



Proven Performance Since 1982

Colonial VCR™ Series Cartridges are designed to replace the center section (body) of an installed Colonial Full Block® True Union Ball Valve (Mark II Series)

Face to face dimensions, and body threads enable the VCR™ to fit between the end connectors of an existing, installed Colonial Full Block® Series TUBV, and engage properly with the installed union nuts.

The environmentally-friendly option that saves you time and money:

- When it's time to replace the cartridges of existing, installed valves, VCRs alleviate the need to purchase and then dispose of new union nuts and end connectors.
- Reduced weight saves on shipping cost.

Proven Quality:

VCR™ cartridges are the same as the original Colonial Full Block® TUBV cartridge, with features that include:

- 235 psi non-shock working pressure for ½ - 2" sizes. 150 psi for 3 & 4" sizes.
- Blocked carrier for safety
- External seat-wear adjustment
- Two-stem o-rings for added leak protection
- Floating ball for positive shut-off
- Full port, Sch 80 design
- VCR™ cartridges are assembled with silicone-free lubricant.

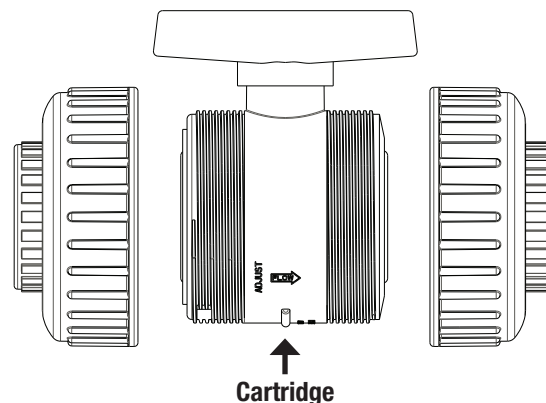
Note: Colonial VCR™ and CCR™ cartridges do not have the same dimensions. Be sure to order a VCR™ to replace the cartridge of a Colonial Full Block® TUBV.



VCR™ Cartridge

CATEGORY	DISCOUNT MULTIPLIER	Effective June 1, 2011
PRICING SCH E		Supplement to VPS-22

This List Price Sheet is available in PDF format at www.colonialengineering.com



Material: PVC with EPDM O-rings and PTFE Seats
Pricing Schedule E

Size	Part Number	Ctn. Qty.	List
1/2	V07101CR	48	\$33.30
3/4	V08101CR	48	\$39.26
1	V10101CR	48	\$46.90
1-1/4 & 1-1/2	V17101CR	24	\$74.20
2	V20101CR	12	\$97.30
3	V30101CR	6	\$236.60
4	V40101CR	4	\$399.70

Material: PVC with Viton O-rings and PTFE Seats
Pricing Schedule E

Size	Part Number	Ctn. Qty.	List
1/2	V07102CR	48	\$36.99
3/4	V08102CR	48	\$43.81
1	V10102CR	48	\$52.21
1-1/4 & 1-1/2	V17102CR	24	\$82.60
2	V20102CR	12	\$108.50
3	V30102CR	6	\$263.20
4	V40102CR	4	\$443.80

Material: CPVC with Viton O-rings and PTFE Seats
Pricing Schedule E

Size	Part Number	Ctn. Qty.	List
1/2	V07104CR	48	\$51.54
3/4	V08104CR	48	\$64.85
1	V10104CR	48	\$77.70
1-1/4 & 1-1/2	V17104CR	24	\$123.90
2	V20104CR	12	\$170.80
3	V30104CR	6	\$508.20
4	V40104CR	4	\$770.70

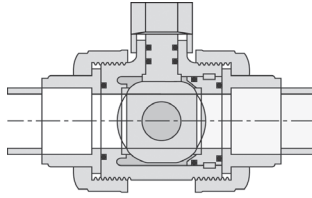
(See opposite page for vented option.)

VCR™ SERIES - CARTRIDGE REPLACEMENT FOR COLONIAL TUBV

Face to face dimensions, and body threads enable the VCR™ to fit between the end connectors of an existing, installed Colonial Full Block® Series TUBV, and engage properly with the installed union nuts.

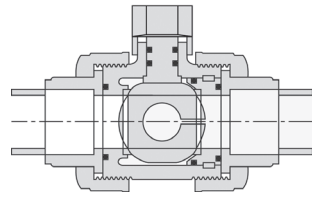
VENTED OPTION

For Sodium Hypochlorite (Bleach) and other chemical process applications where entrapped fluids may cause plating, and may form a build up of gasses produced as a result of decomposing solution trapped in the ball and body of the valve in the closed position. The vented Ball Valve provides a solution for the application (see illustration).



Standard Valve - Fluid entrapped in ball and body in closed position.

With Colonial Vented Ball Valves, the ball is vented to the pressure (upstream) port allowing the interior of the ball and body to remain wetted to prevent the occurrence of decomposition and plating.



Material: PVC with Viton® O-rings and PTFE Seats
Pricing Schedule E

Size	Part Number	Ctn. Qty.	List
1/2	V07102CR-V	48	\$43.52
3/4	V08102CR-V	48	\$51.54
1	V10102CR-V	48	\$61.43
1-1/4 & 1-1/2	V17102CR-V	24	\$97.18
2	V20102CR-V	12	\$127.65
3	V30102CR-V	6	\$309.65
4	V40102CR-V	4	\$522.12

Material: CPVC with Viton® O-rings and PTFE Seats
Pricing Schedule E

Size	Part Number	Ctn. Qty.	List
1/2	V07104CR-V	48	\$60.64
3/4	V08104CR-V	48	\$76.29
1	V10104CR-V	48	\$91.41
1-1/4 & 1-1/2	V17104CR-V	24	\$145.76
2	V20104CR-V	12	\$200.94
3	V30104CR-V	6	\$597.88
4	V40104CR-V	4	\$906.71

TO INSTALL THE REPLACEMENT CARTRIDGE:

1. Depressurize and drain the piping system (or the isolated zone of the system).
2. Loosen the union nuts on the valve and slide them back on the piping so that the existing cartridge can be removed.
3. Remove the cartridge. Wipe the flat faces of the installed end connectors that will mate with the o-rings of the replacement cartridge.
4. Prepare the VCR™ for installation. Make sure that the face o-rings are properly seated in their grooves. VCR™ should be in the OPEN position. Gently lift the pipe sections slightly to allow the VCR™ cartridge to fit into position. Make sure the VCR™ is properly centered, and is properly oriented with the "Flow" arrow engraved on the body.
5. Tighten the union nuts onto the VCR™. Union nuts should be hand-tight. (1/4 turn max past hand tight for 2" or larger, using an approved union nut wrench or strap wrench.)
6. Dry-cycle the valve to make sure it has a smooth open/close action.
7. Re-pressurize the piping system and resume use.

WARRANTY

VCR™ True Union Ball Valve Cartridge-replacements

Except as otherwise mandated by law, Colonial Engineering, Inc. (Manufacturer of the Colonial Valve Product Line) warrants that its products shall be free from defects in material and workmanship for a period of 36 months from date of shipment. Manufacturer will provide new replacement units of the same type and size for products proved to have manufacturing defects, for the duration of this warranty, provided that the manufacturer has been given the opportunity to inspect the product alleged to be defective and the installation or use thereof. No warranty is included against any expense for removal, reinstallation, or other consequential damages arising from any defect. Customer agrees that this warranty shall be effective so long as the goods are used only for the normal purposes for which they are designed and intended, and in conformance with industry-established engineering, installation, operating, and maintenance specifications, recommendations and instructions. Violation thereof shall void this warranty and relieve the manufacturer from any obligation under this warranty. Manufacturer does not assume, and expressly disclaims any liability due to end-user's failure to comply with said specification, recommendations, and instructions.