

Low-lead serviceable inline check valves



3047 series

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Application

The 3047 Series inline spring check valves ensure one-way flow in plumbing or hydronic systems, preventing backflow or backsiphonage. Designed for both residential and commercial use, these low-lead valves offer easy installation and maintenance through union connections and multiple end connection options.

The 3047 Series is constructed from low-lead, dezincification-resistant brass, compliant with low-lead/lead-free regulations. It meets NSF/ANSI/CAN 61 for use in drinking water systems and NSF/ANSI/CAN 372 for material content requirements. The valve also adheres to IPC, IRC, UPC, and NPC standards for use in both U.S. and Canadian plumbing systems, and is listed and certified by ICC-ES.

Typical Specification

Furnish and install on the plans and described herein, a Caleffi 3047 series low-lead inline check valve as provided by Caleffi. Each check valve must be designed with low-lead brass body, EPDM, PPO/GF, PPE+PS/GF check valve, and peroxide-cured EPDM union Posi-Stop™ seals. 150 psi (10 bar) maximum working pressure and 32 to 250 °F (0 to 120 °C) working temperature range. Each check valve shall be a Caleffi model 3047 series or approved equal. (See product instructions for specific installation information.)

Technical specifications

Materials	- body:	DZR brass low-lead* brass
	- check valve:	EPDM, PPO/GF, PPE+PS/GF
	- fitting tailpieces:	DZR brass low-lead* or copper
	- union Posi-Stop™ seals:	peroxide-cured EPDM

* Meets the "lead free" requirement of Section 1417 of the Safe Drinking Water Act (SDWA). This product has a weighted average lead content of less than 0.25% for its wetted surfaces contacted with consumable water.

Performance

Suitable fluids:	water and non-hazardous glycol solution up to 50%
Max. Working pressure:	150 psi (10 bar)
Operating temperature range:	32 to 250 °F (0 to 120 °C)
Opening pressure differential:	0.25 psi (size ½" through 1¼") 0.50 psi (size 1½" & 2")
Flow capacity:	Cv 17 (size ½" & ¾") Cv 33 (size 1" & 1¼")

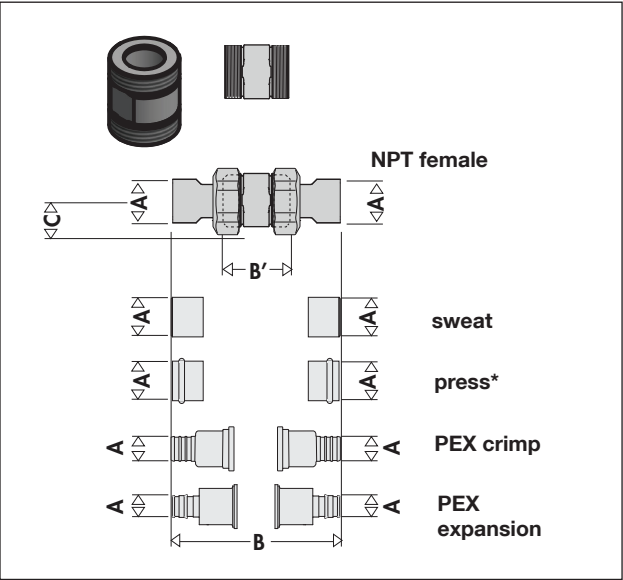
Certifications

1. NSF/ANSI/CAN 61, Drinking Water System Components for use in potable water systems. Certified by ICC-ES, PMG File 1512.
2. NSF/ANSI/CAN 372, US and Canadian Low-Lead and Lead-Free materials contents laws for drinking water system components. Certified by ICC-ES, PMG File 1360.
3. PEX crimp fittings certified to ASTM F1807.
4. PEX expansion fittings certified to ASTM F1960.
5. Compliant with IPC, IRC, UPC, NPC.

Connections

Main connections:	½", ¾", 1", 1¼", 1½" & 2"
	NPT female and male dual union
	sweat dual union
	press dual union
	PEX expansion dual union (½", ¾" only)
	PEX crimp dual union (½", ¾" only)

Dimensions



*Lay length:
1/2" press- 2 7/16 inch.
3/4" press- 2 5/16 inch.
1" press- 4 1/32 inch.
1 1/4" press- 5 29/32 inch.
1 1/2" press- 5 5/8 inch.
2" press- 7 29/32 inch.

Code	A	B	B'	C	Wt (lb)
NA30474A	1" metric, no fittings (1)	--	1 9/16"	5/8"	0.25
304740A	1/2" NPT Male	3 5/8"		13/16"	0.80
304749A	1/2" SWT	3 1/8"			0.65
304743A	1/2" NPT Female	4"			0.75
304746A	1/2" press	3 15/16"			0.65
304747A	1/2" PEX crimp	4 15/16"			0.65
304748A	1/2" PEX expansion	5 3/16"			0.70
304750A	3/4" NPT Male	3 5/16"			0.75
304759A	3/4" SWT	3 5/8"			0.65
304753A	3/4" NPT Female	4 3/16"			0.80
304756A	3/4" press	4 5/16"			0.65
304757A	3/4" PEX crimp	4 15/16"			0.70
304758A	3/4" PEX expansion	5 5/8"			0.75
NA30476A	1 1/2" metric, no fittings (1)	--	1 3/4"	3/4"	0.65
304760A	1" NPT Male	4 5/32"		1 1/8"	2.0
304769A	1" SWT	3 29/32"			1.6
304763A	1" NPT Female	3 29/32"			1.7
304766A	1" press	5 29/32"			2.1
304770A	1 1/4" NPT Male	5 13/32"			2.0
304779A	1 1/4" SWT	3 13/32"			1.6
304773A	1 1/4" NPT Female	5 13/32"			1.9
304776A	1 1/4" press	7 29/32"			2.4
NA30478A	2 1/2" metric, no fittings (1)	--	2 9/32"	1 1/4"	2.0
304780A	1 1/2" NPT Male	6 29/32"		1 3/4"	5.4
304789A	1 1/2" SWT	6 21/32"			4.8
304786A	1 1/2" press	7 29/32"			5.6
304790A	2" NPT Male	6 29/32"			5.5
304799A	2" SWT	5 13/32"			5.0
304793A	2" NPT Female	5 21/32"			5.7
304796A	2" press	10 29/32"			7.6

We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice. Contractors should request production drawings if prefabricating the system

Job name	_____	Size	_____
Job location	_____	Quantity	_____
Engineer	_____	Approval	_____
Mechanical contractor	_____	Service	_____
Contractor's P.O. No.	_____	Tag No.	_____
Representative	_____	Notes	_____