Department of Safety and Professional Services
Division of Industry Services
Plumbing Product Review
4822 Madison Yards Way
P.O. Box 7162
Madison, Wisconsin 53707-7162
Phone 608-266-2112
Web http://dsps.wi.gov
Email dsps@wisconsin.gov
TTY: Contact Through Relay

Governor Tony Evers **Dan Hereth, Secretary Designee**

October 25, 2022 Revised◊

Vista Water Group LLC
James Chandler
1244 County Road 1475
Ashland OH 44805

Re:
Description:	Dual Check Backflow Preventers
Manufacturer:	Vista Water Group LLC
Product Name:	VersaCheck and VistaCheck Dual Check Backflow Preventers: VC025-QC, VCB025, VC038-QC, VCB038, VC050, VC075, VC100, VC125, VC150 (“A” suffix = aluminum, “P” suffix = PVC) and Vistacheck Model VC250 (“A” suffix = ¼-in., “B” suffix = ⅜-in.)
Model Number(s):	VersaCheck and VistaCheck Dual Check Backflow Preventers: VC025-QC, VCB025, VC038-QC, VCB038, VC050, VC075, VC100, VC125, VC150 (“A” suffix = aluminum, “P” suffix = PVC) and Vistacheck Model VC250 (“A” suffix = ¼-in., “B” suffix = ⅜-in.)
eSLA PTO No.:	PP-102200019-PTOAA

The specifications and/or plans for these dual check backflow preventers have been reviewed and determined to comply with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an alternate approval to s. SPS 382.41 based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of October 2027.

This approval is contingent upon compliance with the following stipulation(s):

1. A copy of this approval letter shall be submitted with all plans using these dual check backflow preventers. Plans submitted without a copy of this approval letter may be denied.

2. These dual check backflow preventers shall be installed:

    a. , maintained and used in strict accordance with the manufacturer's published instructions, Chapters 381-386 Wis. Adm. Code and this product approval. If there is a conflict between the manufacturer's instructions and the Wis. Adm. Code or this Plumbing Product Approval, then the Wis. Adm. Code and this Plumbing Product Approval shall take precedence.
    b. by persons holding the proper license or registration in accordance with Wis. Stats. § 145.
    c. serving handheld showers, faucet and fixture fittings with hose connected outlets that do not otherwise conform with the cross-connection control requirements of ASME A112.18.1 or ASSE 1014.
    d. in any angle (e.g. vertical, horizontal) with the proper flow orientation.
    e. with pipe hangers on the inlets and outlets.
    f. using water distribution piping that conforms to s. SPS 384.30(4)(e) or SPS 384.30(4)(e)3. Wis. Adm. Code up to the point of inlet connection.
    g. using drain, waste and vent piping that conform to s. SPS 384.30(2)(a) Wis. Adm. Code downstream of the outlet connection.
    h. using fittings and connections that conform to s. SPS 384.40 Wis. Adm. Code.
    i. with cleanouts installed downstream as required by s. SPS 382.35 Wis. Adm. Code.
    j. so the devices are accessible for cleaning and maintenance.
    k. so the maximum flow rates for specified in Table 1of 2 are not exceeded.

3. These dual check backflow preventers shall be tested in accordance with the manufacturer’s test procedure after installation and at least once annually thereafter:

    https://vistawatergroup.com/docs/M2509-230104-VersaCheck-Testing-Procedures.pdf

4. The dual check backflow preventer models VCB-025 and VCB-038, shall be acceptable for use on post mix type carbonated and non- carbonated beverage dispensers, in lieu of an ASSE 1022 ("Backflow Preventer for Beverage Dispensing Equipment") device currently specified in Table SPS 382.41-2 Wis. Adm. Code.

5. The push-fit fittings shall not be removed from these dual check backflow preventers.

6. For the duration of his approval, the manufacturer shall maintain conformance of these dual check backflow preventers to ASME A112.18.1, ASME A112.18.3, ASSE 1024, ASSE 1032 (VCB models), NSF 61 and NSF 372.

7. Complete installation and maintenance instructions shall be provided to each owner and remain onsite. See attached documentation.

Table 1 of 2

Model[a]	FNPT Size (in.)	Max. Flow Rate (gpm)[b]	Max. Temp. (°F)	Max. Pressure (psig)
VCB025	¼	4.3	140	200
VCB038	⅜	8.1		
VCB025-QC	¼	2.0		150 @ 70F 70 @ 140F
VCB038-QC	⅜			
VC050	½	10.5		160
VC075	¾	18.8		
VC100	1	34.9		
VC125	1¼	54.7		
VC150	1½	72.5		
VC250-A	¼	2.0		150 @ 70F 70 @ 140F
VC250-B	⅜			

a = All models may have the suffix "A" (anodized aluminum) or "P" (PVC); except for Vistacheck models where "A" suffix = ¼-in., "B" suffix = ⅜-in.

b = flow rate at 10 psig ΔP

Table 2 of 2

Model[a]	Standard				Situations and Conditions							
					Backpressure				Back Siphonage			
					Low Hazard		High Hazard		Low Hazard		High Hazard	
	ASME A112.18.1[b] /CSA B125.1	ASME A112.18.3[c]	ASSE 1024	ASSE 1032	Continuous Pressure	Non-continuous Pressure	Continuous Pressure	Non-continuous Pressure	Continuous Pressure	Non-continuous Pressure	Continuous Pressure	Non-continuous Pressure
VC025-QC	y	y	x	n	y	y	y	y	y	y	y	y
VCB025[d]	x	x	y	y	y	y	y	y	y	y	y	y
VC038-QC	y	y	x	n	y	y	y	y	y	y	y	y
VCB038[d]	x	x	y	y	y	y	y	y	y	y	y	y
VC050	x	x	y	n	y	y	y	y	y	y	y	y
VC075	x	x	y	n	y	y	y	y	y	y	y	y
VC100	x	x	y	n	y	y	y	y	y	y	y	y
VC125	x	x	y	n	y	y	y	y	y	y	y	y
VC150	y	y	y	n	y	y	y	y	y	y	y	y
VC250-A (Vistacheck)	y	y	x	n	y	y	y	y	y	y	y	y
VC250-B (Vistacheck)	y	y	x	n	y	y	y	y	y	y	y	y

y= yes, n = no

x = model approved based on functional identicalities to tested models.

a = All models may have the suffix "A" (anodized aluminum) or "P" (PVC); except for Vistacheck models where "A" suffix = ¼-in., "B" suffix = ⅜-in.

b = This Standard covers plumbing supply fittings and accessories located between the supply stop and the terminal fitting, inclusive, as follows:

1. automatic compensating valves for individual wall-mounted showering systems;
2. bath and shower supply fittings;
3. bidet supply fittings;
4. clothes washer supply fittings;
5. commercial pre-rinse spray valves;
6. drinking fountain supply fittings;
7. humidifier supply stops;
8. kitchen, sink, and lavatory supply fittings;
9. laundry tub supply fittings;
10. lawn and sediment faucets;
11. low pressure water dispensers;
12. metering and self-closing supply fittings;
13. showerheads, handheld showers, and body sprays; and
14. supply stops.

(continued from previous page)

c = There shall be at least two backflow prevention devices in series, proven by tests to be in compliance with section 7 of this standard. They shall operate independently as integral parts of the fixture fitting. At least one device shall be a check valve, called the primary check in this standard. Among the devices are used as the second backflow prevention device:

1. additional check valves;
2. vents to atmosphere;
3. vacuum breakers; and
4. automatic diverters

d = designed specially for use on carbonated beverage dispensers, post-mix type.

Technical notations:

a. Manufacturer's website: https://vistawatergroup.com/versacheck

b. The standards that appear on the labeling of these dual check backflow preventers are based on the QAI laboratory test report, listings and the standard(s) a specific device was tested to:

   https://qai.org/directory/vista-water-group-llc-2/

   This approval also recognizes the functional identicalities of these dual check backflow preventers as displayed in Table 2 of 2 of this letter.

◊ = Revised March 16, 2023 to specify a test procedure and minimum frequency of testing and replace text with a table that specifies the cross-connection control attributes of each model and the standards they conform to.

Revised March 23, 2023 to clarify Table 2 of 2, resolve confusion between the standards. And add footnote technical notation "b."

The department is in no way endorsing these dual check backflow preventers, or any advertising, and is not responsible for any situation which may result from their use.

Sincerely,

Glen W. Schlüter
Plumbing Product Reviewer
Department of Safety and Professional Services
Division of Industry Services
Bureau of Technical Services
608.267.1401 **Phone**
glen.schlueter@wi.gov **E-mail**
7:45AM-4:30PM CST M-F **Work Hours**