INTRODUCTION

Manometers are used in various industrial applications for pressure and vacuum measurements. Manometers are also used for flow measurement techniques. They are available in wall-mounting or pedestal type and 'U' tube or single limb type. The manometer may be of inclined type or provided a vernier scale for obtaining greater accuracy.

The normal accuracy of the manometer is 1mm but by providing an inclined tube 0.1mm or better accuracy can be obtained. A movable vernier can further provide a readability of 0.1mm. Graduations in inches and cms are standard. Special type of scales can be provided to take care of specific requirements.

SINGLE LIMB MANOMETERS

Are provided with a well which has a much larger area to that of the manometer tube and the level variation in the well is negligible to the rise in level in the Manometer tube. The Scales of these manometers are also prepared in such a manner as to compensate the level change in the well. Multi tube manometers with individual wells are used for multiple reading of pressure and also suitable for tank level gauging with purge tube.

'U' TUBE MANOMETER

The standard 'U' tube type manometer has two straight glass tubes with a 'U' bend at the bottom end. These manometers are provided with top and bottom blocks and fitted with such accessories like external zero adjuster valve, safety cover, filling and drain plugs, catch pots, zero leak ball check valves, zero adjustable scale, vernier scale, levelling screws, swivelling body, etc.

CONNECTION:

½", ⅛", ⅛"; BSP, NPT, Ferrule or hose connector.

RANGE

Maximum range 0-3000mm

CHECK VALVE AND RETURN WELLS:

Check valve is used to prevent the fluid from leaving the manometer if the instrument is operated beyond the range, either due to high range or surge conditions. Return wells are used to prevent loss of the indicating fluid by collecting the over flow fluid and returning it to the Manometer.