

### 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.



# 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®<sup>1</sup>  
Valve Seat : Teflon®  
Valve Stem: Brass  
Handle: Chrome Plated Steel/Vinyl Cover

<sup>1</sup>Teflon is a Trademark of El Dupont de Nemours, Inc.

## Operating Data

Maximum WP = 150 psi / 600 WOG  
Maximum Operating Temp: 240°F (115°C)

## 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 #	A Size	B in (mm)	C in (mm)	D in (mm)	E in (mm)	F in (mm)	G in (mm)	Wt./Set lbs. (kg)
242-1	1/2" 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	1" 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	1-1/4" 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	1-1/2" 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	1-1/4" 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	1-1/2" 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	1" 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	1-1/4" 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	1-1/2" 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	1-1/4" 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	1-1/2" 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.

## Companion Flanges for Taco® Circulator Models

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

