMPT 4xVIII	1445	1338	1303
YMPT 5xVII	1580	1473	1438
YMPT 5xVIII	1780	1673	1638
YMPT 6xVII	1875	1768	1703
YMPT 6xVIII	2115	2008	1973
YMPT 7xVIII	2450	2343	2278
YMPT 8xVIII	2785	2678	2613

P.No	Part Name	Carbon Steel	St. Steel
1	Body	St-42	1.4301
2	Bonnet	St-42	1.4301
3	Transparent Glass	Borosilicate	Borosilicate
4	Sealing Gasket	Grafit	Grafit
5	Sealing Gasket	Klingerit	Klingerit
6	Bolt	St-42	1.4301
7	Nut	8.8+Gal	A2 - 70
8	Mica	Mica*	Mica*



* It must be absolutely used for hot and aggressive fluids.

DN20 assembly flange is used according to DIN EN 1092-1/1.

Distance between flanges can be lengthened about 50 mm. This point should be specified in the order.

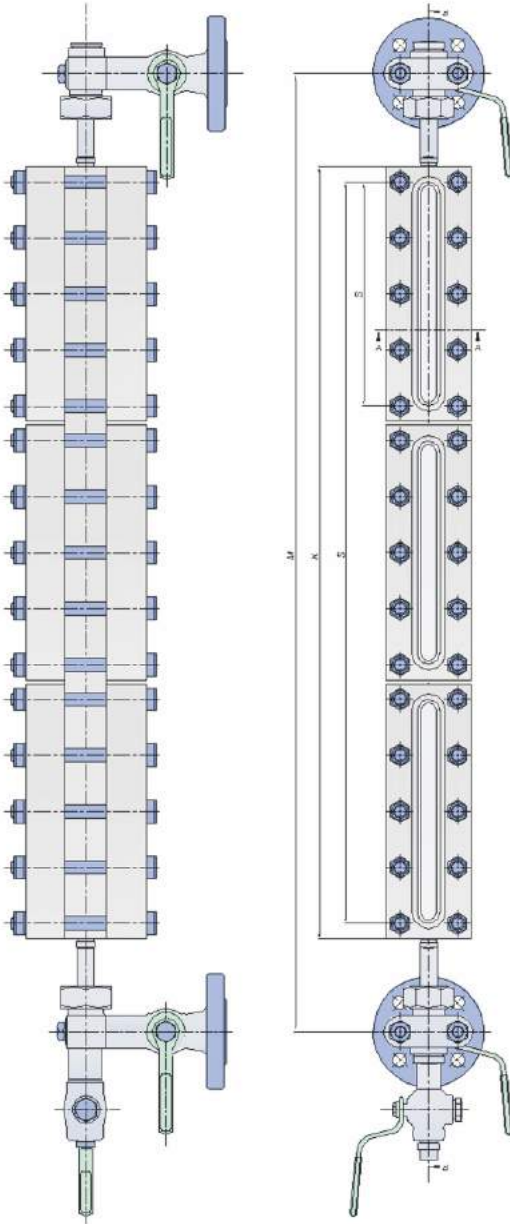
Design and modification rights are reserved

Level Gauges

Type: YUPT

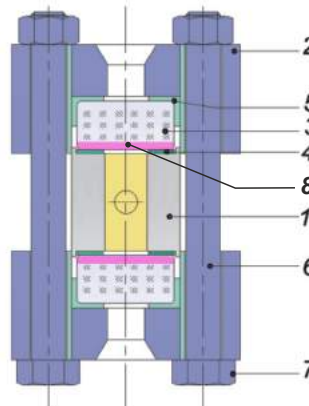
PN100

310-2785mm



Level Gauge Type	Distance Between Flanges M (mm)	Body Length K(mm)	Observation Length S (mm)
YUPT IV	310	203	168
YUPT V	340	233	198
YUPT VI	370	263	228
YUPT VII	400	293	258
YUPT VIII	440	333	297
YUPT IX	460	353	318
YUPT 2xIV	515	408	373
YUPT 2xV	575	468	433
YUPT 2xVI	635	528	493
YUPT 2xVII	695	588	553
YUPT 2xVIII	775	668	633
YUPT 3xV	810	703	668
YUPT 3xVI	900	793	758
YUPT 3xVII	990	883	848
YUPT 3xVIII	1110	1003	968
YUPT 4xVI	1165	1058	1023
YUPT 4xVII	1285	1178	1143
YUPT 4xVIII	1445	1338	1303
YUPT 5xVII	1580	1473	1438
YUPT 5xVIII	1780	1673	1638
YUPT 6xVII	1875	1768	1703
YUPT 6xVIII	2115	2008	1973
YUPT 7xVIII	2450	2343	2278
YUPT 8xVIII	2785	2678	2613

P.No	Part Name	Carbon Steel	St. Steel
1	Body	St-42	1.4301
2	Bonnet	St-42	1.4301
3	Transparent Glass	Borosilicate	Borosilicate
4	Sealing Gasket	Graphite	Graphite
5	Sealing Gasket	Klingerit	Klingerit
6	Bolt	St-42	1.4301
7	Nut	8.8+Gal.	A2 - 70
8	Mica	Mica*	Mica*



* It must be absolutely used for hot and aggressive fluids.

DN20 assembly flange is used according to DIN EN 1092-1/1.

Distance between flanges can be lengthened about 50 mm. This point should be specified in the order.

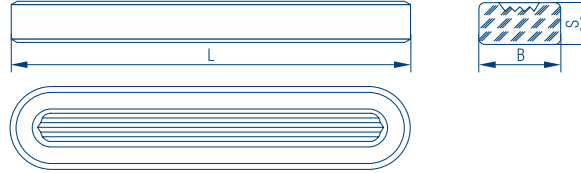
Design and modification rights are reserved

Yakacık

Reflex and Transparent Glasses

Technical Dimensions

Reflex Glasses A, B, H,



All dimensions are in (mm)

Dimension	Type A			Weight gr	Type B			Weight gr	Type H			Weight gr
	L	B	S		L	B	D		L	B	S	
0	—	—	—	—	95	34	17	110	—	—	—	—
I	115	30	17	118	115	34	17	132	115	34	22	176
II	140	30	17	146	140	34	17	162	140	34	22	214
III	165	30	17	176	165	34	17	195	165	34	22	254
IV	190	30	17	200	190	34	17	228	190	34	22	294
V	220	30	17	237	220	34	17	264	220	34	22	344
VI	250	30	17	265	250	34	17	301	250	34	22	392
VII	280	30	17	303	280	34	17	338	280	34	22	445
VIII	320	30	17	334	320	34	17	387	320	34	22	503
IX	340	30	17	359	340	34	17	410	340	34	22	536
X	—	—	—	—	370	34	17	461	—	—	—	—

YAKACIK Reflex Glasses Application Pressures and Temperatures	Type A 1)		Type B 1)		Type H	
	bar	°C	bar	°C	bar	°C
Fluids with no corrosive effect on glass (oil, hydrocarbon etc.)	400	120	265	120	300	120
	150	400	180	400	200	400
	0 – 10	430	0 – 10	430	0 – 10	430
Fluids with significant corrosive effect on glass (saturated steam etc.)	2)		2)		2)	
	35	243	35	243	42	253

1) We recommend transparent glass with transparent mica shield for pressures 35 bars and above.

Transparent Glasses
A, B, H, TA 28



All dimensions are in (mm)

Dimension	Type A			Weight gr	Type B			Weight gr	Type H			Weight gr	Type TA 28			Weight gr
	L	B	S		L	B	D		L	B	S		L	B	S	
I	115	30	17	122	115	34	17	137	—	—	—	—	113	27,6	16,8	114
II	140	30	17	152	140	34	17	172	140	34	22	218	—	—	—	—
III	165	30	17	176	165	34	17	204	165	34	22	260	163	27,6	16,8	168
IV	190	30	17	211	190	34	17	238	190	34	22	302	188	27,6	16,8	194
V	220	30	17	250	220	34	17	280	220	34	22	357	218	27,6	16,8	226
VI	250	30	17	280	250	34	17	317	250	34	22	400	248	27,6	16,8	258
VII	280	30	17	314	280	34	17	356	280	34	22	460	278	27,6	16,8	290
VIII	320	30	17	360	320	34	17	407	320	34	22	530	318	27,6	16,8	334
IX	340	30	17	387	340	34	17	430	340	34	22	562	338	27,6	16,8	356
X	—	—	—	—	370	34	17	480	—	—	—	—	—	—	—	—

YAKACIK Transparent Glasses Application Pressures and Temperatures	Type A 1)		Type B 1)		Type H		Type TA 28 4)	
	bar	°C	bar	°C	bar	°C	bar	°C
Fluids with no corrosive effect on glass (oil, hydrocarbon etc.)	240	120	290	120	340	120	—	—
	160	400	200	400	230	400	—	—
	0 – 10	430	0 – 10	430	0 – 10	430	—	—
Fluids with significant corrosive effect on glass (saturated steam etc.)	2)		2)		2)		3)	
	35	243	35	243	42	253	120	324
	70	300	85	300	85	300	180	356

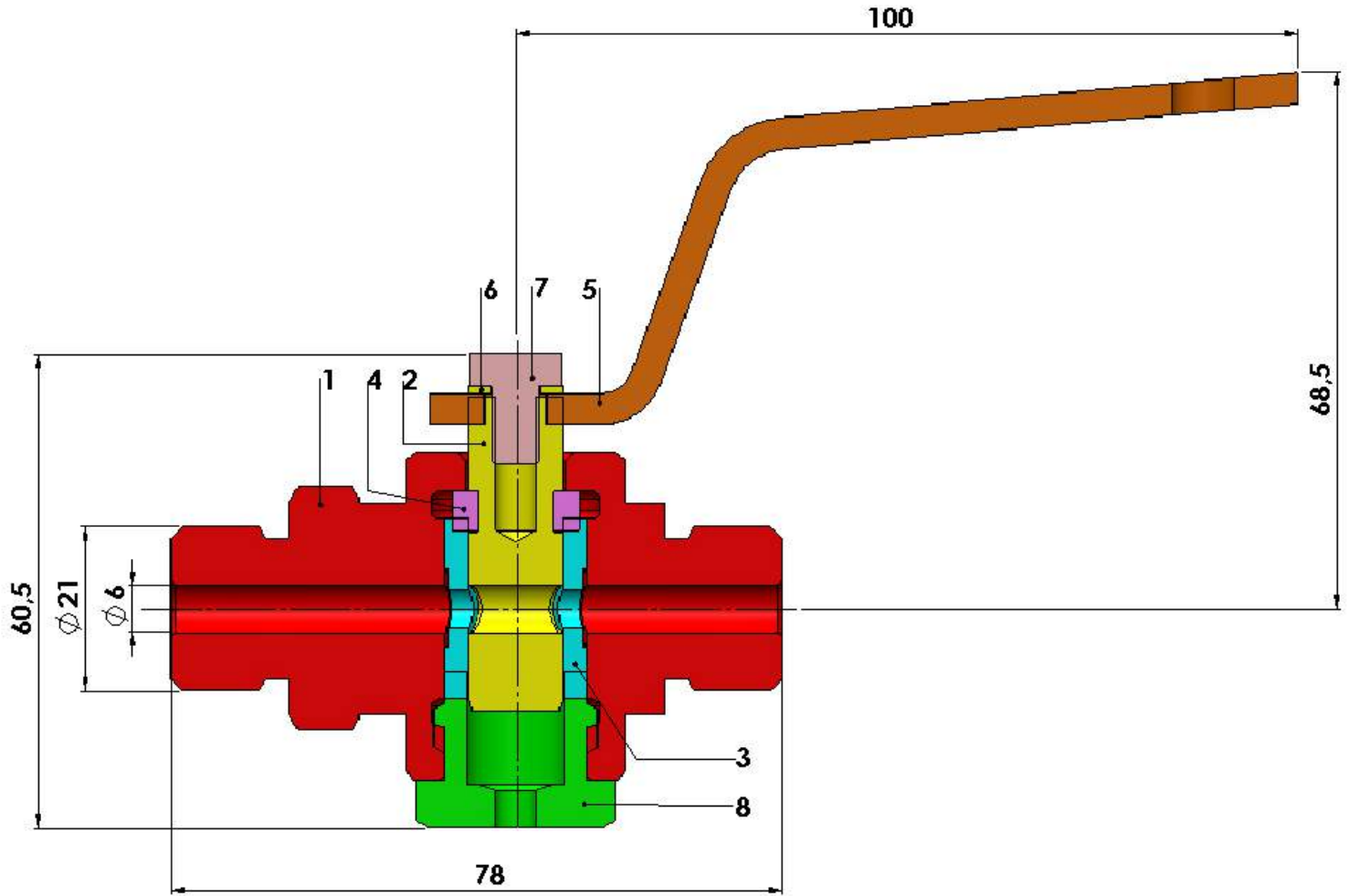
1) We recommend transparent glass with transparent mica shield for pressures 35 bars and above.

2) It can be used TA 28 I. for the steam pressures higher than 120 bars.

3) TA glasses can only be used with mica.

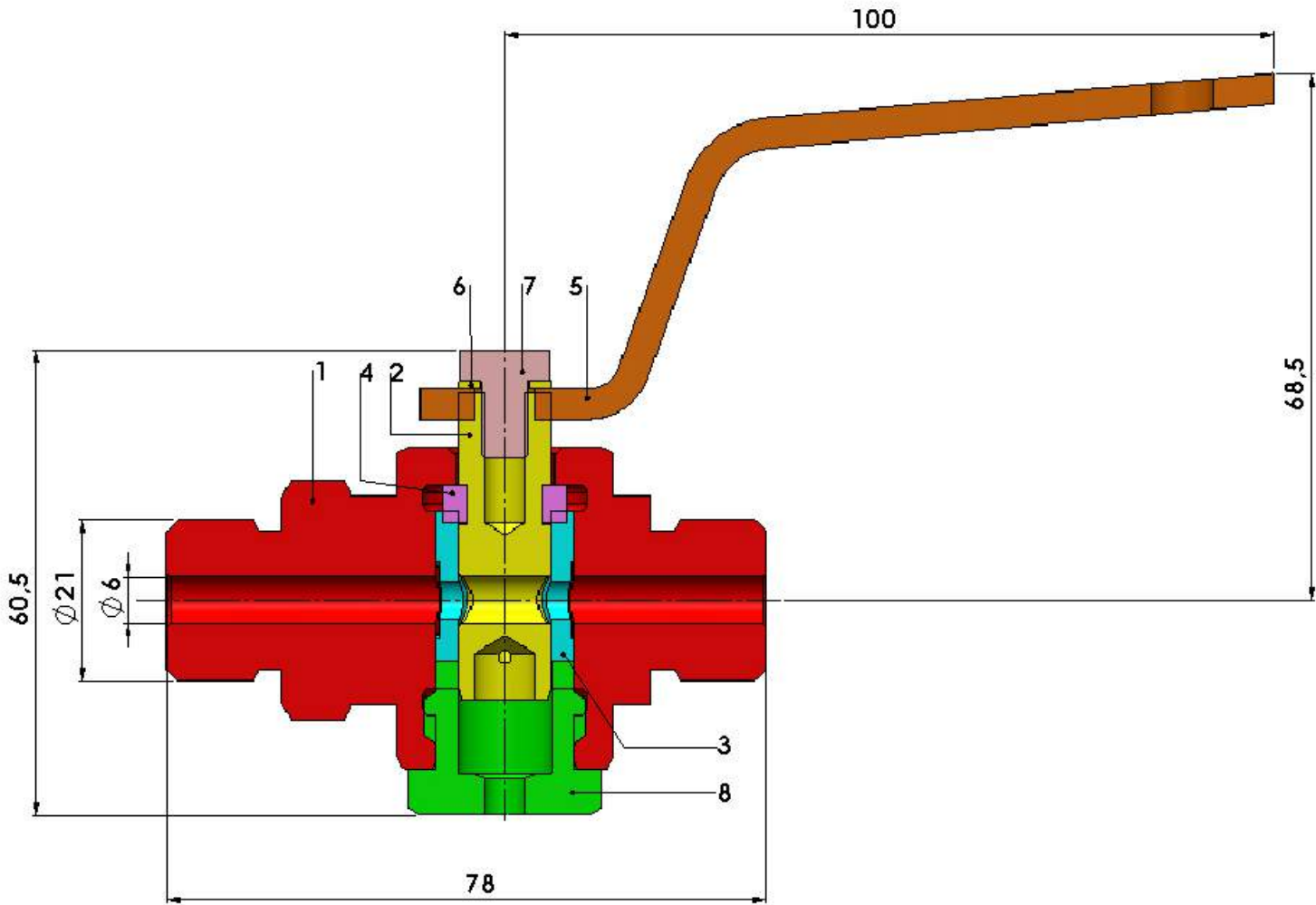
Design and modification rights are reserved

Manometer Cock ABL12 Cock (2 Port)

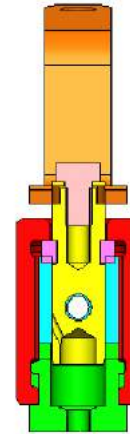


P.No	Part Name	Steel	Stainless	Stainless
1	Cock Body	Ck22	1.4301	1.4401
2	Piston	1.4021	1.4301	1.4401
3	AB12 Ring	Graphite	Graphite	Graphite
4	Split Ring	Ms 58	1.4301	1.4401
5	Lever	St 42	1.4301	1.4301
6	Disc	8.8+Gal	A2 70	A2 70
7	Bolt	8.8	A2 70	A2 70
8	Tightening Nut	1010	1.4301	1.4301

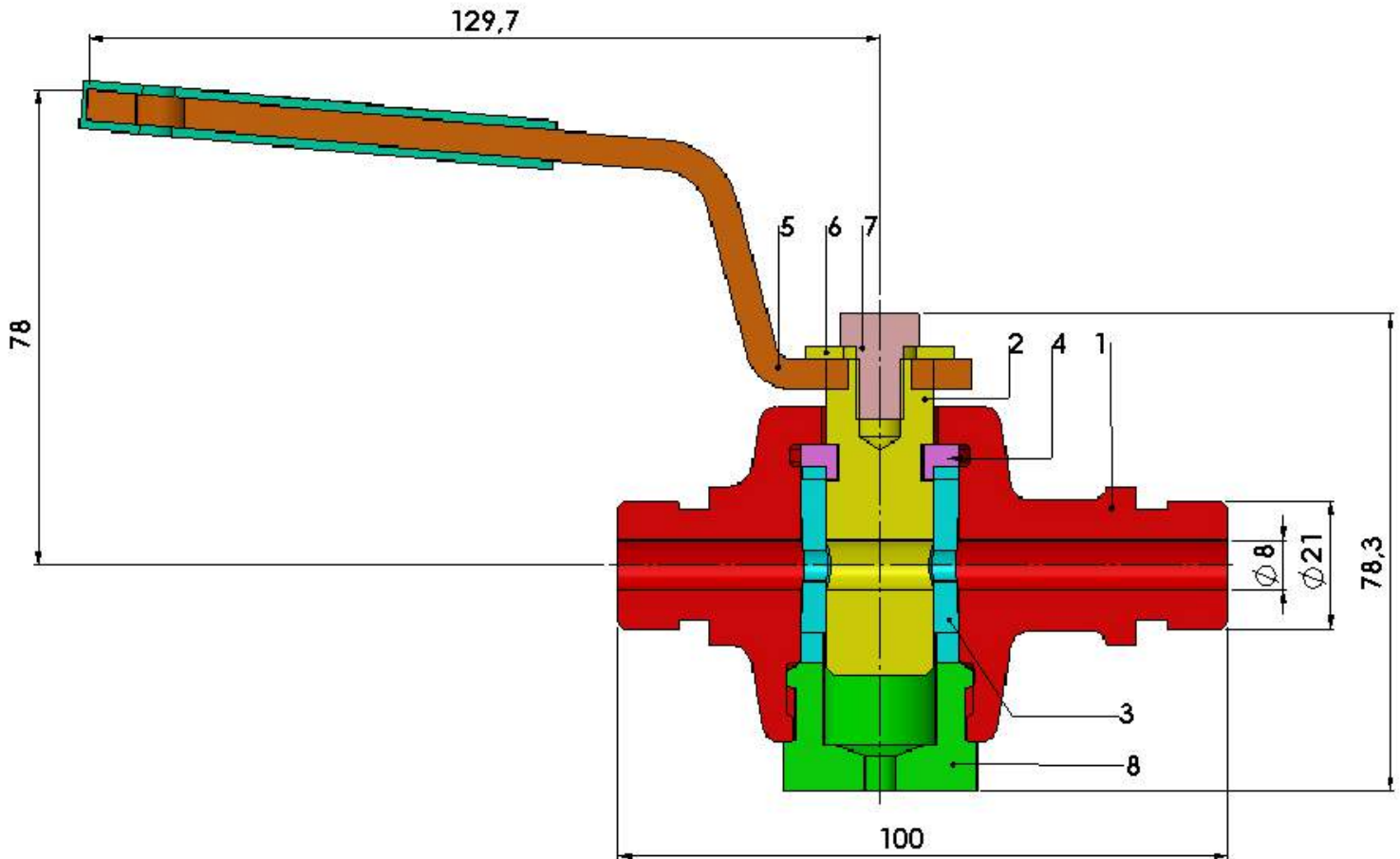
Manometer Cock ABL12 Cock (3 Port)



P.No	Part Name	Steel	Stainless	Stainless
1	Cock Body	Ck22	1.4301	1.4401
2	Piston	1.4021	1.4301	1.4401
3	AB12 Ring	Graphite	Graphite	Graphite
4	Splint Ring	Ms 58	1.4301	1.4401
5	Lever	St 42	1.4301	1.4301
6	Disc	8.8+Gal	A2 70	A2 70
7	Bolt	8.8	A2 70	A2 70
8	Tightening Nut	1010	1.4301	1.4301

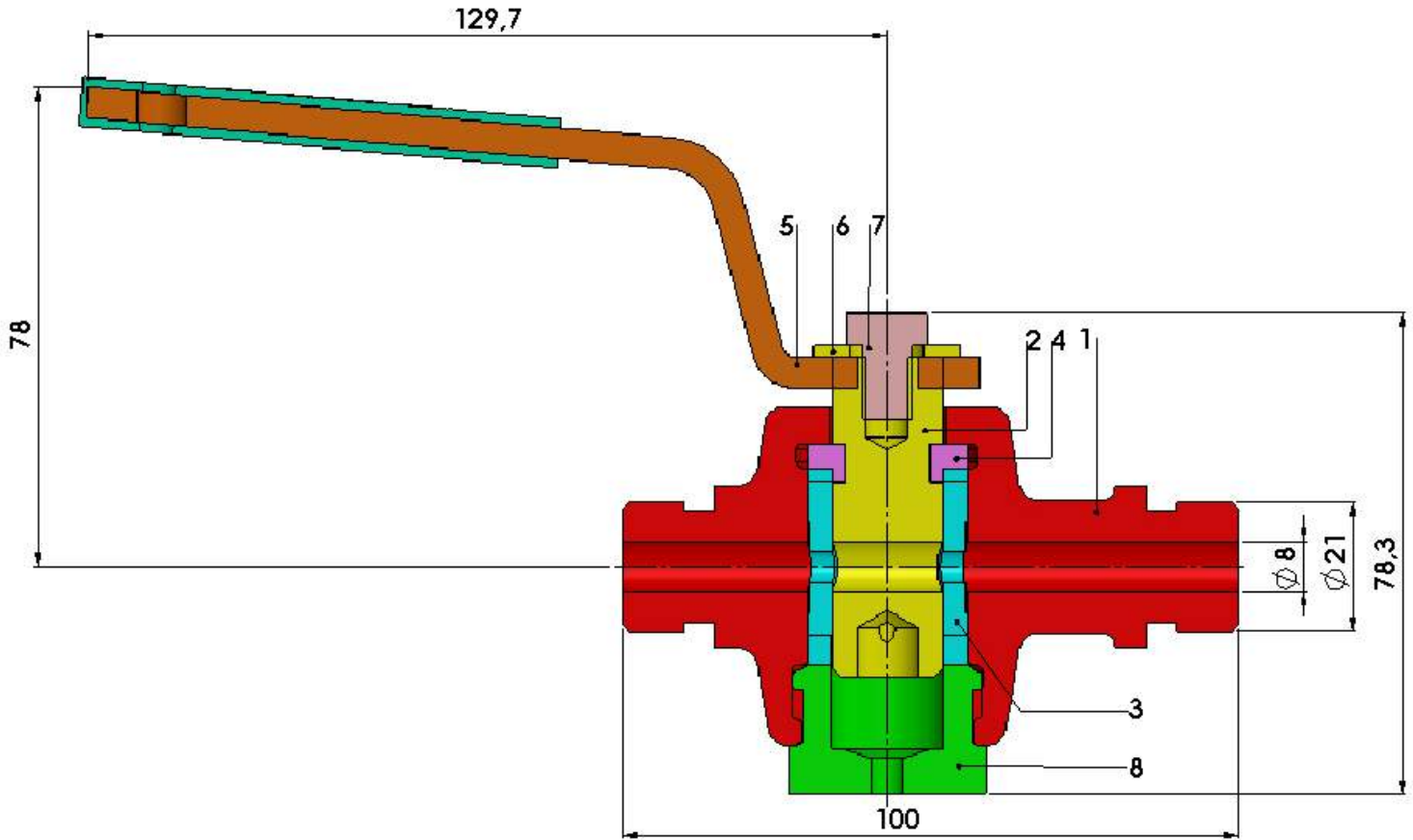


Manometer Cock ABL18 Cock (2 Port)

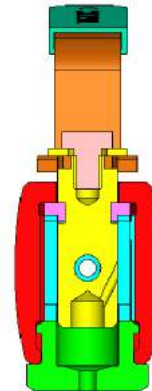


P.No	Part Name	Steel	Stainless	Stainless
1	Cock Body	1.0619	1.4308	1.4408
2	Piston	1.4021	1.4301	1.4401
3	AB18 Ring	Graphite	Graphite	Graphite
4	Split Ring	Ms 58	1.4301	1.4401
5	Lever	St 42	1.4301	1.4301
6	Disc	8.8+Gal	A2 70	A2 70
7	Bolt	8.8+Gal	A2 70	A2 70
8	Tightening Nut	1010	1.4301	1.4301

Manometer Cock ABL18 Cock (3 Port)

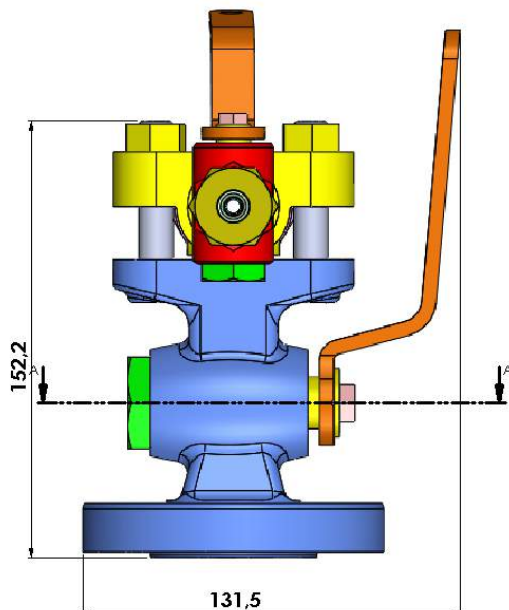
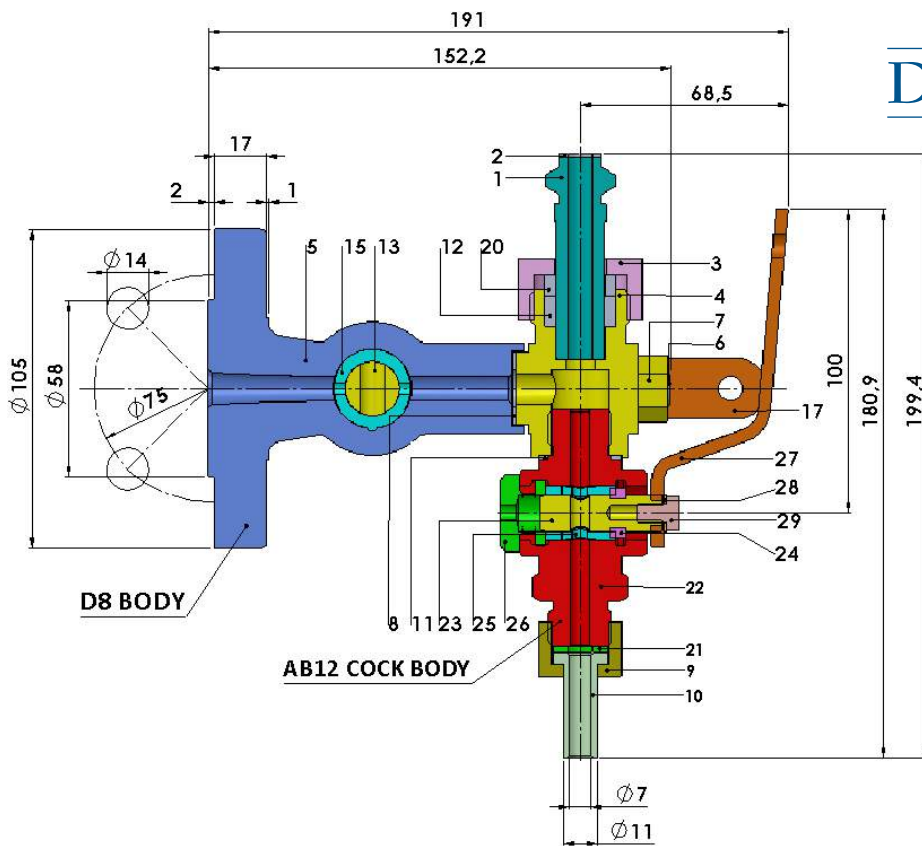


P.No	Part Name	Steel	Stainless	Stainless
1	Cock Body	1.0619	1.4308	1.4408
2	Piston	1.4021	1.4301	1.4401
3	AB18 Ring	Graphite	Graphite	Graphite
4	Split Ring	Ms 58	1.4301	1.4401
5	Lever	St 42	1.4301	1.4301
6	Disc	8.8+Gal	A2 70	A2 70
7	Bolt	8.8+Gal	A2 70	A2 70
8	Tightening Nut	1010	1.4301	1.4301



Manometer Cock

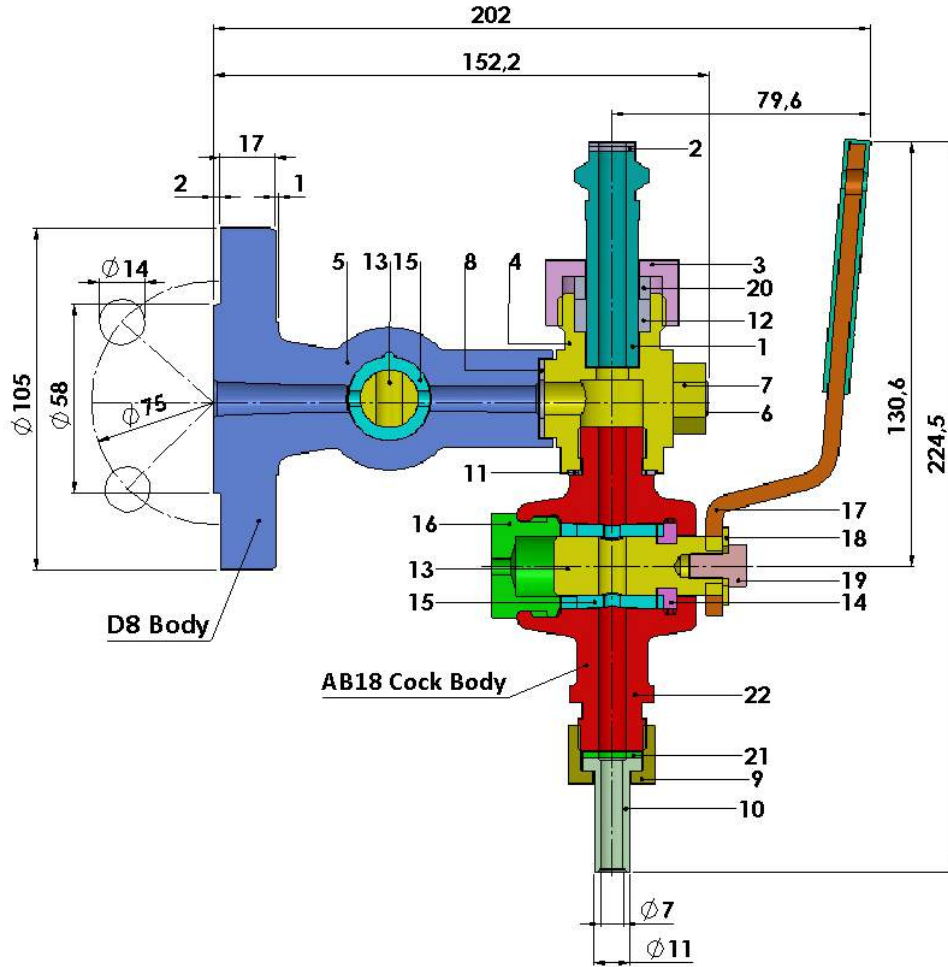
D8 - ABL12 Bottom Cock



P.No	Part Name	Steel	Stainless	Stainless
1	Adaptor	1.4301	1.4301	1.4401
2	Gasket	Cu	Cu	Cu
3	Nut	1010	1.4301	1.4301
4	Top Body	1.0619	1.4308	1.4408
5	D8 Flanged Cock Body	1.0619	1.4308	1.4408
6	Stud	1010	1.4301	1.4301
7	Nut	8.8+Gal	A2 70	A2 70
8	Gasket	Cu	Cu	Cu
9	Tightening Nut	St 42	1.4301	1.4301
10	Drain Adaptor	1010	1.4301	1.4401
11	Gasket	Cu	Cu	Cu
12	Sealing Ring	Graphite	Graphite	Graphite
13	Piston	1.4021	1.4301	1.4401
14	Split Ring	Ms 58	1.4301	1.4401
15	AB18 Ring	Graphite	Graphite	Graphite
16	Tightening Nut	1010	1.4301	1.4301
17	Lever	St 42	1.4301	1.4301
18	Disc	8.8+Gal	A2 70	A2 70
19	Bolt	8.8+Gal	A2 70	A2 70
20	Nut	1010	1.4301	1.4301
21	D8 Klingerit Gasket	Klingerit	Klingerit	Klingerit
22	AB12 Body	Ck22	1.4301	1.4401
23	Piston	1.4021	1.4301	1.4401
24	AB12 Split Ring	Ms 58	1.4301	1.4401
25	AB12 Ring	Graphite	Graphite	Graphite
26	Tightening Nut	1010	1.4301	1.4301
27	Lever	St 42	1.4301	1.4301
28	Disc	8.8+Gal	A2 70	A2 70
29	Bolt	8.8	A2 70	A2 70

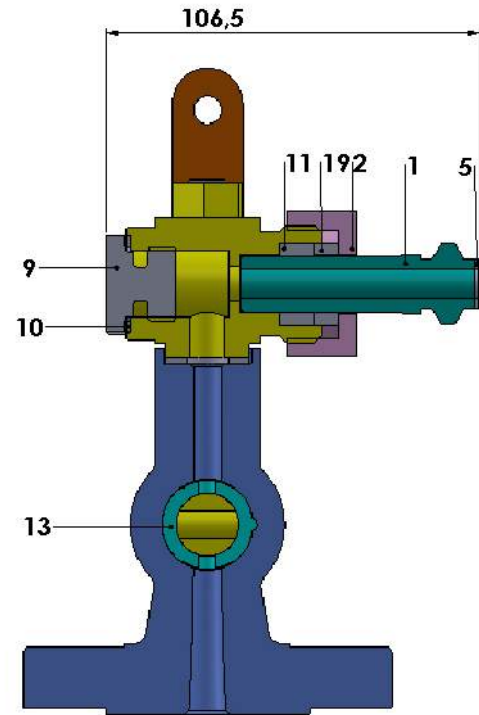
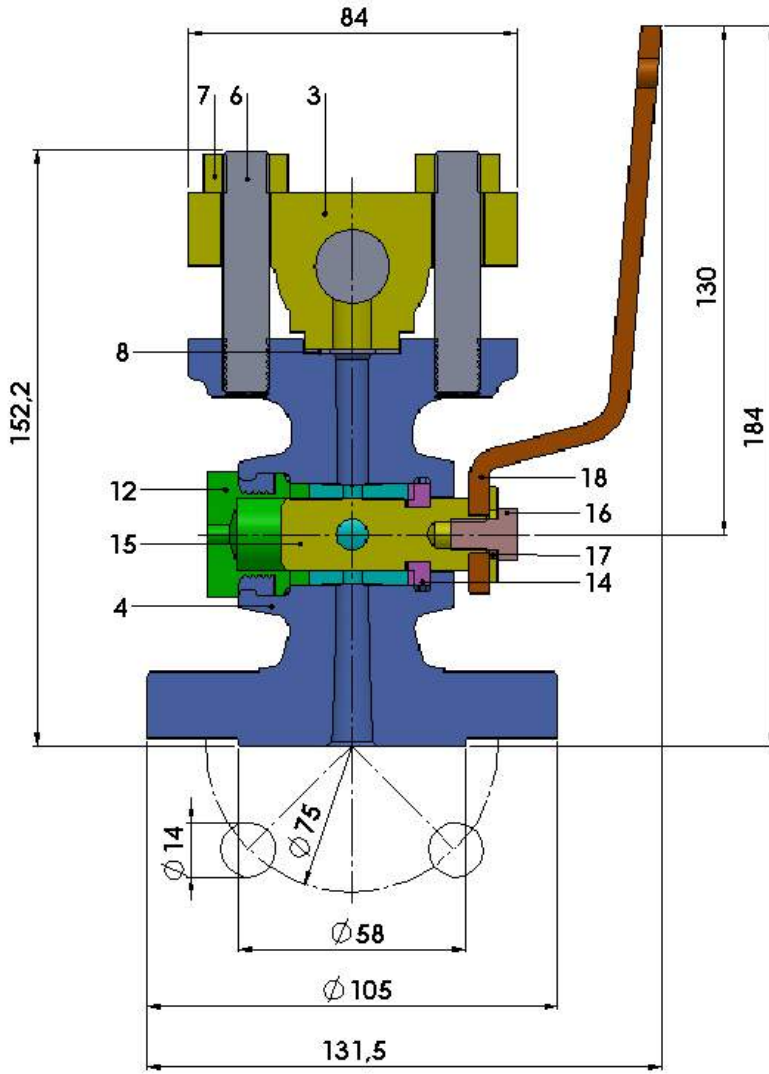
Manometer Cock

D8 - ABL18 Bottom Cock



P.No	Part Name	Steel	Stainless	Stainless
1	Adaptor	1.4301	1.4301	1.4401
2	Gasket	Cu	Cu	Cu
3	Nut	1010	1.4301	1.4301
4	Top Body	1.0619	1.4308	1.4408
5	D8 Flanged Cock Body	1.0619	1.4308	1.4408
6	Stud	1010	1.4301	1.4301
7	Nut	8.8+Gal	A2 70	A2 70
8	Gasket	Cu	Cu	Cu
9	Tightening Nut	1010	1.4301	1.4301
10	Drain Adaptor	1010	1.4301	1.4401
11	Gasket	Cu	Cu	Cu
12	Sealing Ring	Graphite	Graphite	Graphite
13	Piston	1.4021	1.4301	1.4401
14	Split Ring	Ms 58	1.4301	1.4401
15	AB18 Ring	Graphite	Graphite	Graphite
16	Tightening Nut	1010	1.4301	1.4301
17	Lever	St 42	1.4301	1.4301
18	Disc	8.8+Gal	A2 70	A2 70
19	Bolt	8.8+Gal	A2 70	A2 70
20	Nut	1010	1.4301	1.4301
21	D8 Klingerit Gasket	Klingerit	Klingerit	Klingerit
22	AB18 Cock Body	1.0619	1.4308	1.4408

Manometer Cock D8 - Body Upper Cock



P.No	Part Name	Steel	Stainless	Stainless
1	Adaptor	1.4301	1.4301	1.4401
2	Nut	1010	1.4301	1.4301
3	Top Body	1.0619	1.4308	1.4408
4	D8 Flanged Cock Body	1.0619	1.4308	1.4408
5	Gasket	Cu	Cu	Cu
6	Stud	1010	1.4301	1.4301
7	Nut	8.8+Gal	A2 70	A2 70
8	Gasket	Cu	Cu	Cu
9	Blind Nut	1010	1.4301	1.4301
10	Gasket	Cu	Cu	Cu
11	Sealing Ring	Graphite	Graphite	Graphite
12	Tightening Nut	1010	1.4301	1.4301
13	AB18 Ring	Graphite	Graphite	Graphite
14	Split Ring	Ms 58	1.4301	1.4401
15	Piston	1.4021	1.4301	1.4401
16	Bolt	8.8+Gal	A2 70	A2 70
17	Disc	8.8+Gal	A2 70	A2 70
18	Lever	St 42	1.4301	1.4301
19	Nut	1010	1.4301	1.4401

Parameters Used for Orders

It is important that you should specify the parameters stated below to choose the suitable Level Gauge. Please contact us for unclear issues.

1- Level Gauge Type

2- Quantity

3- Dimensions

4- Max. Operating Pressure

5- Max. and Min. Operating Temperatures

6- Fluid Type

Water, hot water, air, gas, steam, LPG, oil, thermal oil, acid, base, etc.

7- Field of Application

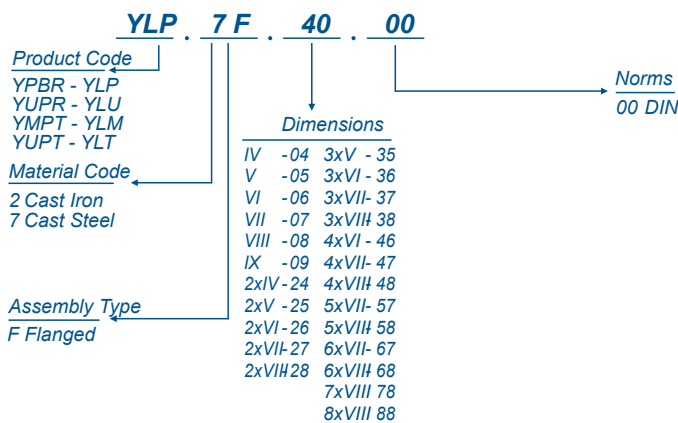
8- Special requests



You can use the following encoding system in your orders.

Example: YLP.2F.25.00

PBR 2xV Flanged PN16 Level Gauge



YAKACIK VALF Products

- **Piston Valves DN15 - DN50**
- **Balanced Piston Valves DN65 - DN200**
- **YX - GT Ring Sets DN15 - DN200**
- **Bellows Sealed Globe Valves DN15 - DN300**
- **Globe Valves DN15 - DN300**
- **Boiler Blowdown Valves DN32 - DN50**
- **Ball Valves DN15 - DN400**
- **T Type Strainers DN15 - DN300**
- **Y Type Strainers DN15 - DN500**
- **Expansion Joints DN25 - DN2500**
- **Cryogenic Valves DN15 - DN50**
- **Manometer Cocks 1/2"**
- **Ball Valves (for natural gas) DN15 - DN400**
- **Ball Valves Monoball DN15 - DN100**
- **Check Valves DN15 - DN300**
- **Disc Check Valves DN25 - DN100**
- **Dual Plate Check Valves DN40 - DN400**
- **Butterfly Valves DN32 - DN500**
- **Level Gauges YPBR - YUPR - YUPT**
- **Transparent Gauge Glass**
- **Safety Valves DN 20x32 - DN 100x150**
- **Fire Hydrants DN80 - DN150**



ISO 9001-2015

QUALITY MANAGEMENT SYSTEM



AD 2000 - W 0

MANUFACTURING QUALIFIED CERTIFICATE



CE 0045

PED 2014/68/EU



FIRE SAFE

BALL / PISTON VALVES



ATEX



TA LUFT



EAC

YAKACIK VALF SAN. ve TİC. A.Ş.

İstanbul Deri Organize Sanayi Bölgesi

Tabak Sk. No:4 N7-2 Özel Parsel

34956 Tuzla / İSTANBUL / TÜRKİYE

Tel: +90 216 309 72 50 (Pbx) Faks: +90 216 377 98 01

www.yakacikvalf.com.tr info@yakacikvalf.com.tr

Ankara Gsm: +90 530 497 51 08

Kocaeli Gsm: +90 532 453 25 27

İzmir Gsm: +90 533 591 93 98

Trakya Gsm: +90 530 370 40 96