

Follower/Flag Style Indicators

**Follower
Style
Indicator**



**Flag
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Follower Style Indicator

In **MG Follower-Type** models, the unit consists of a hermetically-sealed tube in a protective view housing. Within this tube is a gold anodized aluminum follower which will mirror level changes in the process tank. This entire assembly is attached to the communicating chamber where the follower is magnetically coupled with the float. Because the follower and float are magnetically linked, liquid level changes in the process tank will cause both float and follower to rise and fall in unison. The result is a precise indication of the liquid level within the vessel.

Flag Style Indicator

MG Flag-Type monitors provide a more secure link between the indicator and float. The view housing is sealed and consists of a single column assembly of aluminum flags within an extruded aluminum channel. These flags are anodized with black on one side and gold on the other. Each flag houses a small magnet and is assembled on a single, individual axle. As the float in the communicating chamber rises and falls, the magnetic interaction between float and flag magnets cause the flags to rotate 180°. These changes are shown through contrasting colors – black above and gold below the liquid level.

To insure trouble-free operation, Penberthy's flags are magnetically interlocked and utilize mechanical stops. This prevents over-rotation. Penberthy's redundant axle system prevents binding, with each flag allowed to rotate on the axle and each axle free to rotate in the channel. This method of indication is always accurate, regardless of the speed of process level change or vibration.