

# G2 SERIES HIGH-TEMP BREW METER



The FLOMEC® G2 Brew Meter features a high-temperature riser and Tri-clamp fittings. It is suitable for use with strike water, hot water flow, and brewing liquids.

## FEATURES / BENEFITS

Features highly visible Q9, battery-powered, LCD display; 2-year battery life

- High accuracy meter
- Modular design allows for use with output modules, sensors, and remote display kits; plug and play
- Internal parts are simple to replace for easy maintenance
- 11 pre-programmed engineering units plus 1 custom option: gallon, litre, imperial gallon, quart, ounce, acre-foot, millilitre, cubic foot, cubic centimetre, cubic metre, barrel
- Tri-clamp, high temperature, sanitary fittings:
  - ¾ inch fitting for ½ inch meter
  - 1 inch fitting for ¾ inch meter
  - 1½ inch fitting for 1 inch meter
  - 2 inch fitting for 1½ inch meter
  - 2½ inch fitting for 2 inch meter
- For applications requiring 3A Food & Beverage certifications, see the FLOMEC 3A turbine meter (GSCPS model).

## SPECIFICATIONS

|                              |                                                                                    |                                                                                    |     |         |                  |  |
|------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----|---------|------------------|--|
| Fitting Type:                | Tri-Clamp (Stainless Steel only) - Fitting size is one size bigger than meter size |                                                                                    |     |         |                  |  |
| Type:                        | Turbine                                                                            |                                                                                    |     |         |                  |  |
| Tri-Clamp Fitting:           | 3/4"                                                                               | 1"                                                                                 | 1½" | 2"      | 2½"              |  |
| Corresponding Pipe Size:     | 1/2"                                                                               | 3/4"                                                                               | 1"  | 1½"     | 2"               |  |
| Housing Material:            | 316 Stainless Steel                                                                |                                                                                    |     |         |                  |  |
| Flow Range:                  | 1/2" (05)                                                                          | 1 - 10 GPM                                                                         |     |         | (3.8 - 38 L/min) |  |
|                              | 3/4" (07)                                                                          | 2 - 20 GPM                                                                         |     |         | (7.6 - 76 L/min) |  |
|                              | 1" (10)                                                                            | 5 - 50 GPM                                                                         |     |         | (19 - 190 L/min) |  |
|                              | 1½" (15)                                                                           | 10 - 100 GPM                                                                       |     |         | (38 - 380 L/min) |  |
|                              | 2" (20)                                                                            | 20 - 200 GPM                                                                       |     |         | (76 - 760 L/min) |  |
| Accuracy (% of Reading):     | 1/2" (05)                                                                          |                                                                                    |     | ± 1.5%  |                  |  |
|                              | 3/4" (07)                                                                          |                                                                                    |     | ± 1.0%  |                  |  |
|                              | 1" (10)                                                                            |                                                                                    |     | ± 1.0%  |                  |  |
|                              | 1½" (15)                                                                           |                                                                                    |     | ± 0.75% |                  |  |
|                              | 2" (20)                                                                            |                                                                                    |     | ± 0.75% |                  |  |
| Repeatability:               | ± 0.1%                                                                             |                                                                                    |     |         |                  |  |
| Pressure Rating:             |                                                                                    |                                                                                    |     |         |                  |  |
| Sanitary Flange 316 SS       | Limited by fitting, clamp size, & temperature                                      |                                                                                    |     |         |                  |  |
| Operating Temperature Range: | 0°F to 210°F (-18°C to 99°C)*                                                      |                                                                                    |     |         |                  |  |
| Typical K-Factor:            | 1/2" (05)                                                                          | 2,500 PPG (660 Pulses/L)                                                           |     |         |                  |  |
|                              | 3/4" (07)                                                                          | 1,100 PPG (291 Pulses/L)                                                           |     |         |                  |  |
|                              | 1" (10)                                                                            | 565 PPG (149 Pulses/L)                                                             |     |         |                  |  |
|                              | 1½" (15)                                                                           | 215 PPG (57 Pulses/L)                                                              |     |         |                  |  |
|                              | 2" (20)                                                                            | 100 PPG (26 Pulses/L)                                                              |     |         |                  |  |
| Wetted Materials:            | Housing:                                                                           | 316 Stainless Steel or Aluminum                                                    |     |         |                  |  |
|                              | Bearings:                                                                          | 96% Alumina Oxide Ceramic                                                          |     |         |                  |  |
|                              | Shaft:                                                                             | Tungsten Carbide                                                                   |     |         |                  |  |
|                              | Rotor:                                                                             | PVDF                                                                               |     |         |                  |  |
|                              | Rings:                                                                             | 316 Stainless Steel                                                                |     |         |                  |  |
| Frequency Range:             | 1/2" (05)                                                                          | 42-420 Hz @ 1-10 GPM (3.8-38 L/min) / 45-450 Hz @ 1.2-12 GPM (4.5-45 L/min) (PVDF) |     |         |                  |  |
|                              | 3/4" (07)                                                                          | 37-370 Hz @ 2-20 GPM (7.6-76 L/min)                                                |     |         |                  |  |
|                              | 1" (10)                                                                            | 47-470 Hz @ 5-50 GPM (19-190 L/min) / 45-475 Hz @ 5-50 GPM (19-190 L/min) (PVDF)   |     |         |                  |  |
|                              | 1½" (15)                                                                           | 36-360 Hz @ 10-100 GPM (38-380 L/min)                                              |     |         |                  |  |
|                              | 2" (20)                                                                            | 33-330 Hz @ 20-200 GPM (76-760 L/min)                                              |     |         |                  |  |
| Calibration Report:          | Comes standard with G2 Series meters.                                              |                                                                                    |     |         |                  |  |
|                              | N.I.S.T. – Certification available.                                                |                                                                                    |     |         |                  |  |

\*See Ambient and Fluid Temperature Limits graph on the operating temperature range. Shown on next page.

GREAT PLAINS INDUSTRIES



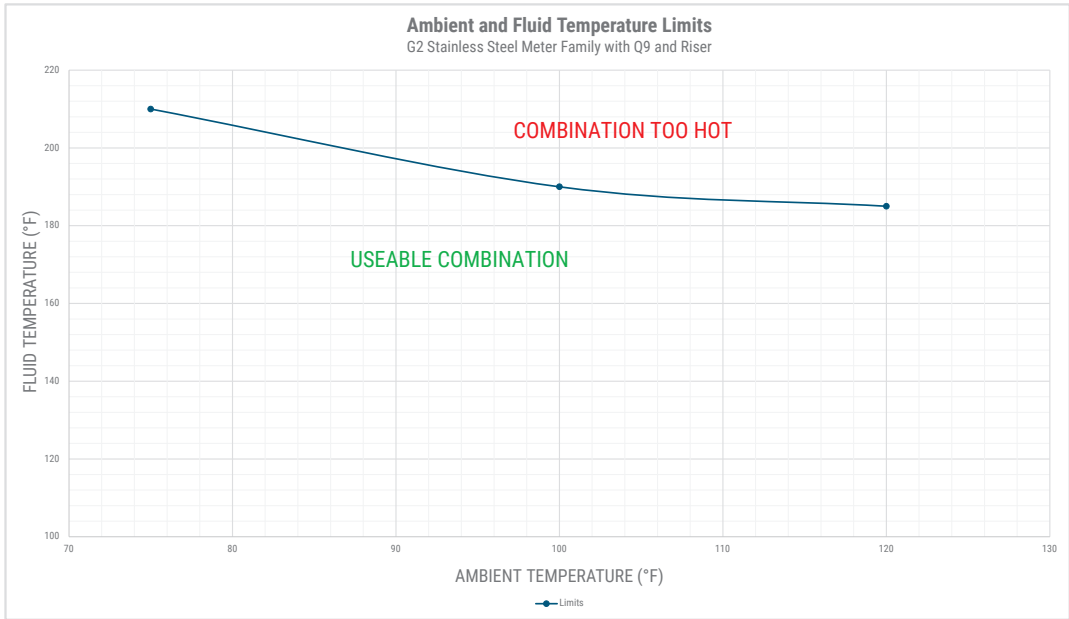
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# G2 SERIES

## HIGH-TEMP BREW METER



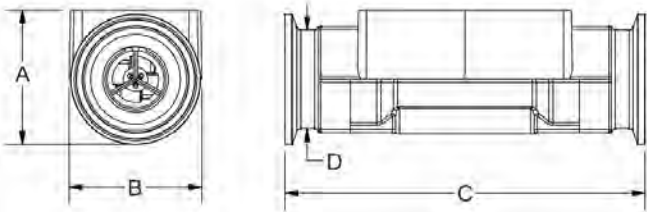
### DIMENSIONS

|                    | 1/2 in.<br>(05)       | 3/4 in.<br>(07)       | 1 in.<br>(10)         | 1½ in.<br>(15)        | 2 in.<br>(20)         |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| A = Height         | 1.4 in.<br>(3.6 cm)   | 2.0 in.<br>(5.1 cm)   | 2.0 in.<br>(5.1 cm)   | 2.6 in.<br>(6.6 cm)   | 3.1 in.<br>(7.9 cm)   |
| B = Width          | 2.0 in.<br>(5.1 cm)   | 2.0 in.<br>(5.1 cm)   | 2.0 in.<br>(5.1 cm)   | 2.7 in.<br>(6.9 cm)   | 3.4 in.<br>(8.6 cm)   |
| C = Length         | 5.0 in.<br>(12.71 cm) | 5.0 in.<br>(12.71 cm) | 5.5 in.<br>(13.97 cm) | 6.5 in.<br>(16.51 cm) | 7.0 in.<br>(17.78 cm) |
| D = Outside Dia.   | .75 in.<br>(1.9 cm)   | 1.0 in.<br>(2.54 cm)  | 1.5 in.<br>(3.81 cm)  | 2.0 in.<br>(5.08 cm)  | 2.5 in.<br>(6.35 cm)  |
| Fitting/Clamp Size | 3/4 in.               | 1 in.                 | 1½ in.                | 2 in.                 | 2½ in.                |

Computer electronics add 0.7 in. (1.8 cm) to height of turbine.

NOTE: For representation purpose only. Actual product models vary in shape, design, etc

Sanitary Flange dimensions not shown. For those dimensions, please refer to product manuals or our website [GreatPlainsIndustries.com](http://GreatPlainsIndustries.com).



### APPROVALS

CE NEMA 4 IP65