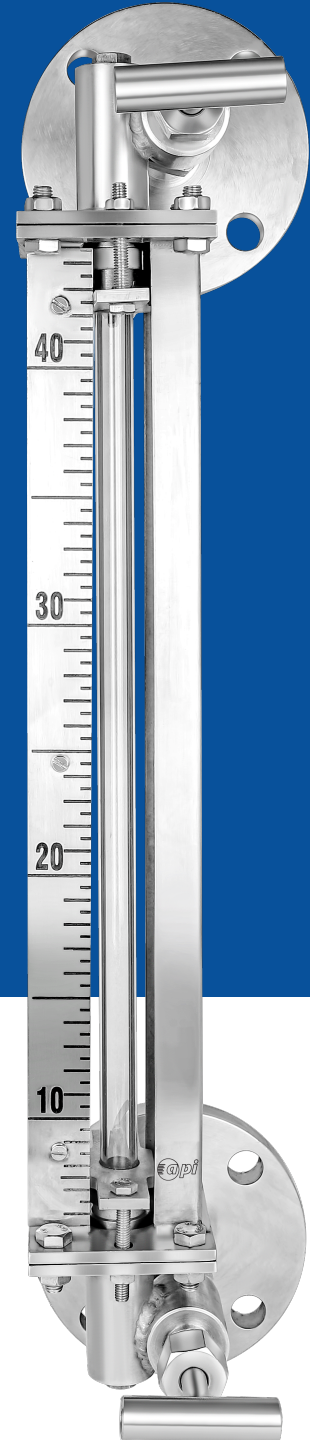


TUBULAR LEVEL GAUGE

MODEL
M4.04



PRODUCT DESCRIPTION

Tubular Level Gauges are designed to view liquid levels using clear or red line Borosilicate (Pyrex) tubing. All valves use a stuffing box configuration to seal the glass tube, and have a ball check shutoff to prevent loss of vessel contents in case of glass failure. Operating pressure and temperatures are subject to the limitations of the tubular gauge glass and washer composition; consult with pressure products for gauge glass ratings. Used in a low pressure, non-toxic services, Tubular level gauges detect and report the process fluid level through the direct reading of level in tanks or vessels.



TUBULAR LEVEL GAUGE

MODEL M4.04

KEY FEATURES

- Simple & rugged design
- Available in various material
- Available in range up to 1500mm
- Optional ATEX approved II 2 GD Ex h T6

SPECIFICATIONS

Mounting	:	Side
Max. Operating Temp.	:	Up to 100°C
Max. Operating Pressure	:	10 kg/cm ²
Isolation Valve	:	Auto Shut off ball check valve
Connection	:	Flanged & Screwed
C.C distance	:	300mm to 1500mm
Drain Connection	:	½" NPT (M) Plug
Vent Connection	:	½" NPT (M) Plug

APPLICATION

- Chemical & Fertilizer plants
- Pharmaceutical plants
- Petrochemicals

MATERIAL OF CONSTRUCTION

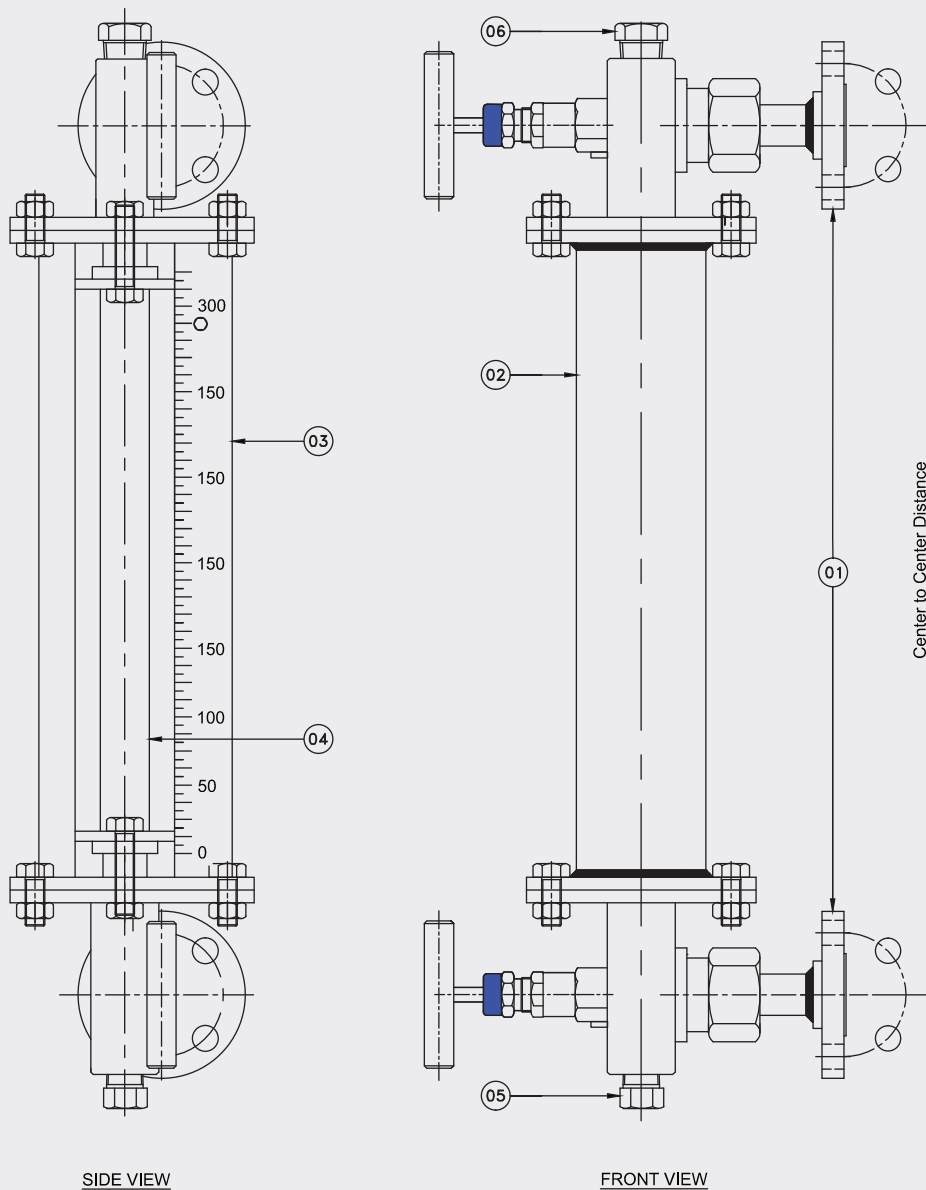
End Block	:	CS / SS304 / SS316 / PP
Glass Protection	:	CS / SS304 / SS316
Gauge Glass	:	Borosilicate
Gauge Valve	:	Off-set Screwed bonnet, ball check
Packing	:	PTFE
Valve body material	:	CS / SS304 / SS316
Trim Material	:	SS 316
Ball Material	:	SS 316
Scale	:	Aluminum
Fasteners	:	CS / SS304 / SS316

TUBULAR LEVEL GAUGE

MODEL
M4.04

DIMENSIONAL DRAWINGS

Tubular Level Gauge - C Channel



Bill of Material	
Sr.No.	Parameter
01	Process connection
02	Rectangular 'C' Channel
03	Scale
04	Glass Tube
05	Drain connection
06	Vent Connection

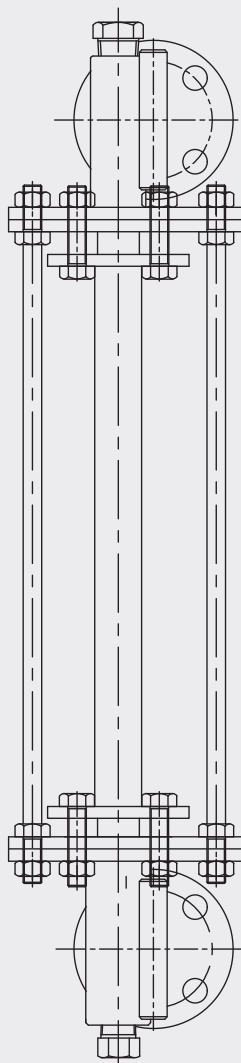
Important Notes: • Above drawings are not to scale • All Dimension are in mm

TUBULAR LEVEL GAUGE

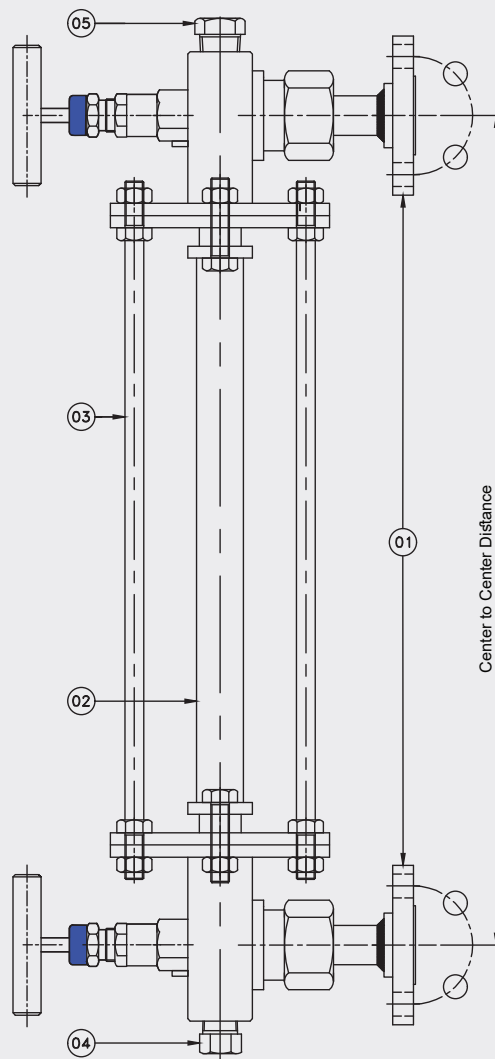
MODEL
M4.04

DIMENSIONAL DRAWINGS

Tubular Level Gauge - Tie Rod



SIDE VIEW



FRONT VIEW

Bill of Material	
Sr.No.	Parameter
01	Process connection
02	Glass Tube
03	Stud
04	Drain connection
05	Vent Connection



TUBULAR LEVEL GAUGE

MODEL M4.04

MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	M4.04	RC	CS	H16	RS4	CS	S4	XX	SN	12NM	P1M	N1F	AL
Model														
Tubular Level Gauge	M4.04	M4.04												
Type														
Rectangular 'C' Channel	RC		RC											
Tie Rod	TR													
Wetted Parts														
Carbon Steel	CS			CS										
SS 304	S4													
SS 316	S6													
Polypropylene	PP													
Glass Tube														
16mm Heavy	H16				H16									
19mm Heavy	H19													
Glass Protection Material														
Rectangular CS channel (Powder coated)	RCS													
Rectangular SS 304 Channel	RS4					RS4								
Rectangular SS 316 Channel	RS6													
Tie Rod Carbon Steel	TCS													
Tie Rod SS 304 Channel	TS4													
Tie Rod SS 316 Channel	TS6													
Material of Drain & Vent														
Carbon Steel	CS						CS							
SS 304	S4													
SS 316	S6													
Polypropylene	PP													
Material Of Ball Valve														
Carbon Steel	CS													
SS 304	S4							S4						
SS 316	S6													
Polypropylene	PP													
Auto Shut off Isolation valve														
None	XX								XX					
Offset Screwed Bonnet	OSB													
Process Connection Type														
Screwed	SN									SN				
Flanged	FG													
Process Connection														
1/2" NPT (M)	12NM										12NM			
1/2" NPT (F)	12NF													
3/4" NPT (M)	34NM													
3/4" NPT (F)	34NF													
1" NPT (M)	25NM													
1" NPT (F)	25NF													
Flange as per table-1	XXX													
Vent Connection														
Plug -1/2" NPT (M)	P1M											P1M		
Needle Valve -1/2" NPT (F)	N1F													
Ball Valve -1/2" NPT (F)	B1F													
Flange as per table-1	XXX													
Drain Connection														
Plug -1/2" NPT (M)	P1M													
Needle Valve -1/2" NPT (F)	N1F												N1F	
Ball Valve -1/2" NPT (F)	B1F													
Flange as per table-1	XXX													
Scale														
Aluminum	AL													AL
SS 304	S4													
SSI 316	S6													
Acrylic	AC													

TUBULAR LEVEL GAUGE

MODEL M4.04

MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	XXX	X20
Center to Center Distance As per customer requirement	XXX	XXX	
Other Options ATEX Conformity acc. to RL 2014/34/EU II 2 GD Ex h T6 Material Test Certificate Tested to NACE Standard Body Paint SS Tag Plates Performance Test Certificate Hydrostatic Test Certificate	XAT X17 X20 X73 X26 X96 X97		X20

Table -1 AS PER ANSI B 16.5

NOMINAL SIZE	RATING/ CLASS	CODE	NOMINAL SIZE	RATING/ CLASS	CODE	NOMINAL SIZE	RATING/ CLASS	CODE	NOMINAL SIZE	RATING/ CLASS	CODE
1/2"	150	B09	1"	150	B21	1 1/2"	150	B33	2 1/2"	150	B45
	300	B10		300	B22		300	B34		300	B46
	600	B11		600	B23		600	B35		600	B47
	900	B12		900	B24		900	B36		900	B48
	1500	B13		1500	B25		1500	B37		1500	B49
	2500	B14		2500	B26		2500	B38		2500	B50
3/4"	150	B15	1 1/4"	150	B27	2"	150	B39	3"	150	B51
	300	B16		300	B28		300	B40		300	B52
	600	B17		600	B29		600	B41		600	B53
	900	B18		900	B30		900	B42		900	B54
	1500	B19		1500	B31		1500	B43		1500	B55
	2500	B20		2500	B32		2500	B44		2500	B56

SAMPLE ORDERING CODE:

M4.04-RC.CS.H16.RS4.CS.S4.XX.SN.12NM.P1M.N1F.AL.XXX.X20

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and material specified may be replaced by others without prior notice.