

# PCR LEAD FREE BRASS LIQUID FILLED SERIES

## Description & Features:

- Merit's Lead-Free brass PCR Series gauges are manufactured & tested to contain lead content of less than 0.1% in compliance with the Safe Drinking Water Act (<https://www.epa.gov/sdwa>). Look for the  that indicates that your Merit lead-free gauge is SDWA compliant!
- Glycerin filled for applications subject to vibration, to prevent pointer flutter & damage to movement gears.
- 7-Year Warranty\*

*\*Refer to Merit Instruments warranty page for full warranty details.*



## Specifications:

- Dial: 2.5" (63mm) and 4" (100mm) standard. Other sizes available upon request.
- Case: 304 stainless steel.
- Lens: Polycarbonate (PC).
- Ring: 304 stainless steel.
- Socket: Lead-free brass (<0.1% lead content).
- Bourdon Tube: Phosphor bronze.
- Movement: Stainless steel.
- Connection: 1/4" NPT bottom or center back connection. Other connections available upon request.
- Dial: Aluminum, painted white with black and red markings for dual scale ranges, and black markings for single scale ranges.
- Pointer: Aluminum, painted black.
- Working Pressure: Maximum 75% of full scale value.
- Accuracy: +/-1.5% of full scale.
- Made to ASME B40.100 standards
- IP Rating: IP65

## Applications:

- Suitable for applications that require lead-free brass and that require glycerin filling to dampen the negative effects of vibration such as: water pumps, compressors, water lines, hydraulic presses and pneumatic equipment.

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| 2.5" Dial Pressure Gauge<br>Lead-free brass internals<br>glycerine filled<br>1/4" NPT bottom connection<br><br>P = Pressure Gauge<br>CR = Crimped Ring<br>GL = Glycerine Filled Lead- Free<br>Brass internals<br>A = 2.5" Dial<br>2 = 1/4" NPT<br>100 Codes = psi only<br>200 Codes = psi/Bar<br>300 Codes = psi/kPa | PSI Ranges        | Code     | PSI/Bar Ranges   | Code     | PSI/kPa Ranges   | Code     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------------------|----------|------------------|----------|
|                                                                                                                                                                                                                                                                                                                      | Vacuum only       | PCRG2100 | Vacuum/Bar       | PCRG2200 | Vacuum/kPa       | PCRG2300 |
|                                                                                                                                                                                                                                                                                                                      | 15 psi only       | PCRG2101 | 15 psi/Bar       | PCRG2201 | 0-15 psi/kPa     | PCRG2301 |
|                                                                                                                                                                                                                                                                                                                      | 30 psi only       | PCRG2102 | 30 psi/Bar       | PCRG2202 | 0-30 psi/kPa     | PCRG2302 |
|                                                                                                                                                                                                                                                                                                                      | 60 psi only       | PCRG2103 | 60 psi/Bar       | PCRG2203 | 0-60 psi/kPa     | PCRG2303 |
|                                                                                                                                                                                                                                                                                                                      | 100 psi only      | PCRG2104 | 100 psi/Bar      | PCRG2204 | 0-100 psi/kPa    | PCRG2304 |
|                                                                                                                                                                                                                                                                                                                      | 160 psi only      | PCRG2105 | 160 psi/Bar      | PCRG2205 | 0-160 psi/kPa    | PCRG2305 |
|                                                                                                                                                                                                                                                                                                                      | 200 psi only      | PCRG2106 | 200 psi/Bar      | PCRG2206 | 0-200 psi/kPa    | PCRG2306 |
|                                                                                                                                                                                                                                                                                                                      | 300 psi only      | PCRG2107 | 300 psi/Bar      | PCRG2207 | 0-300 psi/kPa    | PCRG2307 |
|                                                                                                                                                                                                                                                                                                                      | 600 psi only      | PCRG2108 | 600 psi/Bar      | PCRG2208 | 0-600 psi/kPa    | PCRG2308 |
|                                                                                                                                                                                                                                                                                                                      | 1000 psi only     | PCRG2109 | 1000 psi/Bar     | PCRG2209 | 0-1000 psi/kPa   | PCRG2309 |
|                                                                                                                                                                                                                                                                                                                      | 1500 psi only     | PCRG2110 | 1500 psi/Bar     | PCRG2210 | 0-1500 psi/kPa   | PCRG2310 |
|                                                                                                                                                                                                                                                                                                                      | 2000 psi only     | PCRG2111 | 2000 psi/Bar     | PCRG2211 | 0-2000 psi/kPa   | PCRG2311 |
|                                                                                                                                                                                                                                                                                                                      | 3000 psi only     | PCRG2112 | 3000 psi/Bar     | PCRG2212 | 0-3000 psi/kPa   | PCRG2312 |
|                                                                                                                                                                                                                                                                                                                      | 5000 psi only     | PCRG2113 | 5000 psi/Bar     | PCRG2213 | 0-5000 psi/kPa   | PCRG2313 |
|                                                                                                                                                                                                                                                                                                                      | 0/10,000 psi only | PCRG2121 | 0/10,000 psi/Bar | PCRG2221 | 0/10,000 psi/kPa | PCRG2321 |
|                                                                                                                                                                                                                                                                                                                      | 0/15,000 psi only | PCRG2122 | 0/15,000 psi/Bar | PCRG2222 | 0/15,000 psi/kPa | PCRG2322 |
|                                                                                                                                                                                                                                                                                                                      | 30/0/15 psi only  | PCRG2114 | 30/0/15 psi/Bar  | PCRG2214 | 30/0/15 psi/kPa  | PCRG2314 |
|                                                                                                                                                                                                                                                                                                                      | 30/0/30 psi only  | PCRG2115 | 30/0/30 psi/Bar  | PCRG2215 | 30/0/30 psi/kPa  | PCRG2315 |
|                                                                                                                                                                                                                                                                                                                      | 30/0/60 psi only  | PCRG2116 | 30/0/60 psi/Bar  | PCRG2216 | 30/0/60 psi/kPa  | PCRG2316 |
|                                                                                                                                                                                                                                                                                                                      | 30/0/100 psi only | PCRG2117 | 30/0/100 psi/Bar | PCRG2217 | 30/0/100 psi/kPa | PCRG2317 |
|                                                                                                                                                                                                                                                                                                                      | 30/0/160 psi only | PCRG2118 | 30/0/160 psi/Bar | PCRG2218 | 30/0/160 psi/kPa | PCRG2318 |
|                                                                                                                                                                                                                                                                                                                      | 30/0/200 psi only | PCRG2119 | 30/0/200 psi/Bar | PCRG2219 | 30/0/200 psi/kPa | PCRG2319 |
|                                                                                                                                                                                                                                                                                                                      | 30/0/300 psi only | PCRG2120 | 30/0/300 psi/Bar | PCRG2220 | 30/0/300 psi/kPa | PCRG2320 |

| 2.5" Dial Pressure Gauge<br>Lead-free brass internals<br>glycerine filled<br>1/4" NPT center back connection<br><br>P = Pressure Gauge<br>CR = Crimped Ring<br>GL = Glycerine Filled Lead- Free<br>Brass internals<br>A = 2.5" Dial<br>2 = 1/4" NPT<br>500 Codes = psi only back connection<br>600 Codes = psi/Bar back connection<br>700 Codes = psi/kPa back connection | PSI Ranges        | Code     | PSI/Bar Ranges   | Code     | PSI/kPa Ranges   | Code     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------------------|----------|------------------|----------|
|                                                                                                                                                                                                                                                                                                                                                                           | Vacuum only       | PCRG2500 | Vacuum/Bar       | PCRG2600 | Vacuum/kPa       | PCRG2700 |
|                                                                                                                                                                                                                                                                                                                                                                           | 15 psi only       | PCRG2501 | 15 psi/Bar       | PCRG2601 | 0-15 psi/kPa     | PCRG2701 |
|                                                                                                                                                                                                                                                                                                                                                                           | 30 psi only       | PCRG2502 | 30 psi/Bar       | PCRG2602 | 0-30 psi/kPa     | PCRG2702 |
|                                                                                                                                                                                                                                                                                                                                                                           | 60 psi only       | PCRG2503 | 60 psi/Bar       | PCRG2603 | 0-60 psi/kPa     | PCRG2703 |
|                                                                                                                                                                                                                                                                                                                                                                           | 100 psi only      | PCRG2504 | 100 psi/Bar      | PCRG2604 | 0-100 psi/kPa    | PCRG2704 |
|                                                                                                                                                                                                                                                                                                                                                                           | 160 psi only      | PCRG2505 | 160 psi/Bar      | PCRG2605 | 0-160 psi/kPa    | PCRG2705 |
|                                                                                                                                                                                                                                                                                                                                                                           | 200 psi only      | PCRG2506 | 200 psi/Bar      | PCRG2606 | 0-200 psi/kPa    | PCRG2706 |
|                                                                                                                                                                                                                                                                                                                                                                           | 300 psi only      | PCRG2507 | 300 psi/Bar      | PCRG2607 | 0-300 psi/kPa    | PCRG2707 |
|                                                                                                                                                                                                                                                                                                                                                                           | 600 psi only      | PCRG2508 | 600 psi/Bar      | PCRG2608 | 0-600 psi/kPa    | PCRG2708 |
|                                                                                                                                                                                                                                                                                                                                                                           | 1000 psi only     | PCRG2509 | 1000 psi/Bar     | PCRG2609 | 0-1000 psi/kPa   | PCRG2709 |
|                                                                                                                                                                                                                                                                                                                                                                           | 1500 psi only     | PCRG2510 | 1500 psi/Bar     | PCRG2610 | 0-1500 psi/kPa   | PCRG2710 |
|                                                                                                                                                                                                                                                                                                                                                                           | 2000 psi only     | PCRG2511 | 2000 psi/Bar     | PCRG2611 | 0-2000 psi/kPa   | PCRG2711 |
|                                                                                                                                                                                                                                                                                                                                                                           | 3000 psi only     | PCRG2512 | 3000 psi/Bar     | PCRG2612 | 0-3000 psi/kPa   | PCRG2712 |
|                                                                                                                                                                                                                                                                                                                                                                           | 5000 psi only     | PCRG2513 | 5000 psi/Bar     | PCRG2613 | 0-5000 psi/kPa   | PCRG2713 |
|                                                                                                                                                                                                                                                                                                                                                                           | 0/10,000 psi only | PCRG2521 | 0/10,000 psi/Bar | PCRG2621 | 0/10,000 psi/kPa | PCRG2721 |
|                                                                                                                                                                                                                                                                                                                                                                           | 0/15,000 psi only | PCRG2522 | 0/15,000 psi/Bar | PCRG2622 | 0/15,000 psi/kPa | PCRG2722 |
|                                                                                                                                                                                                                                                                                                                                                                           | 30/0/15 psi only  | PCRG2514 | 30/0/15 psi/Bar  | PCRG2614 | 30/0/15 psi/kPa  | PCRG2714 |
|                                                                                                                                                                                                                                                                                                                                                                           | 30/0/30 psi only  | PCRG2515 | 30/0/30 psi/Bar  | PCRG2615 | 30/0/30 psi/kPa  | PCRG2715 |
|                                                                                                                                                                                                                                                                                                                                                                           | 30/0/60 psi only  | PCRG2516 | 30/0/60 psi/Bar  | PCRG2616 | 30/0/60 psi/kPa  | PCRG2716 |
|                                                                                                                                                                                                                                                                                                                                                                           | 30/0/100 psi only | PCRG2517 | 30/0/100 psi/Bar | PCRG2617 | 30/0/100 psi/kPa | PCRG2717 |
|                                                                                                                                                                                                                                                                                                                                                                           | 30/0/160 psi only | PCRG2518 | 30/0/160 psi/Bar | PCRG2618 | 30/0/160 psi/kPa | PCRG2718 |
|                                                                                                                                                                                                                                                                                                                                                                           | 30/0/200 psi only | PCRG2519 | 30/0/200 psi/Bar | PCRG2619 | 30/0/200 psi/kPa | PCRG2719 |
|                                                                                                                                                                                                                                                                                                                                                                           | 30/0/300 psi only | PCRG2520 | 30/0/300 psi/Bar | PCRG2620 | 30/0/300 psi/kPa | PCRG2720 |

# PCR LEAD FREE BRASS LIQUID FILLED SERIES

| 4" Dial Pressure Gauge<br>Lead-Free brass internals,<br>glycerin filled, 1/4" NPT<br>bottom connection.                                                                                                                                                                                                                                         | PSI Ranges        | Code      | PSI/Bar Ranges   | Code      | PSI/kPa Ranges   | Code      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|------------------|-----------|------------------|-----------|
|                                                                                                                                                                                                                                                                                                                                                 | Vacuum            | PCRGB2100 | Vacuum/Bar       | PCRGB2200 | Vacuum/kPa       | PCRGB2300 |
| <b>P = Pressure Gauge</b><br><b>CR = Crimped Ring</b><br><b>G = Glycerine Filled Lead- Free Brass</b><br><b>internals</b><br><b>B = 4" Dial</b><br><b>2 = 1/4" NPT 3 = 1/2" NPT</b><br><b>100 Codes = psi only</b><br><b>200 Codes = psi/Bar</b><br><b>300 Codes = psi/kPa</b><br><br><b>Note: =&gt;1000 psi, 1/2" NPT</b><br><b>connection</b> | 15 psi            | PCRGB2101 | 15 psi/Bar       | PCRGB2201 | 0-15 psi/kPa     | PCRGB2301 |
|                                                                                                                                                                                                                                                                                                                                                 | 30 psi            | PCRGB2102 | 30 psi/Bar       | PCRGB2202 | 0-30 psi/kPa     | PCRGB2302 |
|                                                                                                                                                                                                                                                                                                                                                 | 60 psi            | PCRGB2103 | 60 psi/Bar       | PCRGB2203 | 0-60 psi/kPa     | PCRGB2303 |
|                                                                                                                                                                                                                                                                                                                                                 | 100 psi           | PCRGB2104 | 100 psi/Bar      | PCRGB2204 | 0-100 psi/kPa    | PCRGB2304 |
|                                                                                                                                                                                                                                                                                                                                                 | 160 psi           | PCRGB2105 | 160 psi/Bar      | PCRGB2205 | 0-160 psi/kPa    | PCRGB2305 |
|                                                                                                                                                                                                                                                                                                                                                 | 200 psi           | PCRGB2106 | 200 psi/Bar      | PCRGB2206 | 0-200 psi/kPa    | PCRGB2306 |
|                                                                                                                                                                                                                                                                                                                                                 | 300 psi           | PCRGB2107 | 300 psi/Bar      | PCRGB2207 | 0-300 psi/kPa    | PCRGB2307 |
|                                                                                                                                                                                                                                                                                                                                                 | 600 psi           | PCRGB2108 | 600 psi/Bar      | PCRGB2208 | 0-600 psi/kPa    | PCRGB2308 |
|                                                                                                                                                                                                                                                                                                                                                 | 1000 psi          | PCRGB3109 | 1000 psi/Bar     | PCRGB3209 | 0-1000 psi/kPa   | PCRGB3309 |
|                                                                                                                                                                                                                                                                                                                                                 | 1500 psi          | PCRGB3110 | 1500 psi/Bar     | PCRGB3210 | 0-1500 psi/kPa   | PCRGB3310 |
|                                                                                                                                                                                                                                                                                                                                                 | 2000 psi          | PCRGB3111 | 2000 psi/Bar     | PCRGB3211 | 0-2000 psi/kPa   | PCRGB3311 |
|                                                                                                                                                                                                                                                                                                                                                 | 3000 psi          | PCRGB3112 | 3000 psi/Bar     | PCRGB3212 | 0-3000 psi/Kpa   | PCRGB3312 |
|                                                                                                                                                                                                                                                                                                                                                 | 5000 psi          | PCRGB3113 | 5000 psi/Bar     | PCRGB3213 | 0-5000 psi/kPa   | PCRGB3313 |
|                                                                                                                                                                                                                                                                                                                                                 | 0/10,000 psi only | PCRGB3121 | 0/10,000 psi/bar | PCRGB3221 | 0/10,000 psi/kPa | PCRGB3321 |
|                                                                                                                                                                                                                                                                                                                                                 | 0/15,000 psi only | PCRGB3122 | 0/15,000 psi/bar | PCRGB3222 | 0/15,000 psi/kPa | PCRGB3322 |
|                                                                                                                                                                                                                                                                                                                                                 | 30/0/15 psi only  | PCRGB2114 | 30/0/15 psi/Bar  | PCRGB2214 | 30/0/15 psi/kPa  | PCRGB2314 |
|                                                                                                                                                                                                                                                                                                                                                 | 30/0/30 psi only  | PCRGB2115 | 30/0/30 psi/Bar  | PCRGB2215 | 30/0/30 psi/kPa  | PCRGB2315 |
|                                                                                                                                                                                                                                                                                                                                                 | 30/0/60 psi only  | PCRGB2116 | 30/0/60 psi/Bar  | PCRGB2216 | 30/0/60 psi/kPa  | PCRGB2316 |
|                                                                                                                                                                                                                                                                                                                                                 | 30/0/100 psi only | PCRGB2117 | 30/0/100 psi/Bar | PCRGB2217 | 30/0/100 psi/kPa | PCRGB2317 |
|                                                                                                                                                                                                                                                                                                                                                 | 30/0/160 psi only | PCRGB2118 | 30/0/160 psi/Bar | PCRGB2218 | 30/0/160 psi/kPa | PCRGB2318 |
|                                                                                                                                                                                                                                                                                                                                                 | 30/0/200 psi only | PCRGB2119 | 30/0/200 psi/Bar | PCRGB2219 | 30/0/200 psi/kPa | PCRGB2319 |
|                                                                                                                                                                                                                                                                                                                                                 | 30/0/300 psi only | PCRGB2120 | 30/0/300 psi/Bar | PCRGB2220 | 30/0/300 psi/kPa | PCRGB2320 |

| 4" Dial Pressure Gauge<br>Lead-Free brass internals,<br>glycerin filled, 1/4" NPT<br>Center Back connection.                                                                                                                                                                                                                                                                                                        | PSI Ranges        | Code      | PSI/Bar Ranges   | Code      | PSI/kPa Ranges   | Code      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|------------------|-----------|------------------|-----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                     | Vacuum            | PCRGB2500 | Vacuum/Bar       | PCRGB2600 | Vacuum/kPa       | PCRGB2700 |
| <b>P = Pressure Gauge</b><br><b>CR = Crimped Ring</b><br><b>G = Glycerine Filled Lead- Free Brass</b><br><b>internals</b><br><b>B = 4" Dial</b><br><b>2 = 1/4" NPT</b><br><b>3 = 1/2" NPT</b><br><b>500 Codes = psi only back</b><br><b>connection</b><br><b>600 Codes = psi/Bar back connection</b><br><b>700 Codes = psi/kPa back connection</b><br><br><b>Note: =&gt;1000 psi, 1/2" NPT</b><br><b>connection</b> | 15 psi            | PCRGB2501 | 15 psi/Bar       | PCRGB2601 | 0-15 psi/kPa     | PCRGB2701 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 30 psi            | PCRGB2502 | 30 psi/Bar       | PCRGB2602 | 0-30 psi/kPa     | PCRGB2702 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 60 psi            | PCRGB2503 | 60 psi/Bar       | PCRGB2603 | 0-60 psi/kPa     | PCRGB2703 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 100 psi           | PCRGB2504 | 100 psi/Bar      | PCRGB2604 | 0-100 psi/kPa    | PCRGB2704 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 160 psi           | PCRGB2505 | 160 psi/Bar      | PCRGB2605 | 0-160 psi/kPa    | PCRGB2705 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 200 psi           | PCRGB2506 | 200 psi/Bar      | PCRGB2606 | 0-200 psi/kPa    | PCRGB2706 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 300 psi           | PCRGB2507 | 300 psi/Bar      | PCRGB2607 | 0-300 psi/kPa    | PCRGB2707 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 600 psi           | PCRGB2508 | 600 psi/Bar      | PCRGB2608 | 0-600 psi/kPa    | PCRGB2708 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 1000 psi          | PCRGB3509 | 1000 psi/Bar     | PCRGB3609 | 0-1000 psi/kPa   | PCRGB3709 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 1500 psi          | PCRGB3510 | 1500 psi/Bar     | PCRGB3610 | 0-1500 psi/kPa   | PCRGB3710 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 2000 psi          | PCRGB3511 | 2000 psi/Bar     | PCRGB3611 | 0-2000 psi/kPa   | PCRGB3711 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 3000 psi          | PCRGB3512 | 3000 psi/Bar     | PCRGB3612 | 0-3000 psi/Kpa   | PCRGB3712 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 5000 psi          | PCRGB3513 | 5000 psi/Bar     | PCRGB3613 | 0-5000 psi/kPa   | PCRGB3713 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 0/10,000 psi only | PCRGB3521 | 0/10,000 psi/bar | PCRGB3621 | 0/10,000 psi/kPa | PCRGB3721 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 0/15,000 psi only | PCRGB3522 | 0/15,000 psi/bar | PCRGB3622 | 0/15,000 psi/kPa | PCRGB3722 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 30/0/15 psi only  | PCRGB2514 | 30/0/15 psi/Bar  | PCRGB2614 | 30/0/15 psi/kPa  | PCRGB2714 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 30/0/30 psi only  | PCRGB2515 | 30/0/30 psi/Bar  | PCRGB2615 | 30/0/30 psi/kPa  | PCRGB2715 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 30/0/60 psi only  | PCRGB2516 | 30/0/60 psi/Bar  | PCRGB2616 | 30/0/60 psi/kPa  | PCRGB2716 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 30/0/100 psi only | PCRGB2517 | 30/0/100 psi/Bar | PCRGB2617 | 30/0/100 psi/kPa | PCRGB2717 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 30/0/160 psi only | PCRGB2518 | 30/0/160 psi/Bar | PCRGB2618 | 30/0/160 psi/kPa | PCRGB2718 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 30/0/200 psi only | PCRGB2519 | 30/0/200 psi/Bar | PCRGB2619 | 30/0/200 psi/kPa | PCRGB2719 |
|                                                                                                                                                                                                                                                                                                                                                                                                                     | 30/0/300 psi only | PCRGB2520 | 30/0/300 psi/Bar | PCRGB2620 | 30/0/300 psi/kPa | PCRGB2720 |