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Backflow Prevention / Products

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Series: **7**

Description: **Dual Check Valves**

Size Range: 1/2 to 1 1/4 in. (15 to 32mm)

Series 7 Dual Check Valves prevent the reverse flow of polluted water from entering into the drinking water supply at the service entrance or at individual outlets. It consists of a bronze body construction, with two plastic replaceable check valves, and stainless steel springs. Series 7 is designed for non-health hazard residential water system containment, continuous pressure applications. It is installed immediately downstream of the residential water meter, in a vertical or horizontal position. Check with local inspection authorities for installation requirements. Minimum Working Pressure: 10psi (69 kPa) Maximum Working Pressure: 150psi (10 bar).



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- [Product Specification \(F-7.pdf\)](#)
- [Installation Instructions \(1910327.pdf\)](#)

Series: **07S**

Description: **Residential Fire Sprinkler System Dual Check Valves**

Size Range: 1 to 1 1/4 in. (25 to 32mm)

Series 07S Residential Fire Sprinkler System Dual Check Valves prevent the reverse flow of polluted water from residential fire sprinkler systems from entering into the potable water supply. It consists of a bronze body construction with dual check valves, silicone seat discs, and identification tag. Series 07S offers low pressure drop, easy maintenance and service, and is designed for non-health hazard residential sprinkler systems at the water meter or service entrance. Check with local inspection authorities for installation requirements. Minimum Working Pressure: 10psi (69 kPa), Maximum Working Pressure: 175psi (12.06 bar), Maximum recommended flow: 50 gpm (190 lpm).



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- [Installation Instructions \(1910327.pdf\)](#)

Series: **7B**

Description: **Dual Check Valves**

Size Range: 3/4 in. (20mm)

Series 7B Dual Check Valves prevent the reverse flow of polluted water from entering the potable water supply at the service entrance or at individual outlets. It consists of a compact brass body construction, two independently operating check valves, and is available with a female union inlet x female union outlet and NPT threaded connections. Series 7B is designed for non-health hazard residential water



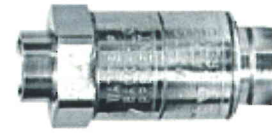
system containment, continuous pressure applications. Check with local inspection authorities for installation requirements. Maximum Working Pressure: 150psi (10 bar), Maximum recommended flow: 15 gpm (57 lpm).



- ◆ [Product Specification \(F-7.pdf\)](#)
- ◆ [Installation Instructions \(1910327.pdf\)](#)

Series: **7, 7C**
 Description: **Dual Check Valves**
 Size Range: 3/8 in. (10mm)

Series 7, 7C Dual Check Valves prevent the reverse flow of polluted water from entering into the drinking water supply at the service entrance or at individual outlets. It consists of brass body (Model 7) or chrome-plated brass body (Model 7C) construction, with two independently operating check valves and stainless steel springs. Series 7, 7C is designed for non-health hazard residential water system containment, continuous pressure applications, such as wash-down sinks with a hose-type device. Check with local inspection authorities for installation requirements. Minimum Working Pressure: 10psi (69 kPa) Maximum Working Pressure: 150psi (10 bar), Maximum recommended flow: 15 gpm (57 lpm).



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- ◆ [Installation Instructions \(1910327.pdf\)](#)
- ◆ [Installation Instructions \(1910530.pdf\)](#)

Series: **Cu7**
 Description: **Copper-Body Dual Check Valves**
 Size Range: 1/2 to 1 in. (15 to 25mm)

Series Cu7 Copper-Body Dual Check Valves prevent the reverse flow of polluted water from entering into the drinking water supply at the service entrance or at individual outlets. It consists of a lead-free, copper, poppet-type body construction, that minimizes pressure drop and provides smooth flow characteristics. Series Cu7 straight-line design is ideal for use in non-health hazard residential water system containment and continuous pressure applications. It can be installed in a vertical or horizontal position and is furnished with double unions for ease of installation and repair. Check with local inspection authorities for installation requirements. Minimum Working Pressure: 10psi (69 kPa), Maximum Working Pressure: 150psi (10.34 bar).



- ◆ [Product Specification \(F-7.pdf\)](#)
- ◆ [Installation Instructions \(1910327.pdf\)](#)

Series: **H7, H7C**
 Description: **Dual Check Valves with Hose Connection**
 Size Range: 3/4 in. (20mm)

Series H7, H7C Dual Check Valve with Hose Connection prevent the reverse flow of polluted water from entering into the drinking water supply at individual outlets. It consists of a chrome-plated brass body construction, with two independently operating check valves, stainless steel springs, pressure plates, and brass (H7) or chrome-plated (H7C) hose connection. Series H7, H7C is designed for non-health hazard residential water system containment, continuous pressure applications, such as wash-down sinks with a hose-type device. Check with local inspection authorities for installation requirements. Minimum Working Pressure: 10psi (69kPa), Maximum Working Pressure: 150psi (10 bar), Maximum recommended flow: 15 gpm (57 lpm).



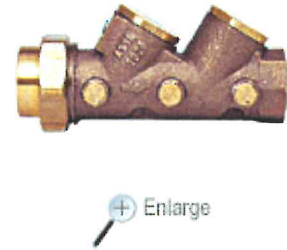
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Series: L7

Description: **In-Line Testable/Serviceable Dual Check Valves**

Size Range: 3/4 and 1 in. (20 and 25mm)

Series L7 In-Line Testable/Serviceable Dual Check Valves prevent the reverse flow of polluted water from entering into the drinking water supply at the service entrance or at individual outlets. It consists of a bronze body construction, with two plastic check valves with top-mounted covers, silicone discs, stainless steel springs, and three test ports for easy in-line service. Series L7 is designed for non-health hazard residential water system containment, continuous pressure applications and is installed immediately downstream of the residential water meter. Check with local inspection authorities for installation requirements. Minimum Working Pressure: 10psi (69 kPa) Maximum Working Pressure: 175psi (12.06 bar).



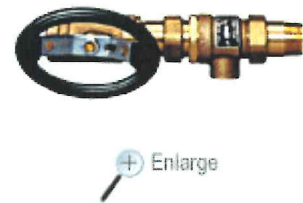
- ◆ [Product Specification \(F-7.pdf\)](#)
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Series: 912HP

Description: **High Pressure Hose Drop Dual Check Vacuum Breakers**

Size Range: 3/4 and 1 in. (20 and 25mm)

Series 912HP High Pressure Hose Drop Dual Check Vacuum Breakers prevent the reverse flow of polluted water from processing and rendering areas from entering into the potable water supply. It consists of a brass body construction, stainless steel internal parts, dual check valves, bronze ball valve shutoff, and an atmospheric vent. Series 912HP is specifically designed for non-health hazard, continuous pressure applications such as lines used for washdown of equipment. It can be installed vertically or horizontally and is ideal for use in food processing plants. Maximum Working Pressure: 400psi (27.5 bar).



- ◆ [Product Specification \(ES-912HP.pdf\)](#)
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- ◆ [Repair Kits](#)

Series: 9BD

Description: **Dual Check Vacuum Breakers for Vending Machine Water Supply Lines**

Size Range: 1/4 and 3/8 in. (6 and 10mm)

Series 9BD Dual Check Vacuum Breakers for Vending Machine Water Supply Lines prevent the reverse flow of contaminants, such as carbon dioxide gas and carbonated water, from entering the potable water supply. It consists of a stainless steel body construction, rubber parts, dual check valves, ball check valve, and an atmospheric vent. Series 9BD is designed for continuous pressure applications and complies with FDA food additive regulations. Maximum Working Pressure: 150psi (10.3 bar)



- ◆ [Product Specification \(ES-9BD.pdf\)](#)
- ◆ [Repair Kits](#)

Series: 9D

Description: **Dual Check Valves with Intermediate Atmospheric Vent**

Size Range: 1/2 and 3/4 in. (15 and 20mm)

Series 9D Dual Check Valves with Intermediate Atmospheric Vent prevent the reverse flow of hot or cold polluted water from entering into the potable water supply. It consists of a brass body with stainless steel internal parts, integral strainer, and two durable, tight-sealing, rubber check valves. Series 9D is designed for continuous pressure, non-health hazard applications in smaller supply lines, such as laboratory equipment, processing tanks, sterilizers, dairy equipment, and specifically for boiler feed lines. Minimum Working Pressure: 25psi (172kPa), Maximum Working Pressure: 175psi (12.06 bar)



- ◆ [Product Specification](#) (ES-9DM3_M2.pdf)
- ◆ [Installation Instructions](#) (1910237.pdf)
- ◆ [Repair Kits](#)

Series: NLF-9

Description: **Dual Check Vacuum Breakers for Laboratory Faucets**

Size Range: 3/8 and 3/4 in. (10 and 20mm)

Series NLF-9 Dual Check Vacuum Breakers for Laboratory Faucets prevent the reverse flow of polluted water from entering into the potable water supply. It consists of a brass body construction with chrome plating, dual check valves, stainless steel working parts, and durable rubber diaphragm and discs. Series NLF-9 is designed for health hazard, non-continuous pressure applications. It is specifically designed for laboratory faucets where portable hoses can be attached. Maximum Working Pressure: 150psi (10.34 bar)



- ◆ [Product Specification](#) (ES-9.pdf)
- ◆ [Installation Instructions](#) (1910202.pdf)

Series: N9, N9C

Description: **Dual Check Vacuum Breakers**

Size Range: 1/4 to 3/8 in. (8 to 10mm)

Series N9, N9C Dual Check Vacuum Breakers prevent the reverse flow of polluted water from entering into the potable water supply. It consists of a brass body construction with an atmospheric vent, and NPT female inlet and outlet connections. Series N9 and N9C are designed for non-health hazard, continuous pressure applications. Series N9C comes with chrome plated finish. Maximum Working Pressure: 125psi (8.6 bar)



- ◆ [Product Specification](#) (ES-N9.pdf)
- ◆ [Installation Instructions](#) (1910202.pdf)
- ◆ [Repair Kits](#)

Series: N9-CD

Description: **Field Testable Dual Check Vacuum Breaker with Atmospheric Vent**

Size Range: 3/4 in. (20mm)

Series N9-CD Field Testable Dual Check Vacuum Breakers with Atmospheric Vent prevent high-hazard backsiphonage backflow and low-head backpressure (10 ft. or less) from contaminating the potable water supply. It prevents backflow associated with hose connections when screwed directly to a sill cock, yard hydrant, or wall hydrant. It consists of a brass body construction with two independently operating rubber and stainless steel check valves, with an atmospheric vent located between the them. Series N9-CD is in-line field testable, non-removable and designed for non-continuous pressure applications. It is ideal for installation in service sinks,

chemical dispensers, sill cocks, and frost-proof hydrants. Series N9-CD-C comes with chrome plating. Maximum Working Pressure: 125psi (10.6 bar).

- ◆ [Product Specification \(ES-N9-CD.pdf\)](#)
- ◆ [Installation Instructions \(1915163.pdf\)](#)
- ◆ [Repair Kits](#)



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Series: SD-2

Description: **Dual Check Valves for Carbonated Beverage Machines**

Size Range: 1/4 and 3/8 in. (8 and 10mm)

Series SD-2 Dual Check Valves for Carbonated Beverage Machines prevent the reverse flow of contaminated water, such as carbon dioxide gas and carbonated water, from entering into the potable water supply due to backpressure backflow. It consists of a stainless steel body construction with internal rubber components and is designed for continuous or intermittent pressure applications. Series SD-2 is ideal for use on post-mix carbonated beverage equipment and dispensing equipment for tea and coffee and comes in a variety of models. Maximum Working Pressure: 200psi (13.8 bar).



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- ◆ [Installation Instructions \(1915235.pdf\)](#)
- ◆ [Repair Kits](#)

Series: SD-3

Description: **Dual Check Valves with Atmospheric Port & Strainer for Carbonated Beverage Machines**

Size Range: 1/4 and 3/8 in. (8 and 10mm)

Series SD-3 Dual Check Valves with Atmospheric Port & Strainer for Carbonated Beverage Machines prevent the reverse flow of polluted water, such as carbon dioxide gas and carbonated water, from entering into the potable water supply due to backpressure backflow. It consists of stainless steel body construction with internal rubber components and is designed for continuous or intermittent pressure applications. Series SD-3 has an atmospheric port that provides visual indication of failure of the second check and a wye pattern strainer. Series SD-3 is available in a variety of models and is ideal for use on post-mix carbonated beverage equipment and dispensing equipment for tea and coffee. Maximum Working Pressure: 150psi (10 bar).



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There are a number of potential cross-connections in household plumbing systems that must be protected against backflow. To learn more about these hazards and to download a recent study from USC on cross-connections in household plumbing systems,

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Stop Backflow News

Backflow contamination can have hazardous or even fatal results. It is essential that backflow prevention programs be put in place and maintained on an ongoing basis. Stop Backflow news presents many case histories outlining the effects of backflow contamination.

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