Bennett 3000 SERIES

3700 Series with Volume-Only Electronic Display

Bennett 3000 SERIES SPECIFICATIONS
3700 SERIES VOLUME ONLY DISPENSERS & PUMPS SPEC SHEET

SPECIFICATIONS

Dimensions: Low hose: 30″w x 60″h x 20″d
High hose: 30″w x 88″h x 20″d

Products: Up to 2 products (per side)

Hoses: Up to 2 hoses (per side)

Unit Type: Straight grade only

Activation: Lift to start

Voltage: Operates from 115/230 VAC, 50/60Hz
or 380 VAC, 50Hz

Flow Rate[1]: 18-23GPM

Inlet / Outlet: 1.5″ dia NPT / 1″ dia NPT

Environmental: Operating temperature from -40ºF to 149ºF

Protocol: Bennett open protocol / RS485

Regulatory: UL™ Listed, Weights and Measures

STANDARD FEATURES

Display: LED Back-lit LCD display with 8-digit 1″ for sales and volume and 4-digit ½″ for price per volume

Control: Stand-alone (console/fleet management control available when pulser option is selected)

Calibration: Exclusive eCal™ (Electronic calibration) and mechanical calibration dial for SB100 Meter

Unit of Measure: US gallons, liters or imperial gallons

Models: Single; 1 product twin; 2 product twin; Quad; Active-4

Motor: Suction pump models feature1-HP continuous duty motor(s)

Satellite Outlet: Remote models feature a satellite outlet connection

CONSTRUCTION

Cabinet: Made of galvaneal components and powder coated panels to ensure the cabinet has a long life

Nozzle Boot: Nozzle boots available for front mount (all models) or side mount (low hose only)

Lower Door: Hinged swing out with dual door locks

Upper Door: Hinged swing down with dual door locks

Hose Hook: Standard heavy-duty hose hook with the option for an internal hose retractor

COMPUTER

Type: Simplified, single-board 719 electronics includes CPU, power supply, eCal, RS485 connection, push-button programming switches and wiring terminal strip

Battery Backup: Battery backup recalls last sale in the event of a power outage

Diagnostics: Electronics include built-in diagnostics with error codes

Transaction Display: 999.999 for gallons; 9999.99 for liters

Electronic Hose Totals: 99999999.999 for gallons (8.3)
999999999.99 for liters (9.3)

Electromechanical Totalizer: 9999999

VOLTAGES & WIRING

Field wiring goes directly to terminal strip on computer (Installers should pull 72″/272cm of wire above grade level)

Suction Pumps: 1-Horsepower continuous duty motor. 115/230volt, 50/60Hz, 1-Phase. Motor has selectable voltage switch. (Optional 380volt, 3-phase motor)

Remote Dispensers: Available for 115 or 230volt operation

HYDRAULICS

Precision Bennett SB100 Meter, 4-piston, positive displacement design. The SB100 is electronically calibrated (eCal) with optional mechanical calibration

Remote Models: Include built-in inlet check valves to keep the hydraulics full and prevent meter/pulser count-up as the submersible pump pressurizes the system.

Remote models also use a replaceable paper filter cartridge

Suction Models: Include 1½″ ground joint union and riser pipe (not supplied with remote models)

Suction Models use a reusable strainer

Pumping Unit: Type 75 or Type 75-HD Bennett sliding vane pumping unit with integral vortex air eliminator

OPTIONS

E-85 Alcohol blend compatibility, electromechanical totalizers, 2-Stage electric solenoid valve for 1-product/1-hose or 2-product/2-hose suction pumps (valve is standard on other models), sub pump relay 3-Phase contactor, custom graphics, explosion proof junction box for lower hydraulic area, 380 volt 3-Phase motors, programmable dual-channel/dual-hose pulse output board

High Hose Models: Intercom speaker, valance vapor coax hose outlet and internal vapor return piping, valance

Hardware: Internal hose retractor (low hose models), Vapor recovery nozzle boot kit (field installed) for balance vapor nozzles, Hose clamp for 5/8″, 3/4″, or 1″ I.D. hose

Strainers: Strainer (in lieu of filter for remotes), strainer with cloth sacks (available for remote or suction)

Internal spin-on filter and adapter for remote models

Stainless Steel: Optional stainless steel packages for doors, end panels, top cover, hinged upper doors and grade panel area

Satellites: Companion satellites (GoPump style in low or high hose cabinets or economy LPS satellite). Satellite pipe kit installed with remote master. Satellite in-use light for remote master

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Bennett dispensers may dispense "Av-Gas" but cannot dispense Jet Fuel to fuel jet air craft.

Specifications in this document are subject to change without notice.

[1] Flow rates are nominal rates under test conditions. Actual rates will vary subject to installation conditions, hanging hardware used, and submerged pump used if applicable.