

Xeri-Bug™ with Check Valve

Point-Source Emitters for Drip Irrigation

Applications

Xeri-Bug[™] with Check Valve (XBCV) is a pressure-compensating emitter that is the ideal choice for many irrigation applications that want to conserve water. XBCV prevents drainage by holding back 10 feet (3 m) of water—the highest in the industry.

This feature can be utilized in any drip installation, but becomes especially beneficial on elevated zones, slopes, raised potted plants, green roofs/walls, golf landscaping, green houses and nurseries.

Features

Efficient Water Usage

- With 10 feet (3 m) of hold-back power, XBCV eliminates low-point drainage and provides uniform irrigation throughout the zone.
- Strong check-valve protection helps conserve water by eliminating low-point drainage and flooding. In a standard 500-foot (152 m) line with ½" (13 mm) internal diameter, 20 gallons (76 L) of water is held in the line instead of draining out.
- In a zone that has a 10-foot (3 m) elevation change, only one zone is needed for the XBCV. Fewer zones allow you to save money on valves and time on installation.

Holds Prime in the Line

- Designed to hold prime in the line, these emitters immediately begin irrigation and reduce cycle times.
- By holding prime when the system is turned off, XBCV prevents particles from clogging the emitter—a problem when a system drains and siphons soiled water.
- Holding prime in the line reduces calcium build-up and extends the life of the emitter.

All-in-One Design

 With its comprehensive capabilities, the XBCV can be taken to any jobsite. It's the only emitter you need to stock, carry and install, simplifying point-source drip jobs.

Pressure Compensating

- A pressure-compensating design offers a consistent flow from 15 to 50 psi (1.0 to 3.5 bar).
- XBCV delivers the same amount of water from the first emitter in the line to the last.

Self Cleaning

 A self-flushing action cleans the emitters every time the system turns on and off, reducing maintenance and extending the life of the emitter.

Self-Piercing Barb

 Self-piercing models feature barbs that eliminate the need for a hole-punching tool, making installation easier.

Risers and Adapters

 Models with 10-32 threaded ends can quickly connect to risers or adapters.

Compact Design

• With a diameter less than a dime, the emitter is unobtrusive and easily hidden.

Operating Range

- Opening Pressure: 15 psi (1.0 bar)
- **Pressure:** 15 to 50 psi (1.0 to 3.5 bar)
- Flow Rates: 0.5 to 2.0 gph (1.9 to 7.6 lph)
- Filtration Requirement: 150 mesh (75 micron)





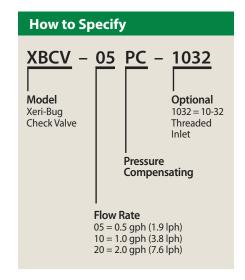
Models

Self-Piercing Barb Inlet x Barb Outlet

- XBCV-05PC: Blue, 0.5 gph (1.9 lph)
- XBCV-10PC: Black, 1.0 gph (3.8 lph)
- XBCV-20PC: Red, 2.0 gph (7.6 lph)

10-32 Threaded Inlet x Barb Outlet

- XBCV-05PC-1032: Blue, 0.5 gph (1.9 lph)
- XBCV-10PC-1032: Black, 1.0 gph (3.8 lph)
- XBCV-20PC-1032: Red, 2.0 gph (7.6 lph)





Specifications

The Xeri-Bug[™] with Check Valve (XBCV) shall have a 4.3 psi (0.3 bar) check valve that will hold back 10 feet (3 m) of water.

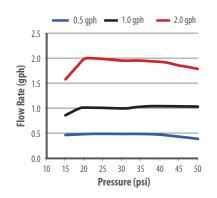
They require filtration of 150 mesh (75 micron).

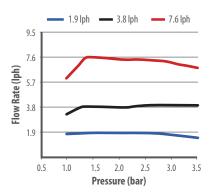
They shall be pressure compensating. The models shall flow at 0.5 gph (1.9 lph), 1.0 gph (3.8 lph), and 2.0 gph (7.6 lph) when inlet pressure is between 15 to 50 psi (1.0 to 3.5 bar).

The XBCV emitters shall be manufactured by Rain Bird Corporation in Azusa, California.

Pressure Compensating

Xeri-Bug™ Emitters with Check Valve maintain a consistent flow rate from 15 to 50 psi (1.0 to 3.5 bar).





Available Models

Self-Piercing Barb Inlet x Barb Outlet 10-32 Threaded Inlet x Barb Outlet XBCV-05PC XBCV-10PC XBCV-20PC XBCV-05PC-1032 XBCV-10PC-1032 XBCV-20PC-1032 Model Flow Rate 0.5 gph (1.9 lph) 1.0 gph (3.8 lph) 2.0 gph (7.6 lph) 0.5 gph (1.9 lph) 1.0 gph (3.8 lph) 2.0 gph (7.6 lph) **Pressure Range** 15 - 50 psi (1.0 to 3.5 bar) 15 - 50 psi (1.0 to 3.5 bar) Consistent Flow Rate from 15 to 50 psi (1.0 to 3.5 bar) Consistent Flow Rate from 15 to 50 psi (1.0 to 3.5 bar) **Pressure Compensating** Required Filtration 150 mesh (100 micron) 150 mesh (100 micron) **Internal Check Valve** 4.3 psi (0.3 bar) check valve holds up to 10' (3 m) of water 4.3 psi (0.3 bar) check valve holds up to 10' (3 m) of water **Anti-Siphoning** ✓ **Self Cleaning BAG QUANTITY ORDER NUMBER ORDER NUMBER** XBCV05PC1032 25 per Bag XBCV05PC XBCV10PC XBCV20PC XBCV10PC1032 XBCV20PC1032 100 per Bag XBCV05PCBULK XBCV10PCBULK XBCV20PCBULK

Rain Bird Corporation

6991 East Southpoint Road Tucson, AZ 85756 Phone: (520) 741-6100 Fax: (520) 741-6522

Rain Bird Technical Services

(800) RAINBIRD (1-800-724-6247) (U.S. & Canada)

Rain Bird Corporation

970 West Sierra Madre Avenue Azusa, CA 91702 Phone: (626) 812-3400 Fax: (626) 812-3411

Rain Bird International, Inc.

1000 West Sierra Madre Ave Azusa, CA 91702 Phone: (626) 963-9311 Fax: (626) 852-7343

The Intelligent Use of Water™ www.rainbird.com

Registered Trademark of Rain Bird Corporation
2020 Rain Bird Corporation 10/20