

To the Point

TO: Bennett Commercial Pump Co. Distributors
FROM: Gary Hanks
BULLETIN NO.: 14
DATE: February 4, 2002
SUBJECT: VR10 Extended Price Computer Options with new style chassis (spec 2001) 4000 Heritage series dispensers

The standard Veeder-Root mechanical computer used in the Heritage 4000 series dispenser is the VR10/4. The VR10/4 has 4-rotors and will display a maximum sale of \$99.99 with a maximum price per volume of \$3.999. The right hand money wheel is \$0.00 through \$0.09.

Certain applications require a computer that can exceed the \$99.99 maximum sale amount of the standard VR10/4. For these applications we offer an optional VR10 computer. The VR10 has 4-rotors and will display a maximum sale of \$999.99 with a maximum price per volume of \$5.999. The right hand money wheel is \$0.00 through \$0.99 and is numbered 00, 10, 20, 30, 40, 50, 60, 70, 80, 90 with indicator lines every 2-cents.

The following matrix describes the standard and available options for Veeder-Root mechanical computers for the Heritage 4000 series.

<u>Computer</u>	<u>Pulser</u>	<u>Prepay Valves</u>	<u>Option Order Code</u>	<u>List Add Per Hose (Bennett Commercial)</u>
VR10/4, 105329	None	No	Std Models 40xx?-????S?N	\$0.00
VR10/4, 105329	10:1 VR, 105279	No	W/ 10:1 Pulser 40xx?-????S?T	\$184
VR10/4, 105329	100:1 VR, 105280	No	W/ 100:1 Pulser 40xx?-????S?H	\$284
VR10/4, 105329	10:1 VR, 105279	Yes	W/ 10:1 Pulser & Prepay 40xx?-????SPT	\$354-for #4013/4025 \$184-for Remotes & 4027
VR10/4, 105329	100:1 VR, 105280	Yes	W/ 100:1 Pulser & Prepay 40xx?-????SPH	\$454-for #4013/4025 \$284-for Remotes & 4027
VR10/4, 105329	None	Yes	W/ Prepay 40xx?-????SPN	\$170-for #4013/4025 \$0.00-for Remotes & 4027
VR10, 105330	None	No	W/ VR10 40xx?-????V?N	\$147
VR10, # TBD	N339601 Computer includes 100:1 VR Pulse/Tot	No	W/ VR10 & Pulse/Totalizer 40xx?-????V?V	\$378
VR10, # TBD	N339601 Computer includes 100:1 VR Pulse/Tot	Yes	W/ VR10 & Pulser Totalizer and w/ Prepay 40xx?-????VPV	\$548-for #4013/4025 \$378-for Remotes & 4027
VR10, 105330	None	Yes	W/ Prepay 40xx?-????VPN	\$317-for #4013/4025 \$147-for Remotes & 4027

To the Point

Some cautions should be noted about the use of the optional VR10 Extended Price Computer. The VR10 may be ordered without any pulsers, or it can be ordered with the Veeder-Root 100:1 Pulse/Totalizer.

The Veeder-Root Pulse/Totalizer along with an interface barrier was designed to work with Veeder-Root's MBSS Consoles. The voltage will not allow the VR10 with pulse/totalizer to operate with the Bennett 405 Console.

Solutions to allow the VR10 to operate with the Bennett 405 Console

1. If you wish to use Veeder-Root Pulse Totalizer:

Order 4000 dispenser w/ VR10 computer from Bennett. If prepay operation is desired, specify that the dispenser is "w/ Prepay". The dispenser is equipped with a VR10 Extended Price Computer but without any pulsers or pulse totalizer.

The installer must:

*Supply & Install Veeder-Root Pulse Totalizer, Form #773380-601, 2-pulses per 2 pennies

*Supply & Install Western Electronics Interface Barrier #7000I-11, 1-pulse in/1-pulse out

*Supply & Install from electrical supply house, Appleton ELMF90-75 3/4" 90° Male x Fe Elbow or Crose-Hinds EL296 3/4" 90° Male x Fe Elbow.

*In the bottom of the ballast box of the dispenser, there are knockouts that can be used to install the elbow (marked as ABB and BAA on the knockout). Install the elbow and barrier on the underside of the ballast box. Route the barrier wires to the terminal strip inside the ballast box.

--OR--

2. If you desire to use Western Pulsers:

Order 4000 dispenser w/ VR10 computer from Bennett. If prepay operation is desired, specify that the dispenser is "w/ Prepay". The dispenser is equipped with a VR10 Extended Price Computer but without any pulsers or pulse totalizer.

The installer must:

*Supply & Install Western Pulser Model 500 including the Western Interface Barrier for single dispensers

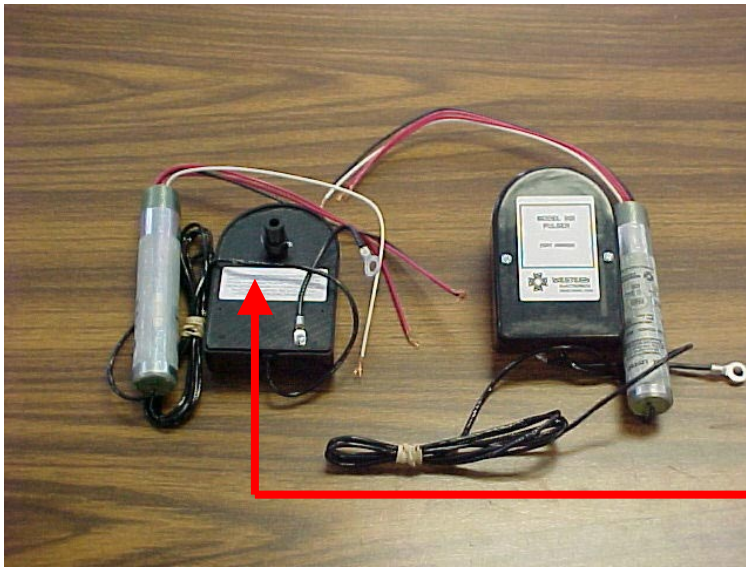
---OR---

*Supply & Install 2 Western Pulser Model 500 including the 2 Western Interface Barrier for twin dispensers. For twin model dispensers, 2 of the Western #4500211 Short Shaft Kits are required. **The longer standard shaft kit will not fit in a twin dispenser.**

*Supply & Install from electrical supply house, Appleton ELMF90-75 3/4" 90° Male x Fe Elbow or Crose-Hinds EL296 3/4" 90° Male x Fe Elbow.

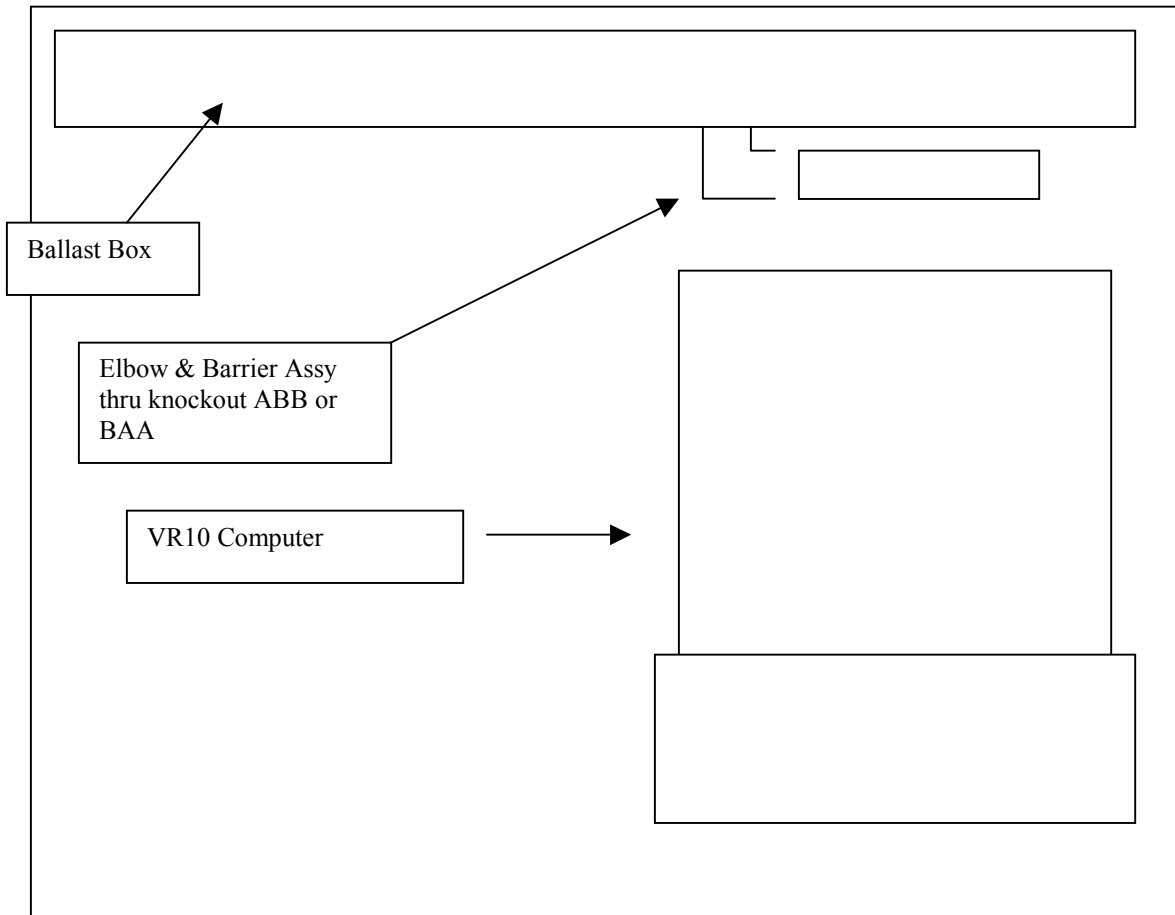
*In the bottom of the ballast box of the dispenser, there are knockouts that can be used to install the elbow (marked as ABB and BAA on the knockout). Install the elbow and barrier on the underside of the ballast box. Route the barrier wires to the terminal strip inside the ballast box.

To the Point



Model 500 Western Pulsers with
#7000I-11 Interface Barrier

Shown with #4500211 Short
Shaft Kit



Ballast Box

Elbow & Barrier Assy
thru knockout ABB or
BAA

VR10 Computer

To the Point

The methods described previously in this bulletin are the only Bennett approved methods for using a VR10 Extended Price Computer with a Model 405 series console.

Should you have an application to use a VR10 computer with the Veeder-Root MBSS console or another console that uses the same voltage as the MBSS, simply order:

4000 series dispenser from Bennett and ask for “w/ VR10 computer and VR Pulse/Totalizer and VR barrier assembly”. If dispenser is for “prepay” use, also ask for “w/ Prepay”.

A few additional comments as to why Bennett cannot furnish a dispenser with VR10 computer equipped with 100:1 Veeder-Root Pulse/Totalizer and a barrier that will allow it's use with the Model 405 Console:

Why does Bennett not use the barrier made by Triangle Micro Systems to supply a dispenser finished for use with the 405 console? It does supply the correct voltage for use with the 405 console. The TMS barrier assembly is not U.L. listed, so we cannot include it in our finished dispenser.

Can the T.M.S. barrier be installed in the field? Yes, but because it has no U.L. Listing or other listing from a testing agency, Bennett cannot recommend it's use in Bennett dispensers. The use of the T.M.S. barrier will invalidate the Bennett warranty.

Why does Bennett not use the Western Electronics pulsers and the Western Electronics barrier to supply a dispenser finished for use with the 405 console? The Western pulser and barrier are ETL listed, but do not carry the U.L. listing. Because the component is not U.L. listed, we cannot supply the component and continue to put a U.L. listing on the finished dispenser. Please note that we are not questioning the safety of the Western pulser and barrier. ETL is a well known testing and accreditation agency.

The prices for all the computer options shown in the matrix on page one are effective immediately. Please retain this bulletin with your price sheets for reference. These option prices will be incorporated into the current price list in subsequent printings.

Please give us a call if you have any questions about these mechanical computer options.



BENNETT COMMERCIAL PUMP COMPANY ▲ 1218 E. Pontaluna ▲ Spring Lake, Mi 49456
TEL: 231.798.1310 ▲ FAX: 231.799.6202 ▲ EMAIL: sales@bennettpump.com