



Circulator Isolation Flanges

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Armstrong Series CIF Circulator Isolation Flanges

Armstrong Circulator Isolation Flanges (CIF) are used in pairs to connect circulating pumps in hydronic systems. These devices rapidly isolate a circulator to be serviced, and eliminate the need to drain and refill the entire system. The CIF integrates a 2-bolt flange connection (common to small circulating pumps) with a full-port ball valve. This practical "all-in-one" design reduces the number of plumbing connections and results in a more reliable, economical and easily-serviced hydronic system.

► Features and Benefits

Compact Durable Design

- Enables pump isolation for easy servicing
- Fits most flanged circulators
- Corrosion-resistant brass body and flange
- Dual Buna N O-ring seals prevent stem leaks
- ¼ turn open/close lever-style handle
- Available in ½", ¾", 1", 1¼" and 1½" sizes
- NPT and sweat connections

Easy to Install

- Slotted flange bolt holes
- Includes mounting nuts and bolts
- Saves time and money

Full Port Design

- Ensures minimum system resistance contribution
- Provides "bubble-tight" shut-off when closed

► Dimensions and Weights

Model	Size	Type	A	B	C	D	E	F	G	Weight
CIF-050T	½" (DN15)	NPT	2.00 (51)	2.70 (69)	3.70 (94)	4.63 (117)	3.18 (81)	3.41 (87)	0.53 (14)	1.35 (0.61)
CIF-075T	¾" (DN20)	NPT	2.50 (64)	2.70 (69)	3.70 (94)	4.63 (117)	3.18 (81)	3.41 (87)	0.53 (14)	1.55 (0.70)
CIF-100T	1" (DN25)	NPT	3.00 (76)	2.70 (69)	3.70 (94)	4.63 (117)	3.18 (81)	3.41 (87)	0.53 (14)	2.00 (0.91)
CIF-125T	1¼" (DN32)	NPT	3.25 (83)	2.70 (69)	5.43 (138)	4.63 (117)	3.18 (81)	3.41 (87)	0.53 (14)	2.50 (1.13)
CIF-150T	1½" (DN40)	NPT	3.50 (89)	2.70 (69)	5.43 (138)	4.63 (117)	3.18 (81)	3.41 (87)	0.53 (14)	3.20 (1.45)
CIF-050S	½" (DN15)	Sweat	2.00 (51)	2.70 (69)	3.70 (94)	4.63 (117)	3.18 (81)	3.41 (87)	0.53 (14)	1.35 (0.61)
CIF-075S	¾" (DN20)	Sweat	2.50 (64)	2.70 (69)	3.70 (94)	4.63 (117)	3.18 (81)	3.41 (87)	0.53 (14)	1.55 (0.70)
CIF-100S	1" (DN25)	Sweat	3.00 (76)	2.70 (69)	3.70 (94)	4.63 (117)	3.18 (81)	3.41 (87)	0.53 (14)	2.00 (0.91)
CIF-125S	1¼" (DN32)	Sweat	3.25 (83)	2.70 (69)	5.43 (138)	4.63 (117)	3.18 (81)	3.41 (87)	0.53 (14)	2.50 (1.13)
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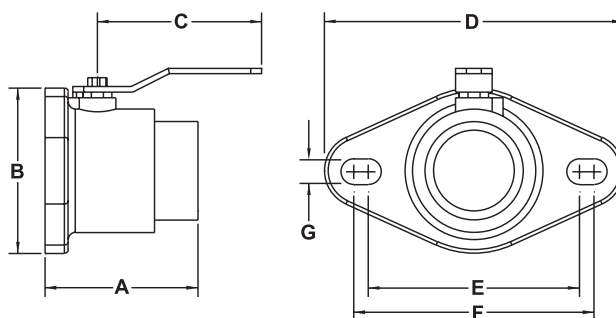
Note: All dimensions are in inches (mm) and weights in lbs. (kg)

► Technical Data

Max. Working Pressure: 150 psig (10.3 bar)
Max. Operating Temperature: 250°F (121°C)

► Materials of Construction

Valve Body and Flange: Brass
Stem: Brass
Ball: Chrome plated brass
Stem O-Rings: Buna N
Seat: PTFE



► Typical Specification

Furnish and install, as shown on plans and in accordance with manufacturer's installation instructions, Armstrong Series CIF Isolation Flanges. The Circulator Isolation Flange shall be a full-port isolation valve with an integral flanged connection for the circulating pump. The flanged connection shall feature slotted holes. The Circulator Isolation Flange shall be constructed with brass body and flange, chrome plated brass ball, PTFE seat, dual Buna N O-ring seals and a lever-style handle.

EXPERIENCE BUILDING...

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