

against the stand pipe or bell casing even when the meter is not level.

The maximum capacity of the meter may be altered without changing the primary element when conditions make it desirable by replacing the Ledoux bell assembly with another of different maximum differential and changing the lower part of the bell casing.

It should be noted that in no instance does the chart reading indicate the differential pressure. The relationship between the differential and the chart reading for the type "C" meter is shown in the following table. In general:

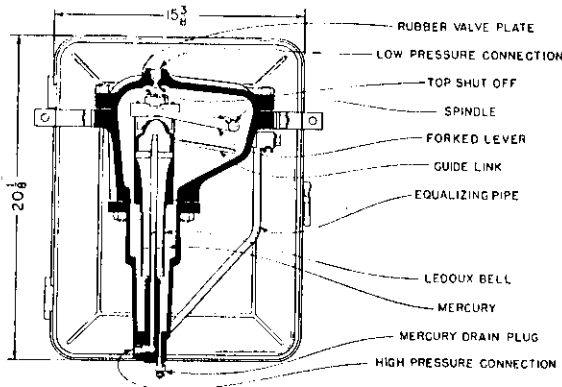
$$\begin{aligned} &\text{the differential pressure in inches of water} \\ &= (\% \text{chart reading})^2 \times \text{maximum differential for meter} \end{aligned}$$

Per Cent Chart Reading	Differential Pressure "h" inches of water	
	57.22" water max.	129.55" water max.
10	.572	1.30
20	2.29	5.18
30	5.15	11.66
40	9.16	20.73
50	14.31	32.39
60	20.60	46.64
70	28.04	63.48
80	36.62	82.91
90	46.35	104.94
100	57.22	129.55

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Bailey type "C" Flow Mechanism