

Drip Ring

Type PFR

Application

Drip Rings (sometimes known as Flushing Rings) are commonly used in applications where Plugging may occur or where in-situ calibration is required without removing the instrument from the process.

Configuration

Drip Rings can be supplied with either 1 or 2 ports.
Drip Rings are fitted between Flange seals and flanged process connections.

Process Connection

ANSI in all ratings
ANSI RJT in all ratings
Din in all ratings from Pn 10
JIS in all ratings from 10K
Table in all ratings from E
Others available upon request.

Port Connection

¼" NPT
½" NPT
¾" NPT

Construction

One piece Machined from

Wetted Materials

316L Stainless Steel
Hastelloy C-276
304 Stainless Steel
Monel 400
Titanium
Other materials available upon request.

Process Temperature Limits

Refer to flange rating.

Dimensional Drawings

Refer to Dimensional Drawings.



How to Order - Type PFR

Pressure Flushing Ring

PFR = Pressure Flushing Ring

Connection Type

AR = ANSI **Note: In Connection Rating only use option 1 for 150lb to 600lb & option 2 for 900lb to 2500lb**

DN = Din

TB = Table

JI = JIS

RT = ANSI RTJ

Connection Size

08 = 1"

16 = 2"

24 = 3"

32 = 4"

XX = Special

Connection Rating

1 = 150lb (ANSI RTJ), (150lb to 600lb ANSI), 5K (JIS), E (Table)

2 = 300lb (ANSI RTJ), (900 to 2500lb ANSI), Pn 10-16 (Din), 10K (JIS), F (Table)

3 = 600lb (ANSI RTJ), Pn 25-63 (Din), 16K (JIS), H (Table)

4 = 900lb (ANSI RTJ), 20K (JIS), J (Table)

5 = 1500lb (ANSI RTJ), Pn 100-160 (Din), 30K (JIS), K (Table)

6 = 2500lb (ANSI RTJ), R (Table)

Wetted Parts

S = 316L Stainless Steel

A = 304 Stainless Steel

H = Hastelloy C-276

M = Monel 400

I = Titanium

X = Special

Flushing Ports

1 = 1x ¼" NPT Port

2 = 2x ¼" NPT Ports

3 = 1x ½" NPT Port

4 = 2x ½" NPT Ports

5 = 1x ¾" NPT Port

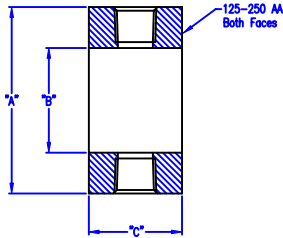
6 = 2x ¾" NPT Ports



Model PFR

Flushing Ring

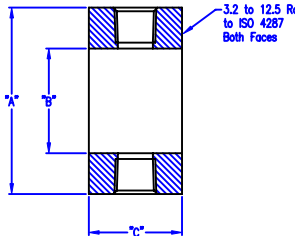
Model FRAR
to ASME B16.5:2003



1/4" & 1/2" Ports				
Size	Rating	"A"	"B"	"C"
1"	#150-#600	51.0	25.0	30.0
	#900-#2500			40.0
2"	#150-#600	92.1	62.0	30.0
	#900-#2500			40.0
3"	#150-#600	127.0	90.0	30.0
	#900-#2500			40.0
4"	#150-#600	157.2	115.0	30.0
	#900-#2500			40.0

3/4" Ports				
Size	Rating	"A"	"B"	"C"
2"	#150-#600	92.1	62.0	40.0
	#900-#2500			50.0
3"	#150-#600	127.0	90.0	40.0
	#900-#2500			50.0
4"	#150-#600	157.2	62.0	40.0
	#900-#2500			50.0

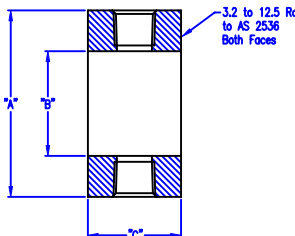
Model FRDN
to BS EN 1092-1:2007



1/4" & 1/2" Ports				
Size	Rating	"A"	"B"	"C"
DN25	PN10-63	45.0	25.0	30.0
	PN100-160			40.0
DN50	PN10-63	102.0	60.0	30.0
	PN100-160			40.0
DN80	PN10-63	138.0	90.0	30.0
	PN100-160			40.0
DN100	PN10-16	158.0	110.0	30.0
	PN63			40.0
	PN100-160			40.0

3/4" Ports				
Size	Rating	"A"	"B"	"C"
DN50	PN10-63	102.0	60.0	50.0
	PN100-160			50.0
DN80	PN10-63	138.0	90.0	50.0
	PN100-160			50.0
DN100	PN10-16	158.0	110.0	50.0
	PN63			50.0
	PN100-160			50.0

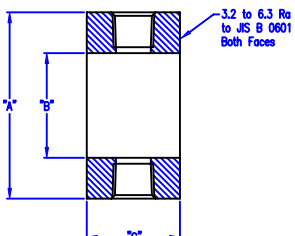
Model FRTB
to As 2129:2000



1/4" & 1/2" Ports				
Size	Rating	"A"	"B"	"C"
DN25	Table E-F	63.0	25.0	30.0
	Table H-J			
	Table K-R			
DN50	Table E	103.0	60.0	30.0
	Table F			
	Table H-R			
DN80	Table E	141.0	90.0	30.0
	Table F			
	Table H-R			
DN100	Table E	167.0	110.0	40.0
	Table F			
	Table H-R			

3/4" Ports				
Size	Rating	"A"	"B"	"C"
DN50	Table E	103.0	60.0	40.0
	Table F			
	Table H-R			
DN80	Table E	141.0	90.0	40.0
	Table F			
	Table H-R			
DN100	Table E	167.0	110.0	50.0
	Table F			
	Table H-R			

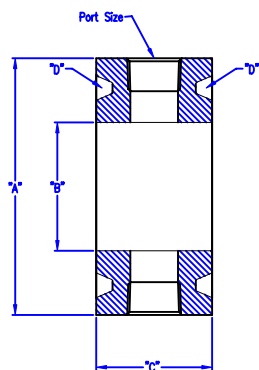
Model FRJI
to JIS B 2220:2004



1/4" & 1/2" Ports				
Size	Rating	"A"	"B"	"C"
DN25	5K	67.0	25.0	30.0
	10K-20K			
	30K			
DN50	5K	105.0	65.0	30.0
	10K-20K			
	30K			
DN80	5K	140.0	90.0	30.0
	10K			
	16K-20K			
	30K			
DN100	5K	151.0	115.0	40.0
	10K			
	16K-30K			

3/4" Ports				
Size	Rating	"A"	"B"	"C"
DN50	5K	105.0	65.0	40.0
	10K-20K			
	30K			
DN80	5K	140.0	90.0	50.0
	10K			
	16K-20K			
	30K			
DN100	5K	151.0	115.0	50.0
	10K			
	16K-30K			

Model FRRT
to ASME B16.5:2003



1/4" & 1/2" Ports					
Size	Rating	"A"	"B"	"C"	"D"
1"	#150	33.0	46.0	46.0	R15
	#300/#600				R16
	#900/#1500				R16
	#2500				R18
2"	#150	62.0	46.0	46.0	R22
	#300				R23
	#600				R23
	#900/1500				R24
	#2500				R26
	#150				R29
3"	#300	92.0	50.0	50.0	R31*
	#600				R31*
	#900				R31
	#1500				R35
	#2500				R32
	#150				R36
4"	#300	115.0	60.0	60.0	R37
	#600				R37
	#900				R37
	#1500				R39
	#2500				R38
	#150				R36
	#300				R37

3/4" Ports					
Size	Rating	"A"	"B"	"C"	"D"
2"	#150	62.0	56.0	56.0	R22
	#300				R23
	#600				R23
	#900/1500				R24
	#2500				R26
	#150				R29
3"	#300	92.0	60.0	60.0	R31*
	#600				R31*
	#900				R31
	#1500				R35
	#2500				R32
	#150				R36
4"	#300	115.0	70.0	70.0	R36
	#600				R37
	#900				R37
	#1500				R39
	#2500				R38
	#150				R36
	#300				R37

* For ring Joints with lapped flanges
#300 & #600 use Ring/Groove No. 30 instead of 31