

3A FOOD GRADE FLOW METER



HIGH-PRECISION TURBINE FLOW METER

The cost-effective solution for processes requiring strict 3A Sanitary Standards for food and beverage.

MEETS CLEAN IN PLACE (CIP), STEAM IN PLACE (SIP), AND CLEAN OUT OF PLACE (COP) REQUIREMENTS

FLOMEC's G3A Series Flow Meter provides a reliable solution for accurate measurement of beverage transfer processes. It is widely used in Automated and Manual Container Filling Stations where it accurately dispenses liquids into bulk or consumer packaging.

Minimum Batch Size Per G3A Flow Meter Size:

1" Meter	1½" Meter	2" Meter
¼ Gallon / 32 oz.	¾ Gallon / 96 oz.	1¼ Gallon / 160 oz.



FEATURES & BENEFITS

- Proven turbine design that provides the best total operating cost
- Meets Clean in Place (CIP), Steam in Place (SIP), and Clean Out of Place (COP) requirements to allow for sanitary procedures that work best for plant managers
- $\pm 0.5\%$ accuracy of reading and $\pm 0.1\%$ repeatability providing reliable, accurate flow measurement
- Multiple blind pulse out options available for connection to a variety of PLC, display equipment, and process control equipment
- Factory installed local Rate and Totalizer Display available with digital, analog and flow alarm outputs
- Wide temperature range to accommodate various stages of food and beverage processes (see data sheet for temperature ranges)
- Turbine capable of 285°F (140°C) temperature up to 1 hour for SIP sanitary procedures

CIP

SIP

COP



Sanitary Rating.
Number 28-06

This flow meter meets the strict 3A Sanitary Standards using the new "Third Party Verification" (TPV) program. Our methods of design, construction and traceability of components have been reviewed and approved.



Wichita · Sydney

GREAT PLAINS INDUSTRIES



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MODELS

G3A Flow Meter, RT14 4-20mA, Scaled Pulse, Pulse out Rate and Totalizer Display

GSCPS-100-RT14	RT14 Display, Sanitary Turbine HT 1" (025 mm), 1½" Tri-Clamp (with 3A Certification) (Default to Gallons)
GSCPS-150-RT14	RT14 Display, Sanitary Turbine HT 1½" (040 mm) 1½" Tri-Clamp (with 3A Certification) (Default to Gallons)
GSCPS-200-RT14	RT14 Display, Sanitary Turbine HT 2" (050 mm), 2" Tri-Clamp (with 3A Certification) (Default to Gallons)

G3A Flow Meter, 2-Wire Magnetic Pickup with 10ft. of Cable (Sine Wave Pulse)

GSCPS-100-2	2-Wire Magnetic Pickup, Sanitary Turbine HT 1" (025 mm), 1½" Tri-Clamp (with 3A Certification)
GSCPS-150-2	2-Wire Magnetic Pickup, Sanitary Turbine HT 1½" (040 mm), 1½" Tri-Clamp (with 3A Certification)
GSCPS-200-2	2-Wire Magnetic Pickup, Sanitary Turbine HT 2" (050 mm), 2" Tri-Clamp (with 3A Certification)

G3A Flow Meter, 3-Wire Magnetic Pickup with 10ft. of Cable (Square Wave Pulse)

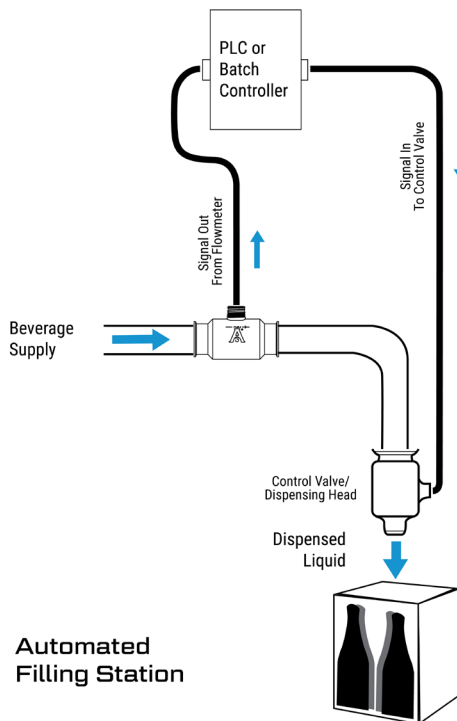
GSCPS-100-3	3-Wire Magnetic Pickup, Sanitary Turbine HT 1" (025 mm), 1½" Tri-Clamp (with 3A Certification)
GSCPS-150-3	3-Wire Magnetic Pickup, Sanitary Turbine HT 1½" (040 mm), 1½" Tri-Clamp (with 3A Certification)
GSCPS-200-3	3-Wire Magnetic Pickup, Sanitary Turbine HT 2" (050 mm), 2" Tri-Clamp (with 3A Certification)



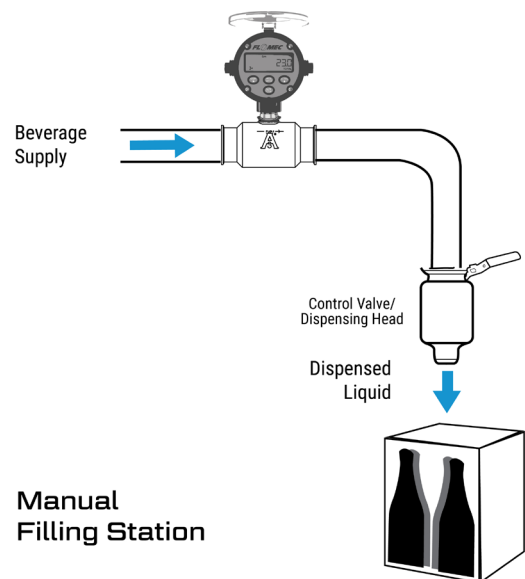
3A Turbine Flow Meter with RT14 Display

3A Turbine Flow Meter with 2-Wire or 3-Wire Magnetic Pickup Options

The internals of the G3A flow meter are machined and polished to meet 3A self-draining and cleaning requirements (Ra 32). Parts are easily replaceable making lifetime maintenance of the turbine flow meter a preferred choice.



Automated Filling Station



Manual Filling Station

When used in beverage-filling, automated systems consist of a G3A flow meter combined with a valve and batch controller or PLC. Manual systems incorporate a G3A flow meter with an RT14 display and a manual valve. The flow meter is frequently used with the following fluids: milk, water, beer, alcohols, filtered wine, de-ionized water, vinegar, light oils, and juice.