

CALEFFI 574 SERIES

SIZE

1/2", 3/4", 1", 1 1/4" 1 1/2", 2"

DESCRIPTION

This is a reduced pressure principle assembly. Production began in 2022. The body and cover are made from low lead brass. All sizes come with a union end connection to attach the body to the ball valve shut off. There is a single access cover on the top. Once the cover bolts are loosened, there will be slight spring tension from the relief valve spring. The relief valve stem is located below the access cover and can be removed from the top. The checks are an in-line modular design. The checks are held in by a retainer and can be removed by sliding the check out of the body and removing it from the top of the body. The check springs are contained when removing the check assembly from the body.

BASIC REPAIR KIT

Repair kit contains both check assemblies and the relief valve stem assembly.

<u>SIZE</u>	<u>KIT NO</u>
1/2	NA11604
3/4"	NA11605
1"	NA11606
1 1/4"	NA11607
1 1/2"	NA11608
2"	NA11609

IMPORTANT FEATURES

~ *Single top access cover*

~ *In-line modular check design*

~ *Union end connections*



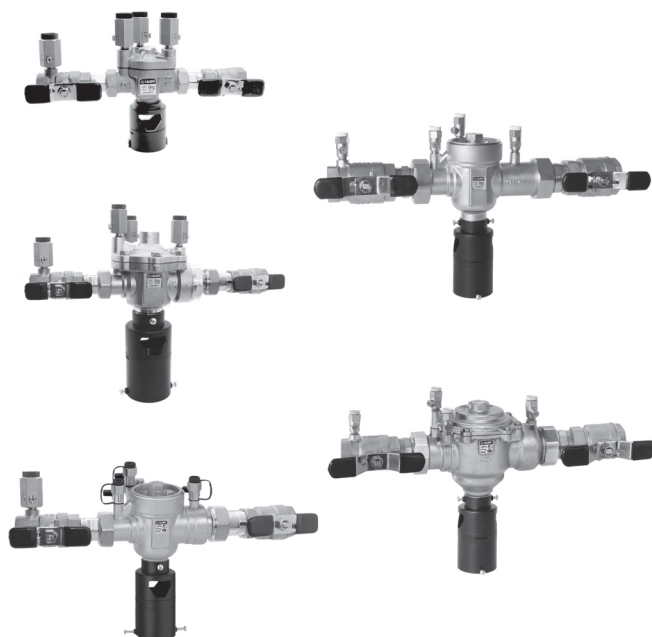
FlowShield™ RP testable reduced pressure zone backflow preventer

574 series



01022/23 NA

Replaces 01022/22.1 NA



Function

The backflow preventer can be used in all plumbing 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 FlowShield™ RP backflow preventer is listed by ASSE to Standard 1013 and is ICC-ES certified to 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. The 574 comes complete with discharge air gap, all test ports are on top for easy access inspite of how the valve is mounted, union body connections make service and repair simple and fast, and a simple short list of parts is all that is required to do a rebuild. One rebuild kit code number includes all parts needed to rebuild the backflow preventer.

Also available in combination with AutoFill™ pre-adjustable automatic filling valves, 1/2", 3/4" and 1" sizes.



NSF/ANSI/CAN 61

Product Range

574 series FlowShield RP testable reduced pressure zone backflow preventer (ASSE 1013) with four pressure test ports and inlet/outlet isolation ball valvessizes 1/2", 3/4", 1-1/4", 1-1/2" and 2" NPT female, press connections

Technical specification

Materials	- Body: DZR low-lead brass, EN 1982 CB752S (1/2"-1 1/2")
	CB480K-DW (2")
	- Access cover: DZR low-lead brass, EN 12165 CW724R
	CB480K-DW (2")
	- Access cover bolts: stainless steel
	- Check valves: PSU-POM-CW724R
	- Springs: stainless steel
	- Diaphragms and seals: peroxide-cured EPDM
Isolation ball valves, inlet and outlet	
	- Body: C898333 low-lead bronze
	- Ball: 304 stainless steel
	- Handle and nut: steel
	- Seat ring and packing gland: PTFE
	- Gland nut: brass
	- Stem: low-lead brass

Performance

Suitable fluids:	Water
Max working pressure:	150 psi (10 bar)
Max working temperature:	150°F (65°C)

Certifications

1. Listed by ASSE to Standard 1013.
2. CSA B64.4, AWWA C511, and NSF/ANSI/CAN 61 certified by ICC-ES, file PMG-1433.
3. 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.

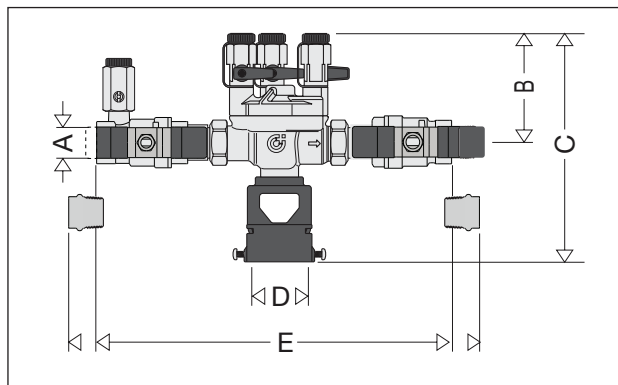
Connections

-NPT female:	1/2", 3/4", 1", 1-1/4", 1-1/2" and 2"
-Press:	1/2", 3/4", 1", 1-1/4", 1-1/2" and 2"
-Pressure test ports:	1/4" NPT upstream, intermediate, downstream

Engineering tools

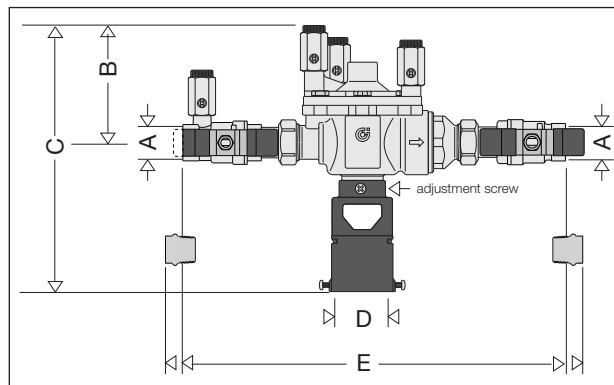
BIM Revit files	www.caleffi.com
	BIMObject.com
Full length Product MasterSpec	www.caleffi.com
	https://get.caleffi.info/specpoint

Dimensions



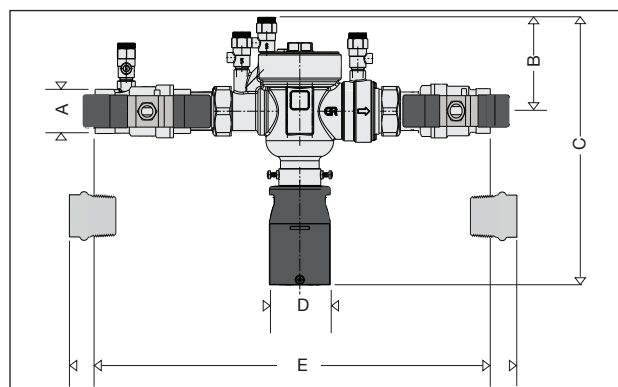
Code	A	B	C	D (mm)	E	Wt (lb)
574004A	1/2" FNPT	3 1/4"	6 1/4"	40 mm	9 3/4"	5.0
574064A	1/2" press*	3 1/4"	6 1/4"	40 mm	12 3/8"	5.1

* Lay length: 10 7/8"



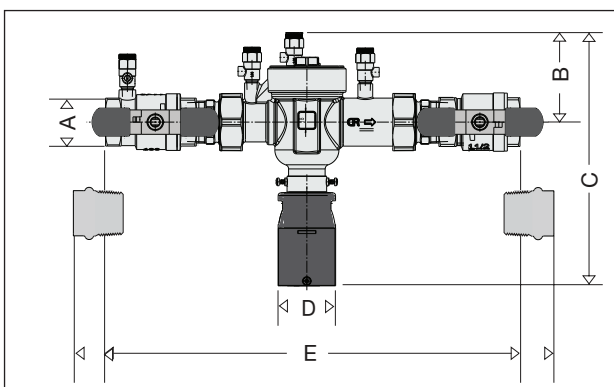
Code	A	B	C	D (mm)	E	Wt (lb)
574050A	3/4" FNPT	4"	10 1/2"	40-60 mm	13 1/4"	9.5
574056A	3/4" press*	4"	10 1/2"	40-60 mm	16 1/2"	9.6
574006A	1" FNPT	4"	10 1/2"	40-60 mm	14"	9.5
574606A	1" press*	4"	10 1/2"	40-60 mm	17 3/4"	9.6

* Lay length: size 3/4 inch: 14 1/2"; size 1 inch: 15 7/8"



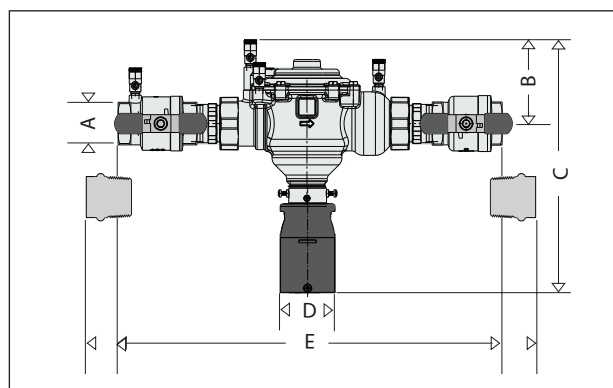
Code	A	B	C	D (mm)	E	Wt (lb)
574700A	1 1/4" FNPT	4"	11 1/2"	40-60	16 1/2"	13
574706A	1 1/4" press*	4"	11 1/2"	40-60	20 1/4"	13

*Lay length: 18 1/4"



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

*Lay length: 20 3/8"



Code	A	B	C	D (mm)	E	Wt (lb)
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: 31 1/16"

Hydraulic Characteristics

