

Caisson Gauge



Important Features for Diving Industry

A gauge having the pressure element enclosed within a sealed chamber providing a fixed reference so that the gauge indicates pressure relative to this reference pressure datum.

The “Caisson” application is where the gauge is exposed to water pressure with the gauge being in the ambient caisson atmosphere. The gauge reading will then always be relative to the datum pressure.

The 3D Caisson Gauge employs an exclusive magnetic coupling. This magnetic coupling permits the pressure element to drive the pointer through the sealed chamber wall, without shaft seals. This coupling is “direct” in the sense that the drive is positive within the accuracy tolerance of the gauge. By employing this unique magnetic coupling the capsule can be sealed hermetically without adding friction error.

- Accuracy of ¼ of 1%
- **Dial Size** – 6, 8.5, and 12 inches
- **Connection Locations** – at back or at bottom

Water Trap for Caisson Gauge



AAI Water Trap is designed to protect the Caisson Gauge that registers external pressure. The water is trapped in an acrylic cylinder so it does not reach the internal parts of the caisson gauge preventing corrosion.