

# 3000 Series Cut Sheets

## Heritage by Bennett Mechanical Retail Pumps and Dispensers

When we set out to design the new 3k series chassis, we asked if good looks were as important for mechanical dispensers as they are to a C-store's electronic dispensers. We were forced to answer yes. No matter how functional a product may be, good looks are always important. Whether you are building a marina, or small convenience store fuel system, you want attractive elements whether it's the canopy, the building, the concrete finish, or the pumps. It's important to convey your company image to your fueling customer. That's why you'll find esthetic details such as rounded radius corner end panels, hidden fasteners, cascade lighted dial faces, and attractive color schemes. We'll even silk screen your company logo or selected graphics on the panels to further enhance your company image.

Why are C-store electronic dispensers a high hose style design? 1. Hose handling is easier when you're not pulling against a hose retractor device that is commonly used on low hose dispensers. 2. The high hose design keeps the hose off the pavement and increases hose life. 3. Vapor recovery is so much easier and less expensive. For these reasons, we decided to offer the Heritage in the same high hose style design that you'll find at your local C-store - an Industry first.

We've been building mechanical pumps since 1918 and our Heritage retail pumps are known world wide as reliable workhorses able to withstand the harshest environments. Whether it's in the hot sands of Saudi Arabia, a marina on the Florida coast, or the humid jungle climates in South America, the Heritage runs and runs...day in and day out, year after year.

No tools are required to open the upper and lower doors. The doors swing open on hinges so they don't get scratched if you need to get inside the cabinet.

For performance, it's what's inside that counts. Our suction pumps use the renowned Bennett Type 75 series pumping units. Want a testimonial that this is the world's best pumping unit? We supply pumping units and meters to over 20 other pump companies around the world. We are the world's largest OEM supplier of hydraulic components to other pump companies.

We designed our own electric solenoid valve to meet the stringent performance requirements of our customers, and in the last few years we specified our own unique performance and quality standards for a heavy duty One Horsepower electric motor.

Good looks count inside too. For us, good looks inside means simple, streamlined designs that make the product easy to manufacture and provide ample space to make service and maintenance quick and easy to accomplish. Our pumping unit and our meter are bottom inlet, top outlet designs so the two bolt together at a common flange to eliminate excess product tubes and connections. Less tubes and connections translates to less chance for leaks and helps to keep flow rates at peak performance levels.

If you're considering purchasing a retail pump or dispenser, take a peek behind the panels and look for simple, streamlined designs. We don't think you'll find a pump anywhere that compares to the simplicity of the **Bennett Heritage**.

Traditional low hose or modern high hose styling ~ E85 Compatibility Option ~ Singles/Twins ~ Suction Pumps or Remote Dispensers ~ Intercom speaker option in high hose models ~ Balance vapor ready high hose options ~ For a complete list of standard features and options, see page 2 of this product cut sheet.

Check out BESTool on our web site: [www.bennettpump.com](http://www.bennettpump.com) to make it simple and fast to write a specification document. And, of course, we're always available to help. Call our Bid and Spec Desk: USA (800) 235-7618, Ext. 3 ~ Outside the USA (231) 798-1310, Ext. 261.



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3500  
3600

Product Cut Sheet

# Mechanical Retail Dispensers and Pumps Spec Sheet

## Heritage 3000 Money/Volume Mechanical Display

### Standard Features

- Mechanical analog display.
- Stand-alone or console-controlled\* (\*requires field installed pulser(s)).
- Unit of measure for US gallons, liters, or imperial gallons.
- Operates from 115/230Vac, 60/50Hz, or 380 Vac, 50Hz.
- Suction pump models feature 1-HP continuous duty motor(s).
- Cascade fluorescent dial face lighting with electronic ballast.
- Satellite Outlet Connection for remotes.
- Singles; 1-Product Twins; 2-Product Twins.

### Construction

- Low Hose Cabinet Design.
- High Hose Cabinet Design.
- Long-life cabinet using galvanneal components and powder coated panels.
- Black end panels and top.
- White dial face covers.
- Red lower doors (optional colors available).
- Hinged swing out lower door.
- Hinged swing down upper door.
- Heavy duty hose hook (optional internal hose retractor available for low hose models).

### Mechanical VR10 Computer

- Veeder-Root VR10 4-wheel computer with totalizer.
- U.S. Gallons, Liters, or Imperial Gallons for volume measurement.
- Various currency measurements for Heritage series depending upon country application.
- Veeder-Root Electric Reset, 115 or 230volt (optional Cam-Ac manual reset)

### Voltages and Wiring

- 1-Horsepower, Explosion Proof Motor for Suction Pumps. 115/230volt, 50/60Hz, 1-Phase. Motor has a selectable voltage switch. (Optional 380volt, 3-Phase Motor).
- Remote dispensers available for 115 or 230volt operation (solenoid valves, electric reset, fluorescent light ballast).
- Field wiring terminal strip in junction box located in top display area (installers should pull 72" (272 cm) of wire above grade level). Explosion proof j-box in lower hydraulic area is optional.

### Hydraulics

- Precision Bennett SB100 Meter, 4-piston, positive displacement design.
- Type 75 or type 75-HD Bennett sliding vane pumping unit with integral vortex air eliminator.

### Hydraulics (continued)

- All Remote Models and 1-Product, 2-Hose Suction Pumps have 2-stage electric solenoid valve (115v or 230v). Valve is optional for other models.
- All remote units include built-in inlet check valves to keep the hydraulics full and prevent meter/pulsar count-up when the submersible pump pressurizes the system.
- Remote units use replaceable paper filter cartridge.
- Suction pumps use a reusable strainer.
- Low hose units have 1" hose outlets.
- High hose units have 3/4" hose outlets.
- Suction units include 1-1/2" ground joint union and riser pipe. Union & riser pipe not supplied for remote units.

### Options

- E85 alcohol blend compatibility option.
- Pulsers: not supplied by Bennett. Field Install OPW-FMS "Western" pulser(s).
- 2-Stage prepay/preset electric solenoid valve for 1-product, 1-hose or 2-product, 2-hose suction pumps. (valve is standard on all other models).
- Internal spin-on filter & adapter for remote models.
- For High Hose Models, Balance vapor coax hose outlet and internal vapor return piping.
- Vapor recovery nozzle boot kit (field installed) for Balance vapor nozzles.
- Sub pump relay 3-Phase Contactor.
- Intercom speaker for High Hose units.
- Valance style top for high hose models.
- Stainless steel lower doors and/or end panels.
- Stainless "All Panel" Option (lower doors, end panels, cover).
- "Super Stainless" option is "All Panel" option plus upper door and grade panel holder.
- Custom lower door colors and/or graphics.
- Hose clamp for 5/8", 3/4", or 1" I.D. hose.
- Explosion proof junction box for lower hydraulic area.
- 380 Volt 3-Phase Motors.
- Pressure-regulating valve for suction pumps with aboveground tank installation.
- Cam-Ac manual reset in lieu of electric reset.
- Internal Hose Retractor (Low hose models).
- Strainer in lieu of filter for remotes.
- Strainer w/ cloth sack for remotes.
- Strainer w/ cloth sack for suction units.
- Hoses, nozzles, swivels.
- Companion LPS satellites for remote models.



Example of a Heritage Low Hose Style Dual Hose Model

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

**For information on flow rates and model configurations see our Price Lists.**

UL™ listed.

Certified for resale applications. The N.T.E.P. Certificate of Conformance is available upon request.

Specifications in this document are subject to change without notice.



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