

# 63MM SEVERE SERVICE GAUGE

- 3 Standard Mounting Options: LM, CB and U-Clamp
- Glycerine Filled
- Ranges to 10,000 psi

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 ventable top fill plug for pressure relief and ease of venting after installation. Pressure ranges are available through 10,000 psi, with high pressure ranges offering a Helical Bourdon Tube for longer gauge life and increased durability. 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, general industrial application and OEM processes.

## STANDARD RANGES & PART NUMBERS

| TYPE                  | 63MM SEVERE SERVICE GAUGES |         |         |                     |         |         |
|-----------------------|----------------------------|---------|---------|---------------------|---------|---------|
| Size                  | 63mm                       |         |         | 63mm                |         |         |
| Case Material         | 304 Stainless Steel        |         |         | 304 Stainless Steel |         |         |
| Internals             | Copper Alloy               |         |         | Stainless Steel     |         |         |
| Mounting / Case Style | LM                         | UC      | CB      | LM                  | UC      | CB      |
| Connection            | 1/4 NPT                    | 1/4 NPT | 1/4 NPT | 1/4 NPT             | 1/4 NPT | 1/4 NPT |
| Scale Standard        | psi/kPa                    |         |         | psi/kPa             |         |         |
| 0 to 30" Hg VAC       | J7605P                     | J7205P  | J6405P  | J7805P              | J7405P  | J6605P  |
| 30" Hg VAC to 15 psi  |                            |         |         |                     |         |         |
| 30" Hg VAC to 30 psi  | J7612P                     |         |         |                     |         |         |
| 30" Hg VAC to 60 psi  | J7614P                     |         |         |                     |         |         |
| 30" Hg VAC to 100 psi |                            |         |         |                     |         |         |
| 30" Hg VAC to 150 psi | J7618P                     | J7218P  | J6418P  | J7818P              | J7418P  | J6618P  |
| 30" Hg VAC to 200 psi | J7620P                     | J7220P  | J6420P  | J7820P              | J7420P  | J6620P  |
| 30" Hg VAC to 300 psi | J7624P                     | J7224P  | J6424P  | J7824P              | J7424P  | J6624P  |
| 30" Hg VAC to 400 psi | J7626P                     | J7226P  | J6426P  | J7826P              | J7426P  | J6626P  |
| 0 to 15 psi           | J7640P                     | J7240P  | J6440P  | J7840P              | J7440P  | J6640P  |
| 0 to 30 psi           | J7642P                     | J7242P  | J6442P  | J7842P              | J7442P  | J6642P  |
| 0 to 60 psi           | J7646P                     | J7246P  | J6446P  | J7846P              | J7446P  | J6646P  |
| 0 to 100 psi          | J7648P                     | J7248P  | J6448P  | J7848P              | J7448P  | J6648P  |
| 0 to 160 psi          | J7652P                     | J7252P  | J6452P  | J7852P              | J7452P  | J6652P  |
| 0 to 200 psi          | J7654P                     | J7254P  | J6454P  | J7854P              | J7454P  | J6654P  |
| 0 to 300 psi          | J7658P                     | J7258P  | J6458P  | J7858P              | J7458P  | J6658P  |
| 0 to 400 psi          | J7660P                     | J7260P  | J6460P  | J7860P              | J7460P  | J6660P  |
| 0 to 600 psi          | J7664P                     | J7264P  | J6464P  | J7864P              | J7464P  | J6664P  |
| 0 to 1,000 psi        | J7672P                     | J7272P  | J6472P  | J7872P              | J7472P  | J6672P  |
| 0 to 1,500 psi        | J7674P                     | J7274P  | J6474P  | J7874P              | J7474P  | J6674P  |
| 0 to 2,000 psi        | J7676P                     | J7276P  | J6476P  | J7876P              | J7476P  | J6676P  |
| 0 to 3,000 psi        | J7678P                     | J7278P  | J6478P  | J7878P              | J7478P  | J6678P  |
| 0 to 5,000 psi        | J7682P                     | J7282P  | J6482P  | J7882P              | J7482P  | J6682P  |
| 0 to 6,000 psi        | J7684P                     | J7284P  | J6484P  | J7884P              | J7484P  | J6684P  |
| 0 to 10,000 psi       |                            |         |         | J7890P              | J7490P  | J6690P  |

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

## Severe Service



## SPECIFICATIONS

**ACCURACY**  
ASME Grade B -  $\pm 3/2/3\%$  ( $\pm 2\%$  of range across middle half of scale)

**CASE SIZES**  
63mm (2.47") diameter

**CASE MATERIAL**  
304 Stainless Steel

**CASE STYLE**  
Rolled ring, hermetically sealed case  
CB - Center Back Mount  
LM - Lower Mount  
UC - U-Clamp Mount

**TUBI & SOCKET**  
Copper alloy or 316 stainless steel

**MOVEMENT**  
Brass

**CONNECTION**  
1/4 NPT

**RANGES**  
0 to 30" Hg VAC; Compound 30" Hg to 400 psi; 15 to 10,000 psi

**DIAL STANDARD**  
Dual scale psi and kPa

**DIAL COLOR**  
Black markings on white

**POINTER**  
Aluminum, black painted

**WINDOW**  
Polycarbonate

**FILL MEDIUM**  
Glycerine Standard

**RESTRICTOR**  
Standard for all ranges

**VENT PLUG**  
Rubber plug with snip-off feature

**WEIGHT**  
Filled 1.0 lb.  
Dry 0.7 lb.

# Master Gauge Co.

## WHEN UNDER PRESSURE THINK OF US!

1150 W. GRAND AVE. CHICAGO, IL 60642 - TOLL-FREE: 1-800-259-2705 - PHONE: 1-312-666-2705 - FAX: 1-312-666-6458 - MASTERGAUGE.CO.COM

**MARSH**

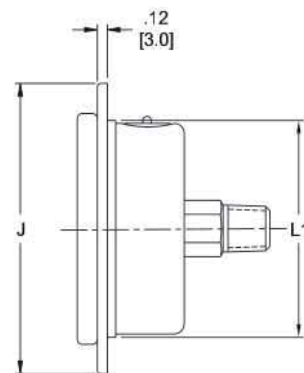
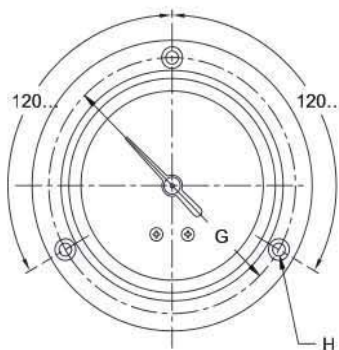
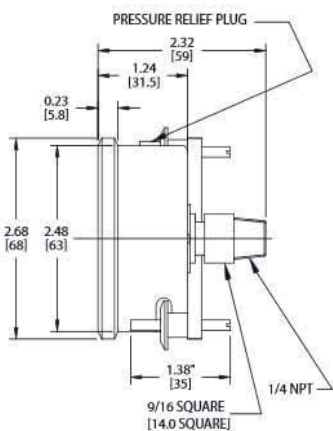
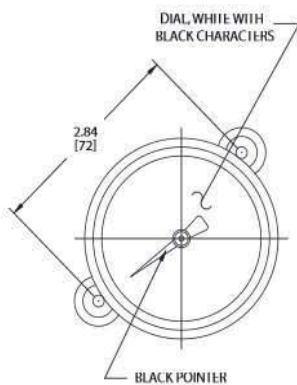




| 63MM SEVERE SERVICE GAUGE OPTIONS  |                         |                 |                                                |
|------------------------------------|-------------------------|-----------------|------------------------------------------------|
| OPTION                             | TYPE                    | SUFFIX          | AVAILABLE ON MODELS                            |
| Fill Medium                        | Dry (no fill)           | Delete suffix P | All models                                     |
|                                    | Silicone (SL)           | I               | All models                                     |
| Front Flange                       | Adapter ring (3 hole)   | R1              | Center Back & U-Clamp only (factory Installed) |
|                                    | Adapter ring (no holes) | R2              | U-Clamp only (factory Installed)               |
| Bayonet Case & Ring w/Safety Glass |                         | J               | Center Back or Lower Mount (consult factory)   |
| Catalog Dials                      | psi only                | E               | See Marsh Price List for minimum               |
|                                    | bar only                | L1              |                                                |
|                                    | kg/cm² only             | L2              |                                                |
|                                    | kPa only                | L3              |                                                |
|                                    | MPa only                | L4              |                                                |
|                                    | psi & bar               | W1              |                                                |
|                                    | psi & kg/cm²            | W2              |                                                |
|                                    | psi & MPa               | W4              |                                                |
| Custom Dials                       | Logo or Custom face     | M               | Consult factory for colors and minimums        |
| Restrictor                         | Special restrictor      | H               | All models - See Marsh Price List for minimum  |
|                                    | Restrictor removed      | H1              |                                                |
| Increased Accuracy                 | Grade A (2/1/2%)        | B               | All models - See Marsh Price List for minimum  |
| Special Connections                |                         |                 | Consult Factory                                |

### Dimension Table

| Gauge Size | Connection | A     | C     | G     | H     | K     | J    | L     | L1   |
|------------|------------|-------|-------|-------|-------|-------|------|-------|------|
| 63mm       | ¼"         | 2.66" | 1.03" | 2.95" | 0.15" | 0.56" | 3.35 | 2.43" | 2.5" |
|            |            | 68mm  | 26mm  | 75mm  | 4mm   | 14mm  | 85mm | 62mm  | 64mm |



ALL DIMENSIONS ARE NOMINAL

*Master Gauge Co.*



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