

# Testable reduced pressure zone Backflow preventer



## 574 series, 1/2 inch and 3/4 inch

Submittal Data 03501 NA — Issue Date 02/2022

### Application

The backflow preventer can be used in all systems where there is danger of the potable water supply system being contaminated. It prevents an accidental reduction in the pressure in the distribution system from causing backflow from contaminated water in user installations.

The 574 series RPZ backflow preventer is ICC-ES certified to ASSE 1013, CSA B64.4, AWWA C511, NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372 low lead laws. It meets codes IPC, IRC, NPC and UPC for use in accordance with the US and Canadian plumbing codes.

### Typical Specification

Furnish and install on the plans and described herein, a code 574 series, testable, reduced pressure zone backflow preventer as manufactured by Caleffi in sizes 1/2" and 3/4" with NPT female and press connections. Each backflow preventer shall be designed with DZR low lead brass body and cover, stainless steel springs and peroxide-cured EPDM diaphragms and seals. The backflow preventer is provided with bronze inlet and outlet t-handle operated ball valves with 304 stainless steel ball.

Each backflow preventer assembly shall be ICC-ES certified to ASSE 1013, CSA B64.4, AWWA C511, NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372 low lead laws. It meets codes IPC, IRC, NPC and UPC for use in accordance with the US and Canadian plumbing codes. It must be designed for 150 psi (10 bar) maximum working pressure and 150°F (65°C) maximum working temperature.

(See product instructions for specific installation information.)



### Technical Data

**NSF/ANSI/CAN 61**

#### Material

Body: DZR low lead brass, EN 1982 CB752S  
 Cover: DZR low lead brass, EN 12165 CW724R  
 Check valves: PSU-POM-CW724R  
 Springs: stainless steel  
 Diaphragms and seals: peroxide-cured EPDM

#### Performance

Suitable fluids: water  
 Max. working pressure: 150 psi (10 bar)  
 Max. working temperature: 150°F (65°C)  
 Pressure test ports: upstream, intermediate, downstream

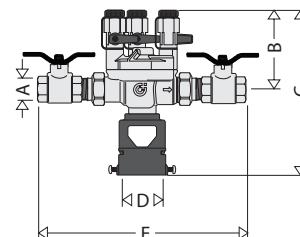
Connections/ max Cv: 1/2" NPT female and press / 3.5  
 3/4" NPT female and press / 8.0

#### Certifications

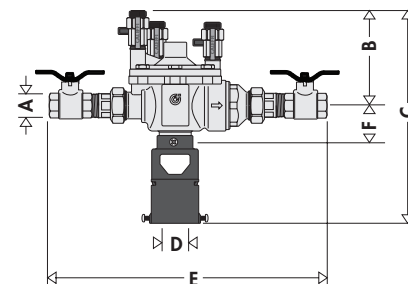
1. ASSE 1013, CSA B64.4, AWWA C511, and NSF/ANSI/CAN 61 certified by ICC-ES, file PMG-1433.
2. Complies with NSF/ANSI/CAN 372, Drinking Water System Components-Lead Content Reduction of Lead in Drinking Water Act, California Health and Safety Code 116875 S.3874, as certified by ICC-ES, file PMG-1360.

### Dimensions

#### size 1/2 inch

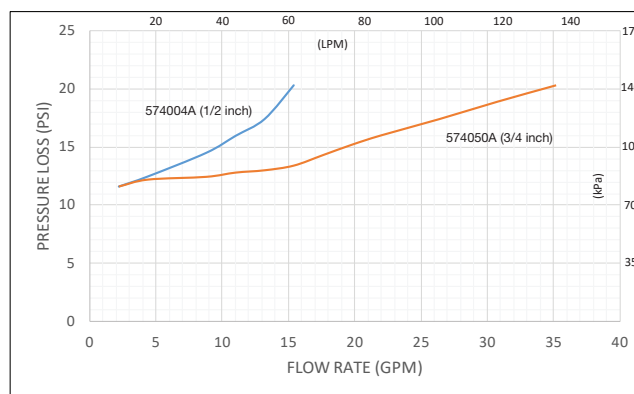


#### size 3/4 inch



Code	A	B	C	D (mm)	E	Wt (lb)
574004A	1/2" FNPT	3 1/4"	6 1/4"	40 mm	9 3/4"	5.0
574064A	1/2" press*	3 1/4"	6 1/4"	40 mm	12 3/8"	5.1
574050A	3/4" FNPT	4"	10 1/2"	40-60 mm	13 1/4"	9.5
574056A	3/4" press*	4"	10 1/2"	40-60 mm	16 1/2"	9.6

\* Lay length: size 1/2 inch: 10 7/8"; size 3/4 inch: 14 1/2".



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Job name \_\_\_\_\_  
 Job location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Mechanical contractor \_\_\_\_\_  
 Contractor's P.O. No. \_\_\_\_\_  
 Representative \_\_\_\_\_

Size \_\_\_\_\_  
 Quantity \_\_\_\_\_  
 Approval \_\_\_\_\_  
 Service \_\_\_\_\_  
 Tag No. \_\_\_\_\_  
 Notes \_\_\_\_\_

# Testable reduced pressure zone Backflow preventer



## 574 series, 1 inch and 1 1/4 inch

Submittal Data 03501.01 NA — Issue Date 02/2022

### Application

The backflow preventer can be used in all systems where there is danger of the potable water supply system being contaminated. It prevents an accidental reduction in the pressure in the distribution system from causing backflow from contaminated water in user installations.

The 574 series RPZ backflow preventer is ICC-ES certified to ASSE 1013, CSA B64.4, AWWA C511, NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372 low lead laws. It meets codes IPC, IRC, NPC and UPC for use in accordance with the US and Canadian plumbing codes.

### Typical Specification

Furnish and install on the plans and described herein, a code 574 series, testable, reduced pressure zone backflow preventer as manufactured by Caleffi in sizes 1" and 1 1/4" with NPT female and press connections. Each backflow preventer shall be designed with DZR low lead brass body and cover, stainless steel springs and peroxide-cured EPDM diaphragms and seals. The backflow preventer is provided with bronze inlet and outlet t-handle operated ball valves with 304 stainless steel ball.

Each backflow preventer assembly shall be ICC-ES certified to ASSE 1013, CSA B64.4, AWWA C511, NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372 low lead laws. It meets codes IPC, IRC, NPC and UPC for use in accordance with the US and Canadian plumbing codes. It must be designed for 150 psi (10 bar) maximum working pressure and 150°F (65°C) maximum working temperature.

(See product instructions for specific installation information.)



NSF/ANSI/CAN 61

### Technical Data

#### Material

Body: DZR low lead brass, EN 1982 CB752S  
 Cover: DZR low lead brass, EN 12165 CW724R  
 Check valves: PSU-POM-CW724R  
 Springs: stainless steel  
 Diaphragms and seals: peroxide-cured EPDM

#### Performance

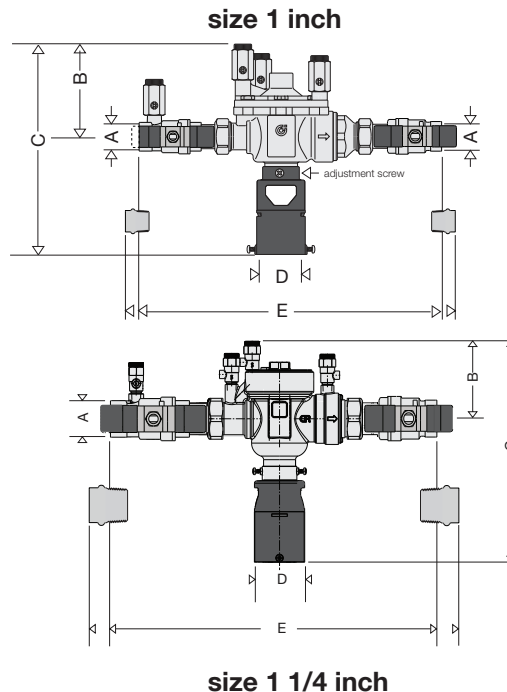
Suitable fluids: water  
 Max. working pressure: 150 psi (10 bar)  
 Max. working temperature: 150°F (65°C)  
 Pressure test ports: upstream, intermediate, downstream

Connections/ max Cv: 1" NPT female and press / 12.0  
 1 1/4" NPT female and press / 19.5

#### Certifications

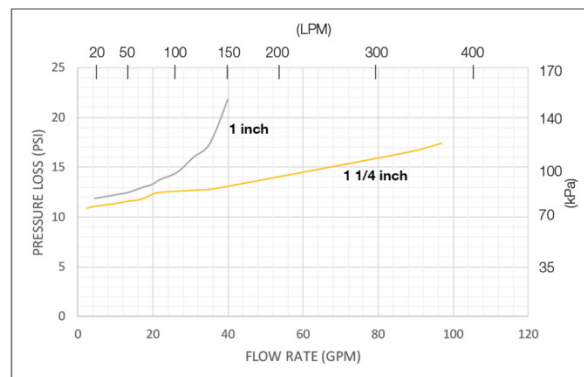
- ASSE 1013, CSA B64.4, AWWA C511, and NSF/ANSI/CAN 61 certified by ICC-ES, file PMG-1433.
- Complies with NSF/ANSI/CAN 372, Drinking Water System Components-Lead Content Reduction of Lead in Drinking Water Act, California Health and Safety Code 116875 S.3874, as certified by ICC-ES, file PMG-1360.

### Dimensions



Code	A	B	C	D (mm)	E	Wt (lb)
574006A	1" FNPT	4"	10 1/2"	40-60 mm	14"	9.5
574066A	1" press*	4"	10 1/2"	40-60 mm	17 3/4"	9.6
574700A	1 1/4" FNPT	4"	11 1/2"	40-60	16 1/2"	13
574706A	1 1/4" press*	4"	11 1/2"	40-60	20 1/4"	13

\* Lay length: size 1 inch: 15 7/8"; size 1 1/4 inch: 18 1/4".



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 Representative \_\_\_\_\_

Size \_\_\_\_\_  
 Quantity \_\_\_\_\_  
 Approval \_\_\_\_\_  
 Service \_\_\_\_\_  
 Tag No. \_\_\_\_\_  
 Notes \_\_\_\_\_

# Testable reduced pressure zone Backflow preventer



## 574 series, 1-1/2 inch and 2 inch

Submittal Data 03501.02 NA — Issue Date 02/2022

### Application

The backflow preventer can be used in all systems where there is danger of the potable water supply system being contaminated. It prevents an accidental reduction in the pressure in the distribution system from causing backflow from contaminated water in user installations.

The 574 series RPZ backflow preventer is ICC-ES certified to ASSE 1013, CSA B64.4, AWWA C511, NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372 low lead laws. It meets codes IPC, IRC, NPC and UPC for use in accordance with the US and Canadian plumbing codes.

### Typical Specification

Furnish and install on the plans and described herein, a code 574 series, testable, reduced pressure zone backflow preventer as manufactured by Caleffi in sizes 1 1/2" and 2" with NPT female and press connections. Each backflow preventer shall be designed with DZR low lead brass body and cover, stainless steel springs and peroxide-cured EPDM diaphragms and seals. The backflow preventer is provided with bronze inlet and outlet t-handle operated ball valves with 304 stainless steel ball.

Each backflow preventer assembly shall be ICC-ES certified to ASSE 1013, CSA B64.4, AWWA C511, NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372 low lead laws. It meets codes IPC, IRC, NPC and UPC for use in accordance with the US and Canadian plumbing codes. It must be designed for 150 psi (10 bar) maximum working pressure and 150°F (65°C) maximum working temperature.

(See product instructions for specific installation information.)



### Technical Data

NSF/ANSI/CAN 61

#### Material

Body: DZR low lead brass, EN 1982 CB752S (1 1/2")  
CB480K-DW (2")  
Cover: DZR low lead brass, EN 12165 CW724R (1 1/2")  
CB480K-DW (2")  
Check valves: PSU-POM-CW724R  
Springs: stainless steel  
Diaphragms and seals: peroxide-cured EPDM

#### Performance

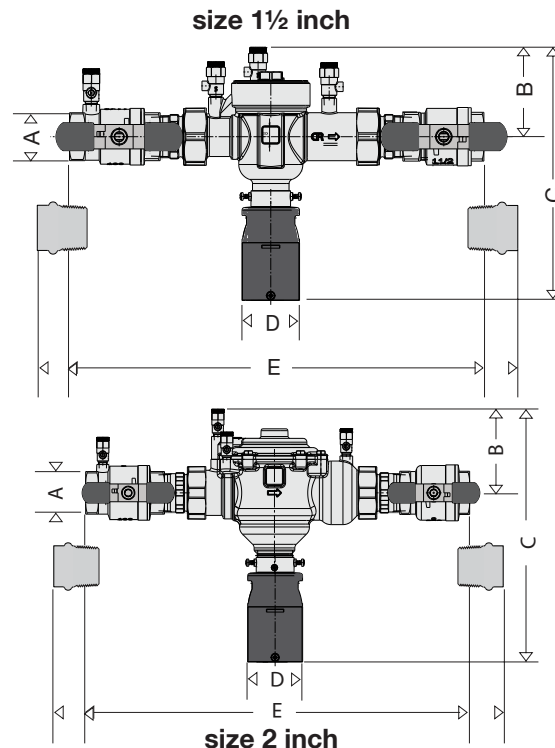
Suitable fluids: water  
Max. working pressure: 150 psi (10 bar)  
Max. working temperature: 150°F (65°C)  
Pressure test ports: upstream, intermediate, downstream

Connections/ max Cv: 1 1/2" NPT female and press / 32.0  
2" NPT female and press / 51.0

#### Certifications

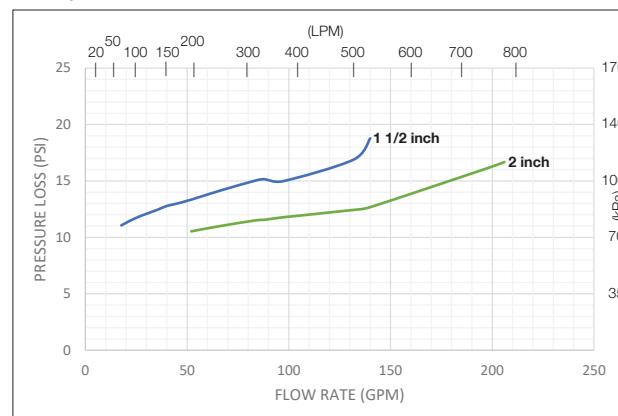
- ASSE 1013, CSA B64.4, AWWA C511, and NSF/ANSI/CAN 61 certified by ICC-ES, file PMG-1433.
- Complies with NSF/ANSI/CAN 372, Drinking Water System Components-Lead Content Reduction of Lead in Drinking Water Act, California Health and Safety Code 116875 S.3874, as certified by ICC-ES, file PMG-1360.

### Dimensions



Code	A	B	C	D (mm)	E	Wt (lb)
574801A	1 1/2" FNPT	4"	11"	40-60	18 3/4"	15
574806A	1 1/2" press*	4"	11"	40-60	23 3/8"	17
574900A	2" FNPT	5 3/16"	14 1/2"	40-60	23 3/4"	25
574906A	2" press*	5 3/16"	14 1/2"	40-60	33 3/4"	27

\* Lay length: size 1 1/2 inch: 20 3/8"; size 2 inch: 31 1/16".



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