

Freedom Flanges Bronze Half-Unions

- Taco's new flanges fit all "00" circulators, and free you from scraped knuckles and jury-rigged tools of yesteryear! Their Easy-On / Easy-Off and sweat designs and two-piece bronze shut-off valves make quick work of pump installation and maintenance.
- New bronze half-unions and shut-off unions allow for easy install and service of Taco's 003 & 006 Union Connection models. Available in 1/2" and 3/4", threaded or sweat connections.



HYDRONIC COMPONENTS & SYSTEMS

**Do it once.
Do it right.™** 

Submittal Data Information

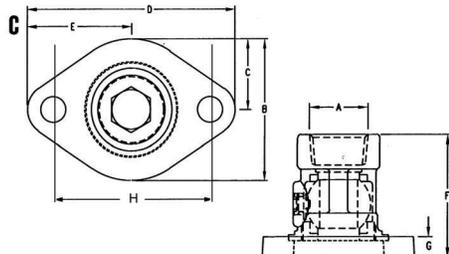
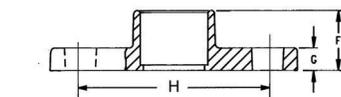
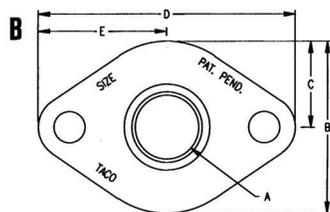
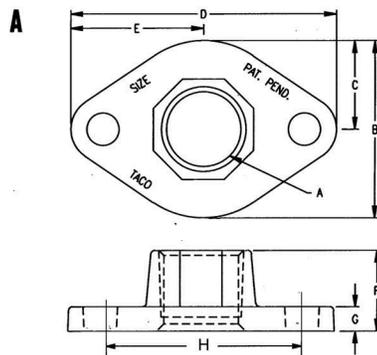
Freedom Flanges

At last, freedom from scraped knuckles and jury-rigged tools. Taco's new flanges give you lots of ways to make quick work of your installation:

- Fits All "00" circulators
- Easy-On, Easy-Off with a common Adjustable Wrench
- Available in Ductile Iron (stronger than cast iron), 3/4" - 2" Bronze Threaded, 3/4" - 2" Bronze Sweat, 1/2" - 1-1/2"

"00" Shut-Off Flanges

- 2-Piece Design
- 1/4" Steel Flange - Won't Bend or Crack
- Dual Teflon Seated Solid Brass Ball
- Upgraded Stem Seal
- Available in 3/4", 1", 1-1/4" Threaded Connections



Ductile Iron Freedom Flanges

Ductile Iron Freedom Flange Sets (005, 007-0011, 0013, 0014, 110-113)

Figure	Product #	Size A	B	C	D	E	F	G	H
A	110-251F	3/4" NPT	2-3/4"	1-3/8"	4-1/8"	2-1/16"	1-1/4"	3/8"	3-1/8"
A	110-252F	1" NPT	2-3/4"	1-3/8"	4-1/8"	2-1/16"	1-1/4"	3/8"	3-1/8"
A	110-253F	1-1/4" NPT	2-3/4"	1-3/8"	4-1/8"	2-1/16"	1-7/16"	3/8"	3-1/8"
A	110-254F	1-1/2" NPT	2-3/4"	1-3/8"	4-1/8"	2-1/16"	1-7/16"	3/8"	3-1/8"

0012 Ductile Iron Freedom Flange Sets (Directly Replaces HV Series Circulators)*

Figure	Product #	Size A	B	C	D	E	F	G	H
A	194-1540F	1-1/4" NPT	2-15/16"	1-15/32"	4-3/4"	2-3/8"	1-9/16"	9/16"	3-7/16"
A	194-1542F	1-1/2" NPT	2-15/16"	1-15/32"	4-3/4"	2-3/8"	1-9/16"	9/16"	3-7/16"

* 1-1/2" Flange set included in each 0012-F4 box.

0012 Ductile Iron Freedom Flange Sets (Directly Replaces 2" Series Circulators)**

Figure	Product #	Size A	B	C	D	E	F	G	H
A	194-1543F	1-1/2" NPT	3-5/8"	1-13/16"	5-9/16"	2-25/32"	1-3/4"	1/2"	4-1/8"
A	194-2124F	2" NPT	3-5/8"	1-13/16"	5-9/16"	2-25/32"	1-3/4"	1/2"	4-1/8"

** 2" Flange set included in each 0012-F4-1 box.

Bronze Freedom Flanges

Bronze Threaded Freedom Flange Sets (005, 007-0011, 0013, 0014, 110-113)

Figure	Product #	Size A	B	C	D	E	F	G	H
A	110-251BF	3/4" NPT	2-3/4"	1-3/8"	4-1/8"	2-1/16"	1-1/4"	3/8"	3-1/8"
A	110-252BF	1" NPT	2-3/4"	1-3/8"	4-1/8"	2-1/16"	1-1/4"	3/8"	3-1/8"
A	110-253BF	1-1/4" NPT	2-3/4"	1-3/8"	4-1/8"	2-1/16"	1-7/16"	3/8"	3-1/8"
A	110-254BF	1-1/2" NPT	2-3/4"	1-3/8"	4-1/8"	2-1/16"	1-7/16"	3/8"	3-1/8"

0012 Bronze Threaded Freedom Flange Sets (Directly Replaces HV Series Circulators)***

Figure	Product #	Size A	B	C	D	E	F	G	H
A	194-1540BF	1-1/4" NPT	2-15/16"	1-15/32"	4-3/4"	2-3/8"	1-9/16"	9/16"	3-7/16"
A	194-1542BF	1-1/2" NPT	2-15/16"	1-15/32"	4-3/4"	2-3/8"	1-9/16"	9/16"	3-7/16"

*** 1-1/2" Flange set included in each 0012-BF4 box.

0012 Bronze Freedom Flange Sets (Directly Replaces 2" Series Circulators)****

Figure	Product #	Size A	B	C	D	E	F	G	H
A	194-1543BF	1-1/2" NPT	3-5/8"	1-13/16"	5-9/16"	2-25/32"	1-3/4"	1/2"	4-1/8"
A	194-2124BF	2" NPT	3-5/8"	1-13/16"	5-9/16"	2-25/32"	1-3/4"	1/2"	4-1/8"

**** 2" Flange set included in each 0012-BF4-1 box.

Bronze Sweat Freedom Flange Sets (005, 007-0011, 0013, 0014, 110-113)

Figure	Product #	Size A	B	C	D	E	F	G	H
B	110-522BSF	1/2" Swt	2-3/4"	1-3/8"	4-1/8"	2-1/16"	7/8"	3/8"	3-1/8"
B	110-523BSF	3/4" Swt	2-3/4"	1-3/8"	4-1/8"	2-1/16"	7/8"	3/8"	3-1/8"
B	110-524BSF	1" Swt	2-3/4"	1-3/8"	4-1/8"	2-1/16"	1"	3/8"	3-1/8"
B	110-525BSF	1-1/4" Swt	2-3/4"	1-3/8"	4-1/8"	2-1/16"	1-1/8"	3/8"	3-1/8"
B	110-526BSF	1-1/2" Swt	2-3/4"	1-3/8"	4-1/8"	2-1/16"	1-1/4"	3/8"	3-1/8"

Bronze Shut-Off Freedom Flanges

2-Piece Bronze Shut-Off Freedom Flange Sets (005, 007-0011, 0013, 0014, 110-113)

Figure	Product #	Size A	B	C	D	E	F	G	H
C	254-2	3/4" NPT	2-3/4"	1-3/8"	4-1/8"	2-1/16"	2-3/16"	3/8"	3-1/8"
C	255-2	1" NPT	2-3/4"	1-3/8"	4-1/8"	2-1/16"	2-3/16"	3/8"	3-1/8"
C	256-2	1-1/4" NPT	2-3/4"	1-3/8"	4-1/8"	2-1/16"	2-5/16"	3/8"	3-1/8"

Submittal Data Information

Bronze Half-Unions, Shut-Off Unions

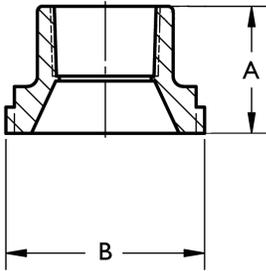
The perfect union! Marry up our new Bronze Half-Unions or Shut-Off Unions with Taco's 003 & 006 Union Connection models for an easy-to-service installation.

Features

- Fits all 003 & 006 Union Connection models
- Easy-to-Install, Easy-to-Service
- Available in 1/2" or 3/4" sizes
- Sweat, Threaded and Shut-off options



Threaded Half-Union

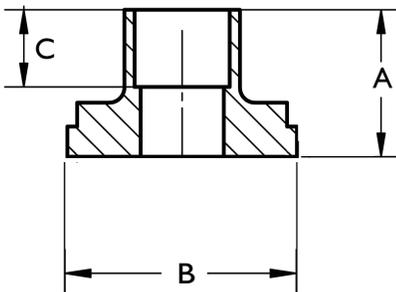


Bronze Half-Union Set

Product #	Size	A	B	C
110-556	1/2" NPT	15/16"	1-1/2"	—
110-557	3/4" NPT	15/16"	1-1/2"	—
110-558	1/2" Swt	15/16"	1-1/2"	1/2"
110-559	3/4" Swt	15/16"	1-1/2"	3/4"



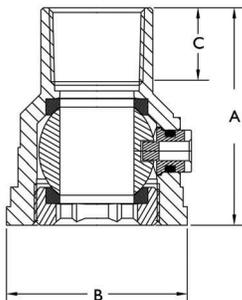
Sweat Half-Union



Bronze Shut-Off Union Set

Product #	Size	A	B	C
258-1	1/2" NPT	1-7/8"	1-1/2"	—
258-2	3/4" NPT	1-7/8"	1-1/2"	—
258-3	1/2" Swt	1-7/8"	1-1/2"	1/2"
258-4	3/4" Swt	1-7/8"	1-1/2"	3/4"

Bronze Shut-Off Union



Submittal Data # 100-069
Supersedes: 100-7.3 Dated: 10/1/02

Effective: 4/1/03

HYDRONIC COMPONENTS & SYSTEMS

Do it once.
Do it right.™  **Taco**®

Taco Inc., 1160 Cranston Street, Cranston, RI 02920 / (401) 942-8000 / Fax (401) 942-2360
Taco (Canada) Ltd., 6180 Ordan Drive, Mississauga, Ontario L5T 2B3 / (905) 564-9422 / Fax (905) 564-9436
www.taco-hvac.com