

SELECTION DATA *Minimum 'M' Vessel Centres (mm)*

1. Select gauge type (See Page 2)

Standard, large chamber or weld-on. Reflex and Transparent can be used on most process applications but Transparent is recommended for:-

- Media which are corrosive to glass (eg. caustic alkalis, hydrofluoric acid, high pressure steam/water). In such cases Transparent Level Gauges must be protected by Mica or Kel-F shields (max.temp.120°C).
- Viscous media.
- Observation of colour or turbidity.
- Interface applications.
- Where lighting is inadequate and illuminators are required see following page.

Large Chamber Level Gauges are used only on applications where the medium boils or surges and 'Weld-On' Gauges for low pressure safe media applications.

2. Select the material (page 2)

3. Select the pressure rating required (page 2)

4. Select shut-off device (page 3)

5. Select the required configuration (Refer to tabulation)

Knowing the factors controlling the dimensions, (i.e. fixed vessel connections and/or fixed sight length, valve type RAV

or DG and connections screwed or union) select from the tabulations the nearest gauge combination observing the following points.

- Minimum vessel centres can be increased to suit the actual centres required.
- Maximum sight for any centre length is with side connected, offset inside.
- DG Cocks are usually supplied end connected.

Notes (see bottom of page)

Standard Gauges

(1-I to 9-IX)

- For 3/4" gauge connections dimensions as above.
- For 3/4" gauge connections add 14mm.
- For 3/4" screwed side or back add 34mm.
- T50-T100-T160-T250 with 1/2" back connections add 34mm.
- For 3/4" side or back connections add 34mm.

Note: 3/4" screwed connections not available on T250 and R250.

Large Chamber Gauges

(1-I to 6-IX)

- Overall length 'K' add 32mm.
- For flanged end connections or 1/2" end connected DG/RAVs add 32mm.
- For flanged/screwed side or back add 49mm.
- Refer to T & C for all configurations (ie. 3/4" connections).

Weld-On Gauges

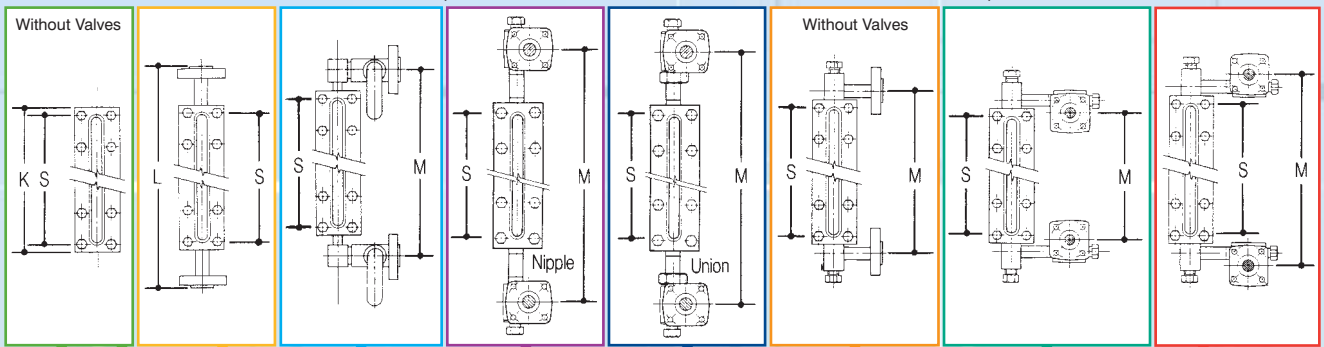
(1-I to 4-IX)

- No valves supplied dimensions as S and K.

End Connected

1/2" End Connected

Side/back Connected



Gauge Size	Visible S	Flanged end K	Flanged end L	DG Cock	RAV Type 946, 956	RAV Type 947, 957	Flanged 1/2" Screwed Side or Back	1/2" Offset Inside All RAV Types	1/2" Offset Outside All RAV Types
1-I	93	128	278	190	225	265	154	114	194
1-II	118	153	303	215	250	290	179	139	219
1-III	143	178	328	240	275	315	204	164	244
1-IV	168	203	353	265	300	340	229	189	269
1-V	198	233	383	295	330	370	259	219	299
1-VI	228	263	413	325	360	400	289	249	329
1-VII	258	293	443	355	390	430	319	279	359
1-VIII	298	333	483	395	430	470	359	319	399
1-IX	318	353	503	415	450	490	379	339	419
2-IV	373	408	558	470	505	545	434	394	474
2-V	433	468	618	530	565	605	494	454	535
2-VI	493	528	678	590	625	665	554	513	594
2-VII	553	588	738	650	685	725	614	574	654
2-VIII	633	668	818	730	765	805	694	654	734
2-IX	673	708	858	770	805	845	734	694	774
3-VI	758	793	943	855	890	930	819	779	859
3-VII	848	883	1033	945	980	1020	909	869	949
3-VIII	968	1003	1153	1065	1100	1140	1029	989	1069
3-IX	1028	1063	1213	1125	1160	1200	1089	1049	1129
4-VII	1143	1178	1328	1240	1275	1315	1204	1164	1244
4-VIII	1303	1338	1488	1400	1435	1475	1364	1324	1404
4-IX	1383	1418	1568	1480	1515	1555	1444	1404	1484
5-VII	1438	1473	1623	1525	1570	1610	1499	1459	1539
5-VIII	1638	1673	1823	1735	1770	1810	1699	1659	1739
5-IX	1738	1773	1923	1835	1870	1910	1799	1759	1839
6-VIII	1973	2008	2158	2070	2105	2145	2034	1994	2074
6-IX	2093	2128	2278	2190	2225	2265	2154	2114	2194
7-VIII	2308	2343	2493	2405	2440	2480	2369	2329	2409
7-IX	2448	2483	2633	2545	2580	2620	2509	2469	2549
8-VIII	2643	2678	2828	2740	2775	2815	2704	2664	2744
8-IX	2803	2838	2988	2900	2935	2975	2864	2824	2904
9-VIII	2978	3013	3163	3075	3110	3150	3039	2999	3079
9-IX	3158	3193	3343	3255	3290	3330	3219	3179	3259

Notes on

Standard gauges -

Notes on large Chamber & weld-on gauges

F & J G G G G H I I