



LEVEL GAUGES

SERIES G: GENERAL PURPOSE

Main chamber is constructed using machined solid bar of either carbon steel, SS 316 or SS 316 L grade steel. Similar materials are used for cover plates. These gauges are available in both reflex and transparent models made of toughened glass secured using gaskets and chrome-molybdenum nuts and bolts.

SERIES H: HEAVY DUTY

These gauges are manufactured using solid bar steel machined for making liquid chamber. Cover plates are fitted over the liquid chamber using special nuts and bolts. Recessed gasket seats ensure leak proof seal between the liquid chamber and the glass. All metal surfaces are rust-proofed.

SERIES T: TUBULAR GAUGES

Tubular gauges are suitable for low pressure processes. Also used in boiler drum application. These gauges comprise of a borosilicate glass tube fitted with an offset isolating valve on each end for tank connection. PIE series 10 LT valves are supplied along with these gauges. The maximum permitted working pressure varies with length.

SERIES W: WELDPAD GAUGES

These are flat glass liquid level gauges designed to become an integral part of the vessel. They are available in both reflex and transparent types. Reflex glasses are used where liquid level reading is the only requirement. Transparent gauges are used where it is required to see into the vessel or for interface application. These gauges are available with flat back or radiused back.



PRESSURE- TEMPERATURE RATING FOR LEVEL GAUGES										
Number of Windows (Max. Pressure in Bars)										
Temp Deg C	1	2	3	4	5	6	7	8	9	
SERIES G	TRANSPARENT (Series GT)									
	40	136	125	119	107	102	91	85	75	67
	95	120	121	115	105	99	90	80	72	65
	150	120	113	104	100	90	82	75	67	60
	205	115	108	100	92	85	78	70	63	58
	260	104	100	91	85	78	70	65	58	51
	316	92	86	80	75	70	63	57	50	46
	REFLEX (Series GR)									
	40	204	200	185	177	170	160	151	144	136
	95	193	186	178	170	160	151	143	136	130
	150	182	173	167	158	150	142	135	128	120
	205	170	161	155	145	140	132	125	117	110
	260	155	147	140	134	126	120	112	106	100
	316	138	132	126	120	113	105	100	95	90
SERIES H	TRANSPARENT (Series HT)									
	40	206	200	188	180	170	163	155	144	136
	95	196	190	180	170	160	155	146	140	130
	150	190	174	168	160	153	145	136	130	120
	205	174	165	160	151	145	136	130	120	115
	260	160	153	149	140	132	126	120	113	104
	316	141	135	128	123	118	112	105	99	92
	REFLEX (Series HR)									
	40	275	265	257	247	240	227	220	212	206
	95	260	253	246	235	229	220	213	205	195
	150	246	237	230	223	215	205	197	191	183
	205	228	220	212	205	200	191	185	175	170
	260	210	202	196	188	185	175	170	161	155
	316	190	185	178	170	165	160	152	145	140
SERIES W	Series WR or WF									
	40	205	200	190	180	170	162	152	143	136
	95	195	190	180	171	161	155	145	140	130
	150	190	175	170	160	153	145	137	130	120
	205	173	165	160	151	145	137	130	120	115
	260	160	155	138	140	132	125	120	112	105
	316	141	135	157	123	117	110	103	100	92

PRESSURE- TEMPERATURE RATING FOR TUBULAR LEVEL GAUGES (Series T)

Single glass length (mm)	Maximum hydro test pressure for:	
	Temp upto 65°C with no corrosion BAR	Steam boiler services upto 218°C BARS
200	7	10
250	7	10
300	7	10
350	7	10
400	7	10
450	7	10
500	7	10
600	7	10

STANDARD VISIBLE LENGTH CHART
DIMENSIONS AND WEIGHT



SIZE NO.	VISIBLE LENGTH	NORMAL LENGTH	WEIGHT	
			REFLEX	TRANS.
11 -*	95	133	3.6	5.5
12 -*	121	159	4.1	6.4
13 -*	146	210	5.0	7.7
14 -*	171	235	5.5	7.7
15 -*	200	264	6.4	9.5
16 -*	232	295	7.3	10.9
17 -*	260	324	8.2	12.3
18 -*	302	365	9.1	13.6
19 -*	321	384	9.5	14.5
23 -*	330	394	10.0	15.0
24 -*	381	445	11.4	17.3
25 -*	438	502	12.7	19.5
26 -*	502	565	14.5	22.2
27 -*	559	622	15.9	24.5
28 -*	641	705	18.2	27.7
29 -*	679	743	19.5	29.0
36 -*	772	835	21.8	33.0
37 -*	857	921	24.0	36.3
38 -*	981	1045	27.2	41.7
39 -*	1038	1102	29.0	44.0
47 -*	1156	1219	31.8	48.5
48 -*	1321	1384	36.3	55.4
49 -*	1397	1461	38.5	58.5
57 -*	1454	1518	39.6	60.8
58 -*	1661	1724	45.5	69.0
59 -*	1756	1819	48.0	73.1
68 -*	2000	2064	55.1	82.6
69 -*	2115	2178	57.5	87.7
78 -*	2340	2403	65.5	96.2
79 -*	2473	2537	67.0	102.3
88 -*	2680	2743	74.7	109.8
89 -*	2832	2896	78.4	116.9
98 -*	3020	3083	83.8	123.4
99 -*	3191	3229	87.5	125.4

*- Replace with R for Reflex and T for Transparent

All dimensions in millimeters

All weights in kilograms

Support brackets are provided on all gauges consisting of 5 sections or more

All information stated above is approximate and is given for guidance only.

***PTFE/ PFA lined level gauges shall be manufactured upon Client's request.**



PROCESS INSTRUMENTATION AND ENGINEERS,

P- 51/2, Pearl Road, Kinfra IIT Park, Menonpara Road, Kanjikode, Palakkad District, Kerala - 678621.

Mob: +91- 9061990002/9048882022/8281269991. E-mail: pienggerala@gmail.com