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High-Precision Aluminum Measuring Hole with Built-in Ball Valve

HBMHBV Series of Measuring Holes are made in material of cast aluminum. It is a dedicated accessory used to measure the oil level inside the tank, as well as to draw oil samples. Installed on the top of the oil tank, it serves the purpose of measuring the oil level, testing, and sampling. Each oil tank typically has one located near the tank ladder platform. It is equipped with a seal-able hole cover and lockable bolts. To prevent sparks during closure when the hole cover contacts iron, the sealing groove of the hole cover is embedded with an oil-resistant rubber gasket or soft metal (copper or aluminum).

They are features a built-in ball valve. The advantage of this design is that when people open the oil measuring hole cover, the vapor from the underground tank will not suddenly spray out. Instead, it can be gradually released by turning the handle of the ball valve, providing a better dual-sealing performance.



HBMHBV-80-160 of Measuring Hole

Technique Specification:

Body: Aluminum
Cap: Aluminum
Cap Opening Type: Bolting
Size: DN80 to DN150 (3 to 6 inch)
Temperature Range: -20~+50°C
Ball: Steel or Stainless steel for Option
Gasket: Teflon and Buna-N
Working Pressure: 0.3 to 1.0 Mpa
Standard of connecting flange can be produced according to client's detailed requirement.

Ordering Specifications:

| Item No. | Diameter Size | Bolt Hole Center to Center Distance | Opening Type |
|------------------|---------------|-------------------------------------|--------------|
| HBMHBV-80-160-B | 80 mm | 160 mm | Bolting |
| HBMHBV-100-170-B | 100 mm | 170 mm | Bolting |
| HBMHBV-100-180-B | 100 mm | 180 mm | Bolting |
| HBMHBV-150-225-B | 150 mm | 225 mm | Bolting |
| HBMHBV-150-240-B | 150 mm | 240 mm | Bolting |