

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

1/4" NPT
1/2" NPT
3/4" NPT

Construction

Machined out of bar stock.

Wetted Materials

316/316L Dual Certified Stainless Steel (standard)
Other materials available upon request.

Process Temperature Limits

Refer to flange rating.

Dimensional Drawings

Refer to Dimensional Drawings.



General Specifications



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 = 316/316L Dual Certified 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

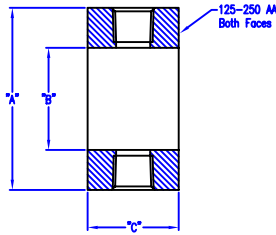
5 = 1x ¾" NPT Port

6 = 2x ¾" NPT Ports



Model PFR Flushing Ring

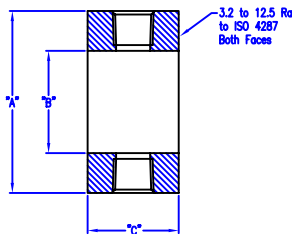
Model FRAR
to ASME B16.5:2003



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	114.3	40.0
	#900-#2500			50.0

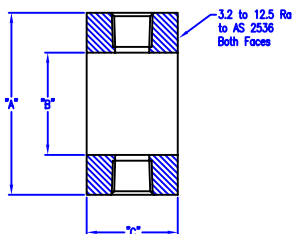
Model FRDN
to BS EN 1092-1:2007



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			
DN80	PN10-63	138.0	90.0	50.0
	PN100-160			
DN100	PN10-16	158.0	110.0	50.0
	PN63			
	PN100-160			

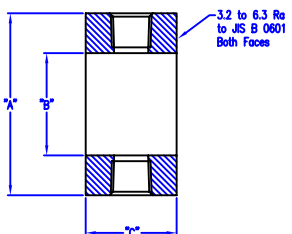
Model FRTB
to AS 2129:2000



1/4" & 1/2" Ports				
Size	Rating	"A"	"B"	"C"
DN25	Table E-F	63.0	25.0	30.0
	Table H-J			64.0
	Table K-R			76.0
DN50	Table E	90.0	60.0	30.0
	Table F			103.0
	Table H-R			102.0
DN80	Table E	122.0	90.0	30.0
	Table F			141.0
	Table H-R			127.0
DN100	Table E	154.0	110.0	40.0
	Table F			167.0
	Table H-R			152.0

3/4" Ports				
Size	Rating	"A"	"B"	"C"
DN50	Table E	90.0	60.0	40.0
	Table F			103.0
	Table H-R			102.0
DN80	Table E	122.0	90.0	40.0
	Table F			141.0
	Table H-R			127.0
DN100	Table E	154.0	110.0	50.0
	Table F			167.0
	Table H-R			152.0

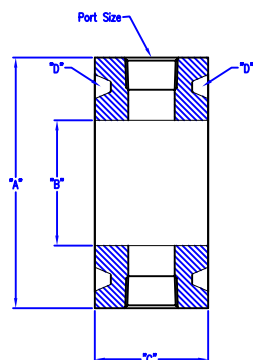
Model FRJI
to JIS B 2220:2004



1/4" & 1/2" Ports				
Size	Rating	"A"	"B"	"C"
DN25	5K	67.0	25.0	30.0
	10K-20K			67.0
	30K			70.0
DN50	5K	85.0	65.0	30.0
	10K-20K			96.0
	30K			105.0
DN80	5K	121.0	90.0	30.0
	10K			126.0
	16K-20K			132.0
DN100	5K	140.0	115.0	40.0
	10K			141.0
	16K-30K			160.0

3/4" Ports				
Size	Rating	"A"	"B"	"C"
DN50	5K	85.0	65.0	40.0
	10K-20K			96.0
	30K			105.0
DN80	5K	121.0	90.0	50.0
	10K			126.0
	16K-20K			132.0
DN100	5K	140.0	115.0	50.0
	10K			141.0
	16K-30K			160.0

Model FRRT
to ASME B16.5:2003



1/4" & 1/2" Ports						
Size	Rating	"A"	"B"	"C"	"D"	
1"	#150	63.5	33.0	46.0		R15
	#300/#600					R16
	#900/#1500					R16
	#2500					R18
2"	#150	102.0	62.0	46.0		R22
	#300					R23
	#600					R23
	#900/1500					R24
	#2500					R26
	#150					134.0
#300	R31*					
#600	R31*					
#900	R31					
#1500	R35					
#2500	R32					
4"	#150	172.0	115.0	60.0		R36
	#300					R37
	#600					R37
	#900					R37
	#1500					R39
	#2500					R38

3/4" Ports						
Size	Rating	"A"	"B"	"C"	"D"	
2"	#150	102.0	62.0	56.0		R22
	#300					R23
	#600					R23
	#900/1500					R24
	#2500					R26
3"	#150	134.0	92.0	60.0		R29
	#300					R31*
	#600					R31*
	#900					R31
	#1500					R35
	#2500					R32
4"	#150	172.0	115.0	70.0		R36
	#300					R37
	#600					R37
	#900					R37
	#1500					R39
	#2500					R38

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