

# MODEL 30

## 1% STAINLESS STEEL PRESSURE GAUGES - DRY OR LIQUID FILLED

*Designed for heavy duty service in process and industrial applications such as chemical, petrochemical, power, food processing and biotechnology.*



### SPECIFICATIONS:

|                      |   |
|----------------------|---|
| Dial Size:           | 2-1/2", 4" or 6"  |
| Accuracy:            | ±1% FS - ANSI Grade 1A  |
| Case:                | 304SS   |
| Bezel:               | 304SS Bayonet Lock Type (4" and 6")<br>304SS Crimped Type (2-1/2")  |
| Socket:              | 316SS or Monel  |
| Bourdon Tube:        | 316SS or Monel  |
| Movement:            | 316SS or Monel with Overload/<br>Underload Stops  |
| Lens:                | Laminated Safety Glass  |
| Pointer:             | 2-1/2": Non-Adjustable<br>4": Friction Adjustable<br>6": Micrometer Adjustable  |
| Dial:                | Heavy Gage Aluminum   |
| Connection:          | 2-1/2": 1/4" NPT Lower or Center Back<br>4": 1/4" NPT & 1/2" NPT Lower<br>or Lower Back<br>6": 1/2" NPT Lower or Lower Back |
| Range:               | See Range Chart   |
| Scales:              | psi (metric available)  |
| Protection Standard: | IP65 in accordance with NF EN 60529   |

### MODEL CODES:

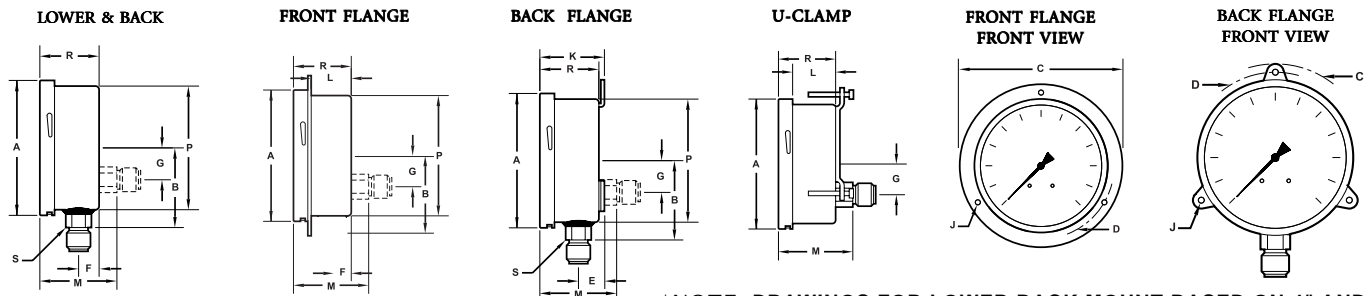
|           |                       |
|-----------|-----------------------|
| Model 30S | 316SS Tube and Socket |
| Model 30M | Monel Tube and Socket |

| Estimated Shipping Weights |              |              |
|----------------------------|--------------|--------------|
| DIAL SIZE                  | DRY          | FILLED       |
| 2-1/2"                     | 6 oz.        | 9 oz.        |
| 4"                         | 1 lb. 3 oz.  | 2 lbs.       |
| 6"                         | 2 lbs. 1 oz. | 3 lbs. 6 oz. |

### ▶ AVAILABLE OPTIONS:

- U-Clamp (2-1/2"- 4")
- Front Flange (back mount only)
- Back Flange
- Fill (Glycerine Standard)
- Other Fluids Available
- Drag Pointer (4" & dry only)
- Oxygen Cleaning (dry only)

### ▶ AVAILABLE CASE STYLES AND DIMENSIONS:



\*NOTE: DRAWINGS FOR LOWER BACK MOUNT BASED ON 4" AND 6"

| DIAL   | A                  | B               | C                | D                | E                 | F              | G                 | J               | K                 | L                 | M                 | P                | R                 | S              |
|--------|--------------------|-----------------|------------------|------------------|-------------------|----------------|-------------------|-----------------|-------------------|-------------------|-------------------|------------------|-------------------|----------------|
| 2-1/2" | 2.66"<br>(67,6mm)  |                 | 3.19"<br>(81mm)  | 2.95"<br>(75mm)  |                   | .43"<br>(11mm) |                   | .14"<br>(3,6mm) |                   | .69"<br>(17,5mm)  | 1.46"<br>(37mm)   | 2.48"<br>(63mm)  | 1.12"<br>(28,5mm) | .55"<br>(14mm) |
| 4"     | 4.18"<br>(106,2mm) | 2.48"<br>(63mm) | 5.12"<br>(130mm) | 4.65"<br>(118mm) | 1.00"<br>(25,5mm) | .91"<br>(23mm) | 1.24"<br>(31,5mm) | .22"<br>(5,5mm) | 2.22"<br>(56,5mm) | 1.55"<br>(39,3mm) | 2.70"<br>(68,5mm) | 3.86"<br>(98mm)  | 2.15"<br>(54,5mm) | .87"<br>(22mm) |
| 6"     | 5.91"<br>(150,2mm) | 3.35"<br>(85mm) | 7.09"<br>(180mm) | 6.61"<br>(168mm) | 1.00"<br>(25,5mm) | .91"<br>(23mm) | 1.24"<br>(31,5mm) | .22"<br>(5,5mm) | 2.22"<br>(56,5mm) | 1.55"<br>(39,3mm) | 2.70"<br>(68,5mm) | 5.59"<br>(142mm) | 2.15"<br>(54,5mm) | .87"<br>(22mm) |



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► HOW TO ORDER:

To Build A Part Number: Select one code from each column to build your gauge.

| DIAL   | MODEL CODE   | TUBE & SOCKET                        | CASE                       | CONN. SIZE                         | CONN. LOCATION                             | CONN. TYPE   | RANGE & SCALE                                  | OPTIONS   |
|--------|--------------|--------------------------------------|----------------------------|------------------------------------|--|--|--|---|
| 2-1/2" | <b>25 30</b> | <b>S</b> = 316SS<br><b>M</b> = Monel | <b>S</b> = Stainless Steel | <b>4</b> = 1/4"                    | <b>L</b> = Lower<br><b>C</b> = Center Back | <b>1</b> = NPT<br><b>2</b> = BSPT<br><b>3</b> = BSP straight | See Range Chart<br>(Up to range of 10,000 psi) | <b>C</b> = Oxygen Cleaning (dry)<br><b>E</b> = Back Flange<br><b>F</b> = Front Flange*<br><b>G</b> = Glycerine Fill<br><b>R</b> = Restrictor<br><b>S</b> = Silicone Fill<br>U-Clamp** (sold separately)                   |
| 4"     | <b>40 30</b> | <b>S</b> = 316SS<br><b>M</b> = Monel | <b>S</b> = Stainless Steel | <b>2</b> = 1/2"<br><b>4</b> = 1/4" | <b>L</b> = Lower<br><b>B</b> = Lower Back  | <b>1</b> = NPT<br><b>2</b> = BSPT<br><b>3</b> = BSP straight | See Range Chart                                | <b>C</b> = Oxygen Cleaning (dry)<br><b>D</b> = Drag Pointer<br><b>E</b> = Back Flange<br><b>F</b> = Front Flange*<br><b>G</b> = Glycerine Fill<br><b>R</b> = Restrictor<br><b>S</b> = Silicone Fill<br><b>V</b> = U-Clamp |
| 6"     | <b>60 30</b> | <b>S</b> = 316SS<br><b>M</b> = Monel | <b>S</b> = Stainless Steel | <b>2</b> = 1/2"<br><b>4</b> = 1/4" | <b>L</b> = Lower<br><b>B</b> = Lower Back  | <b>1</b> = NPT<br><b>2</b> = BSPT<br><b>3</b> = BSP straight | See Range Chart                                | <b>C</b> = Oxygen Cleaning (dry)<br><b>E</b> = Back Flange<br><b>F</b> = Front Flange*<br><b>G</b> = Glycerine Fill<br><b>S</b> = Silicone Fill<br><b>R</b> = Restrictor  |

\* Front Flange available on Back Mount only

\*\* U-clamp on 2-1/2" dial is sold separately. Order part number 95-1701

Example:

**Specs:** 2-1/2", Model 30, 316SS, 1/4" Lower, NPT, 0-1500 psi, Glycerine

|                |       |   |   |   |   |   |     |   |
|----------------|-------|---|---|---|---|---|-----|---|
| <b>Select:</b> | 25 30 | S | S | 4 | L | 1 | H2A | G |
|----------------|-------|---|---|---|---|---|-----|---|

**Ordering Format:** 2530SS4L1H2AG

► STANDARD RANGES:

| CODE = RANGE (psi)    | INTERVALS (Hg) (psi) | DIVISIONS (Hg) (psi) |
|-----------------------|----------------------|----------------------|
| <b>V1K</b> = 30" Hg   | 5"                   | .2"                  |
| <b>Z1A</b> = 30-0-15  | 5" 5                 | .5" .2               |
| <b>Z2A</b> = 30-0-30  | 5" 5                 | 1" .5                |
| <b>Z3A</b> = 30-0-60  | 10" 10               | 1" 1                 |
| <b>Z4A</b> = 30-0-100 | 30" 10               | 5" 2                 |
| <b>Z5A</b> = 30-0-160 | 30" 20               | 5" 2                 |
| <b>Z6A</b> = 30-0-200 | 30" 20               | 5" 2                 |

| CODE = RANGE (psi) | INTERVALS (psi) | DIVISIONS (psi) |
|--------------------|-----------------|-----------------|
| <b>B7A</b> = 0-15  | 3               | .1              |
| <b>C6A</b> = 0-30  | 5               | .2              |
| <b>D6A</b> = 0-60  | 10              | .5              |
| <b>D9A</b> = 0-100 | 10              | 1               |
| <b>E4A</b> = 0-160 | 20              | 2               |
| <b>E5A</b> = 0-200 | 20              | 2               |
| <b>E8A</b> = 0-300 | 50              | 2               |
| <b>F2A</b> = 0-400 | 50              | 5               |
| <b>F4A</b> = 0-600 | 100             | 5               |
| <b>F7A</b> = 0-800 | 100             | 10              |

| CODE = RANGE (psi)    | INTERVALS (psi) | DIVISIONS (psi) |
|-----------------------|-----------------|-----------------|
| <b>F8A</b> = 0-1000   | 100             | 10              |
| <b>H2A</b> = 0-1500   | 300             | 10              |
| <b>H5A</b> = 0-2000   | 200             | 20              |
| <b>H9A</b> = 0-3000   | 500             | 20              |
| <b>J4A</b> = 0-4000   | 500             | 50              |
| <b>J8A</b> = 0-5000   | 500             | 50              |
| <b>K4A</b> = 0-10,000 | 1000            | 100             |
| <b>K7A</b> = 0-15,000 | 3000            | 100             |

**NOTE: INTERVALS AND DIVISION BASED ON 4" DIAL SIZE. CONTACT FACTORY TO REQUEST INFORMATION ON OTHER DIAL SIZES.**  
**NOTE: ABOVE 15,000 PSI AVAILABLE ONLY WITH 1/2" BSP STRAIGHT CONNECTION (G'1/2).**