

### Series Q30 Liquid Level Gauges

Series Q30 Liquid Level Gauges are high pressure liquid level gauges with pressure ratings up to 4000 PSI @ 100 F°. Series Q30 liquid level gauges are available in both reflex and transparent application. These gauges are designed with a heavy duty chamber machined out of solid bar stock, complete with sectional gauge covers and gauge glasses. These gauges are assembled with special bolts and nuts that compliment the service level of the gauge. The pressure rating shown in the tables is for the standard non-asbestos or grafoil and carbon steel chamber, as well as the stainless steel series 300 or 300L. The pressure is only 50% for Kel-F shields and pure teflon. The pressure is 80% for 25% glass filled teflon gaskets. Lower temperature applications are possible with the variation in metallic material. Construction of 316 stainless steel with grafoil gaskets are rated to 326 F°.



Q17-T-30<sup>2</sup>



Q17-R-30<sup>2</sup>

### PRESSURE / TEMPERATURE RATINGS (Flanged gauges take flanged rating when lower)

TRANSPARENT GLASS SIZE									
	1	2	3	4	5	6	7	8	9
Test Pressure	4500	4350	4125	3900	3750	3570	3375	3150	3000
Deg.°F 100	3000	2900	2750	2600	2500	2380	2250	2100	2000
200	2850	2775	2620	2500	2350	2260	2125	2020	1900
300	2775	2550	2450	2340	2250	2120	2000	1900	1775
400	2520	2410	2310	2200	2100	1980	1890	1760	1675
500	2325	2240	2140	2050	1925	1850	1750	1650	1550
600	2050	1950	2290	1800	1720	1640	1525	1450	1350
750	1700	1600	1550	1470	1400	1330	1260	1200	1100
<b>SATURATED STEAM USING MICA</b>									
	750	750	750	750	750	750	750	750	750

REFLEX GAUGE GLASS SIZE									
	1	2	3	4	5	6	7	8	9
Test Pressure	6000	5775	5625	5400	5250	5025	4830	4650	4500
Deg.°F 100	4000	3850	3750	3600	3500	3325	3220	3100	3000
200	3795	3675	3580	3425	3320	3200	3090	2980	2850
300	3590	3470	3350	3245	3120	3000	2890	2780	2660
400	3320	3210	3110	3000	2900	2790	2680	2570	2460
500	3075	2960	2875	2750	2675	2560	2460	2355	2265
600	2785	2700	2600	2500	2410	2320	2220	2130	2040
750	2300	2220	2150	2070	2000	1900	1820	1720	1650
<b>SATURATED STEAM RATING 300 WSP</b>									

% of Rating	100%	90%	50%
CHAMBER MATERIAL	CARBON STEEL, STAINLESS STEEL SERIES 300 OR 300L	MONEL	BRASS
GASKETING	BONDED COMPRESSED FIBERS OR TEFLON GLASS FILLED		PURE TEFLON KEL-F (SHIELDS)

TEST PRESSURE: All gauges are hydrostatically tested by Quality prior to shipment @ 1-1/2 times the design pressure rating at 100°F.