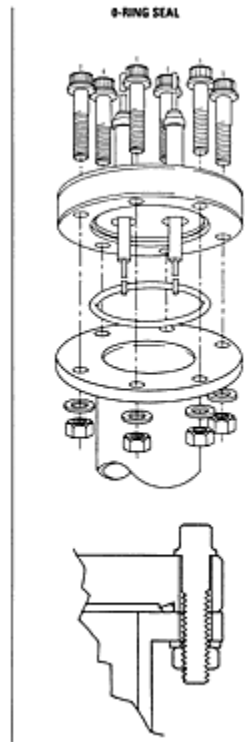
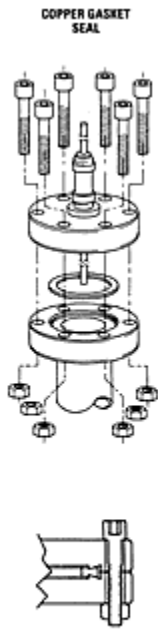


Installation | Conflat® Flange



Viton® O-Ring Seal Flange to Flange

Flange Dia.	O-Ring Cross Section	Parker O-Ring Cat. No.
1.33	.103 Dia.	2-114
2.75	.139 Dia.	2-223
3.38	.139 Dia.	2-227
4.50	.139 Dia.	2-234
6.00	.139 Dia.	2-246
8.00	.139 Dia.	2-260
10.00	.139 Dia.	2-268

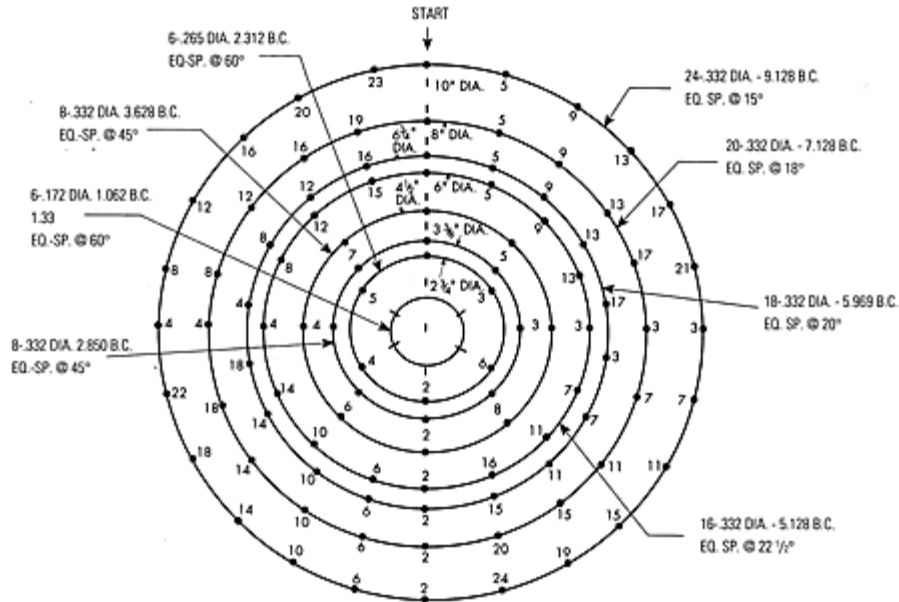
Viton® O-Ring Seal Flange to Flat Plate

Flange Dia.	O-Ring Cross Section	Parker O-Ring Cat. No.
1.33	.070 dia.	2-17
2.75	.103 dia.	2-130
3.38	.103 dia.	2-139
4.50	.103 dia.	2-151
6.00	.103 dia.	2-157
8.00	.103 dia.	2-165
10.00	.103 dia.	2-173

Conflat Flange Assembly

- Finger-tighten all flange bolts, being certain they are all evenly tightened.
- Torque the bolts using the torque pattern shown in the diagram below in incremental steps with the final value being the value listed in the table.

Tightening Sequence and Bolt Hole Layout



Schematic of bolt-hole locations, 1.33 in., 2-3/4 in., 3-3/8 in., 4-1/2 in., 6 in., 6-3/4 in., 8 in., 10 in. ultra-high-vacuum bakeable flanges numbered in sequence for completing seal.

Flange Bolt and Torque Data

Lubricated Bolt Torque	Bolt Dia/thd	Flange Size (OD in.) and Number of Bolts						
		2 3/4	3 3/6	4 1/2	6	6 3/4	8	10
80in.-lb (7ft-lb) to 100in.-lb max	1/4 in.-20	6	-	-	-	-	-	-
120in.-lb (10ft-lb) to 150 in.-lb max	5/16 in.-18	-	8	8	16	18	20	24