100mm Severe Service Gauge

- Brass or Stainless Steel Internal
- · Hermetically Sealed Field Fillable

Marsh Instruments Liquid Filled Gauges are designed to perform in rugged applications and harsh environmental conditions - especially where pulsation and vibration are a problem. Liquid Filled Gauges offer a significant cushioning and dampening effect, reducing pointer flutter and internal gauge damage; also lubricating the internals, and reducing corrosion. All stainless steel Liquid Filled Gauges feature a vent top fill plug for pressure relief and ease of venting after installation. The hermetically sealed construction reduces the chance of leaks, and makes field filling an easy option.

Typical applications include refineries, chemical plants, offshore platforms, oil rigs, marine applications and OEM processes.

Specifications

| Accuracy | ASME Grade A - ±2/1/2% | | | | | |
|------------------------|--|---------|---------|-----------------|---------|---------|
| <u>'</u> | (±1% of range across middle half of scale) | | | | | |
| Case Material | 304 Stainless Steel | | | | | |
| Movement | Brass sector and pinion | | | | | |
| Dial Standard | Dual scale PSI & kPa | | | | | |
| Dial Color | Black markings on white | | | | | |
| Pointer | Aluminum. black painted | | | | | |
| Window | Polycarbonate | | | | | |
| Fill Medium | Glycerine | | | | | |
| Restrictor | Standard for all ranges | | | | | |
| Vent Plug | Removable tip for venting | | | | | |
| Case Size | 100mm | | | | | |
| Internal Tube & Socket | Copper Alloy | | | Stainless Steel | | |
| Mounting/Case Style | LM | CB | UC | LM | CB | UC |
| Connection | 1/4 NPT | 1/4 NPT | 1/4 NPT | 1/4 NPT | 1/4 NPT | 1/4 NPT |
| O to 30" Hg VAC | X32965P | | | X32967P | | |
| 30" Hg VAC to 30 PSI | X32501P | | | | | |
| 30" Hg VAC to 60 PSI | X32502P | | | | | |
| 30" Hg VAC to 100 PSI | | | | | | |
| 30" Hg VAC to 150 PSI | X32887P | X32901P | X32894P | X32929P | X32941P | X32935P |
| 30" Hg VAC to 200 PSI | X32888P | X32902P | X32895P | X32930P | X32942P | X32936P |
| 30" Hg VAC to 300 PSI | X32889P | X32903P | X32896P | X32931P | X32943P | X32937P |
| 0 to 15 PSI | X32504P | X32546P | X32525P | X32630P | X32678P | X32654P |
| 0 to 30 PSI | X32505P | X32547P | X32526P | X32631P | X32679P | X32655P |
| 0 to 60 PSI | X32506P | X32548P | X32527P | X32632P | X32680P | X32656P |
| 0 to 100 PSI | X32507P | X32549P | X32528P | X32633P | X32681P | X32657P |
| 0 to 160 PSI | X32508P | X32550P | X32529P | X32634P | X32682P | X32658P |
| 0 to 200 PSI | X32509P | X32551P | X32530P | X32635P | X32683P | X32659P |
| 0 to 300 PSI | X32510P | X32552P | X32531P | X32636P | X32684P | X32660P |
| 0 to 400 PSI | X32511P | X32553P | X32532P | X32637P | X32685P | X32661P |
| 0 to 600 PSI | X32512P | X32554P | X32533P | X32638P | X32686P | X32662P |
| 0 to 1,000 PSI | X32513P | X32555P | X32534P | X32639P | X32687P | X32663P |
| 0 to 1,500 PSI | X32514P | X32556P | X32535P | | | |
| 0 to 2,000 PSI | X32515P | X32557P | X32536P | X32641P | X32689P | X32665P |
| 0 to 3,000 PSI | X32516P | X32558P | X32537P | X32642P | X32690P | X32666P |
| 0 to 5,000 PSI | X32518P | X32560P | X32539P | X32644P | X32692P | X32668P |
| 0 to 6,000 PSI | X32519P | X32561P | X32540P | X32645P | X32693P | X32669P |
| 0 to 10,000 PSI | | | | X32647P | X32695P | X32671P |

NOTE: _____ Items are available on special order. However, minimums and lead times apply. Consult factory.

| Option | Туре | Suffix | Available On Models | |
|---------------------|--------------------------|-----------------|--|--|
| Fill Medium | Dry (no fill) | Delete suffix P | All models | |
| | Silicone option (SL) | I | All models | |
| Front Flange | Adapter ring (3 hole) | R | Center Back & U-Clamp only (factory Installed) | |
| Catalog Dials | PSIG only | E | See Marsh Price List for minimum | |
| | BAR only | L1 | | |
| | kg/cm² only | L2 | | |
| | kPa only | L3 | | |
| | MPa | L4 | | |
| | PSI & BAR | W1 | | |
| | PSI & kg/cm ² | W2 | | |
| | PSIG & MPa | W4 | | |
| Custom Dials | Logo or Custom face | M | Consult factory for colors and minimums | |
| Restrictor | Special restrictor | Н | All models - See Marsh Price List for minimum | |
| | Restrictor removed | H1 | | |
| Increased Accuracy | Grade 1A ± 1% full scale | В | All models - See Marsh Price List for minimum | |
| Special Connections | | | Consult Factory | |

20000