Shut-Off *freedom* Flange®

Taco's new Shut-Off *freedom* Flange® combines a full-port, ball valve and companion flange to isolate system circulators for easy removal and service, without draining the system. Simplify your next 00° circulator installation while saving material and labor costs. Solid brass uni-body construction, available in 1/2" – 1-1/2" NPT or Sweat connections.





©Taco Catalog # 100-31
Supersedes: 03/15/05
Effective Date: 09/19/06
Printed in USA

Submittal Data # 101-101 Supersedes: 03/15/05

Submittal Data Information Shut-Off freedom Flange[®]

Features

- Easy 1/4-turn Open/Close Operation
- Positive Shut-off, Leak Free Design
- Solid Brass Uni-Body Construction
- Chrome/Brass Valve Ball
- High Quality Teflon Seats
- Full Port Ball Valve For Unrestricted Flow
- 150# WP. 600 WOG
- Available Sizes: 1/2" 1-1/2" NPT

1/2" — 1-1/2" Sweat

• Includes Bolts, Nuts and Optional T-handle

Materials of Construction

Flange Body: Solid Brass

Valve Ball: Chrome Plated Brass

Packing Seal: Teflon® Valve Seat : Teflon® Valve Stem: Brass

Handle: Chrome Plated Steel/Vinyl Cover

Operating Data

Maximum WP = 150 psi / 600 WOG

Maximum Operating Temp: 240°F (115C°)

Companion Flanges for Taco® Circulator Models

Size	Model # NPT	Model # Sweat	Taco* Circulator Model #		
1/2"	242-1	242-2			
3/4"	243-1	243-2	006,005,007,008,009,0010		
1"	244-1	244-2	0011,0013,0014,00R		
1-1/4"	245-1	245-2	110,111,112,113		
1-1/2"	246-1	246-2	1400-10,1400-20,1400-50		
1-1/4"	247-1	247-2	0012F4		
1-1/2"	248-1	248-2	1400-30, 1400-40		

Application

The Taco Shut-Off *freedom* Flange® is a combination full port shut-off ball valve and companion flange for most Taco circulators. The simple quarter turn, lever handle operation allows for easy isolation, removal and service of circulators without draining the system. Each flange set includes bolts, nuts and optional T-handles. Available in sizes 1/2" to 1-1/2", NPT and Sweat connections, rated for 240°F, 150# WP/600WOG.

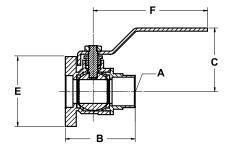
Dimensions & Weights

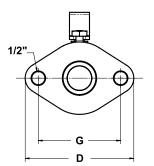
Model #	Α	В	С	D	E	F	G	Wt./Set
	Size	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	lbs. (kg)
242-1	I/2" NPT	2 (51)	2 (51)	4-1/8 (105)	2-3/4 (70)	3-7/8 (98)	3-1/8 (79)	2.5 (1.1)
243-1	3/4" NPT	2-1/4 (57)	2 (51)	4-1/8 (105)	2-3/4 (70)	3-7/8 (98)	3-1/8 (79)	3.0 (1.4)
244-1	I" NPT	2-1/2 (64)	2-1/2 (64)	4-1/8 (105)	2-3/4 (70)	4-1/2 (114)	3-1/8 (79)	3.5 (1.6)
245-1	I-1/4" NPT	2-3/4 (70)	2-7/8 (73)	4-1/8 (105)	2-3/4 (70)	4-1/2 (114)	3-1/8 (79)	4.0 (1.8)
246-1	I-1/2" NPT	3-7/8 (98)	3-1/2 (89)	4-1/8 (105)	2-3/4 (70)	5-1/2 (140)	3-1/8 (79)	5.2 (2.3)
247-1	I-I/4" NPT*	2-3/4 (70)	2-7/8 (73)	4-1/2 (114)	3 (76)	4-1/2 (114)	3-1/2 (89)	4.7 (2.1)
248-1	I-I/2" NPT*	3-7/8 (98)	3-1/2 (89)	4-1/2 (114)	3 (76)	5-1/2 (140)	3-1/2 (89)	6.9 (3.1)
242-2	1/2" Swt.	2 (51)	2 (51)	4-1/8 (105)	2-3/4 (70)	3-7/8 (98)	3-1/8 (79)	2.5 (1.1)
243-2	3/4" Swt.	2-1/2 (64)	2 (51)	4-1/8 (105)	2-3/4 (70)	3-7/8 (98)	3-1/8 (79)	3.0 (1.4)
244-2	I" Swt.	2-3/4 (70)	2-1/2 (64)	4-1/8 (105)	2-3/4 (70)	4-1/2 (114)	3-1/8 (79)	3.5 (1.6)
245-2	I-1/4" Swt.	3 (76)	2-3/4 (70)	4-1/8 (105)	2-3/4 (70)	4-1/2 (114)	3-1/8 (79)	4.0 (1.8)
246-2	I-1/2" Swt.	4-1/8 (105)	3-1/2 (89)	4-1/8 (105)	2-3/4 (70)	5-1/2 (140)	3-1/8 (79)	6.0 (2.7)
247-2	I-I/4" Swt.*	3 (76)	2-3/4 (70)	4-1/2 (114)	3 (76)	4-1/2 (114)	3-1/2 (89)	4.7 (2.1)
248-2	I-1/2" Swt.*	4-1/8 (105)	3-1/2 (89)	4-1/2 (114)	3 (76)	5-1/2 (140)	3-1/2 (89)	6.9 (3.1)

^{* 247} and 248 series flanges fit 0012-F4 and 1400-30/40 circulators.

Dimensions and weights are approximate

Effective: 09/19/06









¹Teflon is a Trademark of El Dupont de Nemours, Inc.