

3A FOOD GRADE FLOW METER



HIGH-PRECISION TURBINE METER

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

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

FLOMEC's GSCPS Series 3A Food & Beverage 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 GSCPS Meter Size:

1" Meter	1 ½" Meter	2" Meter
¼ Gallon / 32 oz.	¾ Gallon / 96 oz.	1 ¼ Gallon / 160 oz.



CIP

SIP

COP



Sanitary Rating.
Number 28-06

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



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
- +/- 0.5% accuracy of reading and +/- 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 of -100° F to 225° F (-74° C to 107° C) to accommodate various stages of food and beverage processes
- Capable of 285° F (140° C) temperature up to 1 hour for SIP sanitary procedures

Wichita · Sydney

GREAT PLAINS INDUSTRIES



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MODELS

3A Meter, RT14 4-20mA, Scaled Pulse, Pulse out Rate and Totalizer Display

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

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

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

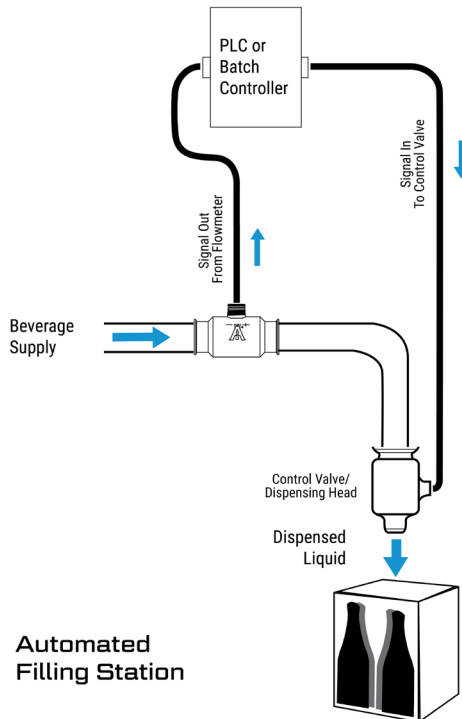
GSCPS-100-3	3-Wire Magnetic Pickup, Sanitary Turbine HT 1" (025 mm), 1-1/2" Tri-Clamp (with 3A Certification)
GSCPS-150-3	3-Wire Magnetic Pickup, Sanitary Turbine HT 1-1/2" (040 mm), 1-1/2" Tri-Clamp (with 3A Certification)
GSCPS-200-3	3-Wire Magnetic Pickup, Sanitary Turbine HT 2" (050 mm), 2" Tri-Clamp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



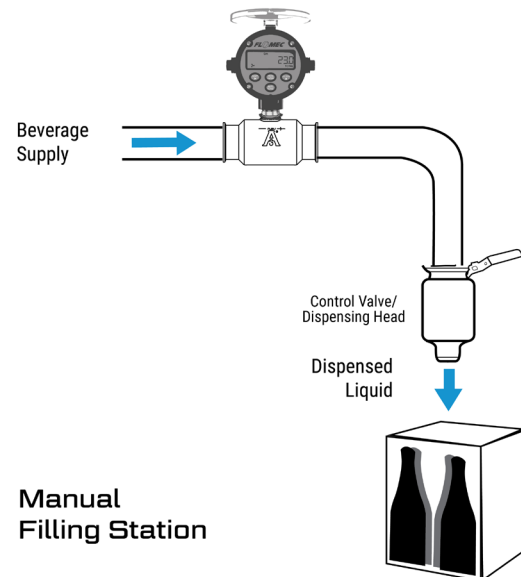
3A Turbine Meter
with 2-Wire or
3-Wire Magnetic
Pickup Options

3A Turbine Meter
with RT14 Display

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



Automated Filling Station



Manual Filling Station

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