

STAINLESS STEEL GENERAL PURPOSE



Operating Parameters

Media	Water, Steam, Hot Oil, Air
Pressure	750 PSI (Water), 120 PSI (Steam) 100 PSI (Hot Oil), 300 PSI (Air)
Temperature	300° F (Water), 350° F (Steam) 395° F (Hot Oil)
Speed	1,000 RPM (NPT), 3600 RPM (MT)
Threads	<ul style="list-style-type: none"> • 1/4" to 2" NPT • BSP, BSPP & Metric Threads Available
Material	300 Grade Stainless Steel
Configuration Options	Mono Flow and Dual Flow Configurations Available

Features & Benefits

Corrosion Resistant

300 Grade stainless steel construction for superior corrosion resistance.

Long Service Life

Two precision bearings keep the 5000 Series seal faces perfectly aligned to extend the life of the 5000 Series Rotary Union.

Dual Flow Option

With the addition of an elbow, the 5000 Series can become dual flow.

Balanced Mechanical Seal Design

The balanced mechanical seal design of the 5000 series allows for optimal operation with a wide variety of media.

Replaceable Cartridge

Integrated cartridge design makes repairs fast and easy, reducing maintenance costs.

Multiple Seal Design Options

All sizes are available with three seal options for better wear resistance.

• 5000 Series Standard

Carbon graphite seal ring against a ceramic coated steel seal design offers long life.

• 5000 T Series (consult factory)

Carbon graphite seal ring against a tungsten carbide face ring design will offer longer wear life where dirty media is used.

• 5000 ASM Series (consult factory)

The tungsten carbide face ring against a siliconized graphite seal ring design is used for abrasive applications.

Type 5800 (mono flow)

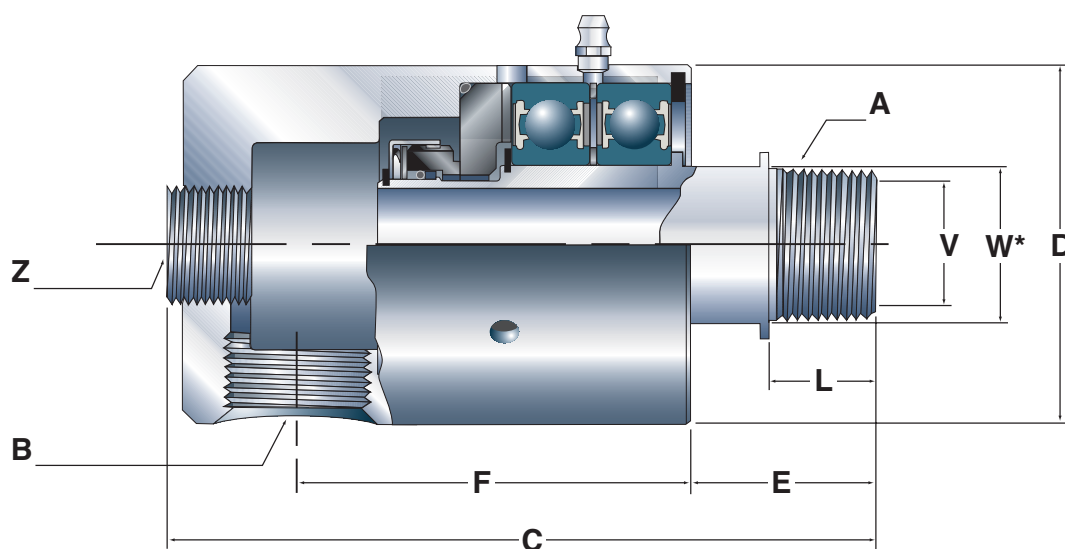
Ref 5800 : carbon graphite seal ring against a ceramic coated steel seal

Ref 5800T : carbon graphite seal ring against a tungsten carbide face ring

Ref 5800A : tungsten carbide face ring against a siliconized graphite seal ring

on request:

Thread A: NPT - BSPP - METRIQUE - UNF / Thread B: NPT



A BSP	Thread	Reference 5800	Reference 5800T	Reference 5800A	B BSPP (Right Hand)	C	D	E	F	L	V	W	Z NPT
1/4"	BSP (Right Hand)	5813I-GD-FJD	5813IT-GD-FJD	5813IA-GD-FJD	1/4"	102	40	32	58	16	35	16	3/8"
1/4"	BSP (Left Hand)	5813I-GG-FJD	5813IT-GG-FJD	5813IA-GG-FJD	1/4"	102	40	32	58	16	35	16	3/8"
3/8"	BSP (Right Hand)	5817I-GD-FJD	5817IT-GD-FJD	5817IA-GD-FJD	3/8"	102	40	32	58	16	9,5	16	3/8"
3/8"	BSP (Left Hand)	5817I-GG-FJD	5817IT-GG-FJD	5817IA-GG-FJD	3/8"	102	40	32	58	16	9,5	16	3/8"
1/2"	BSP (Right Hand)	5821I-GD-FJD	5821IT-GD-FJD	5821IA-GD-FJD	1/2"	121	52	32	69	19	12,7	23	3/8"
1/2"	BSP (Left Hand)	5821I-GG-FJD	5821IT-GG-FJD	5821IA-GG-FJD	1/2"	121	52	32	69	19	12,7	23	3/8"
1/2"	Flange (I)	5821I-B-FJD	5821IT-B-FJD	5821IA-B-FJD	1/2"	121	52	32	69	19	12,7	-	3/8"
3/4"	BSP (Right Hand)	5827I-GD-FJD	5827IT-GD-FJD	5827IA-GD-FJD	3/4"	133	59	36	76	19	17,5	32	1/2"
3/4"	BSP (Left Hand)	5827I-GG-FJD	5827IT-GG-FJD	5827IA-GG-FJD	3/4"	133	59	36	76	19	17,5	32	1/2"
3/4"	Flange (I)	5827I-B-FJD	5827IT-B-FJD	5827IA-B-FJD	3/4"	133	59	36	76	19	17,5	-	1/2"
1"	BSP (Right Hand)	5834I-GD-FJD	5834IT-GD-FJD	5834IA-GD-FJD	1"	157	79	41	87	24	25,4	35	3/4"
1"	BSP (Left Hand)	5834I-GG-FJD	5834IT-GG-FJD	5834IA-GG-FJD	1"	157	79	41	87	24	25,4	35	3/4"
1"	Flange (I)	5834I-B-FJD	5834IT-B-FJD	5834IA-B-FJD	1"	157	79	41	87	24	25,4	-	3/4"
1 1/4"	BSP (Right Hand)	5842I-GD-FJD	5842IT-GD-FJD	5842IA-GD-FJD	1 1/4"	190	89	54	102	27	31,8	42	1"
1 1/4"	BSP (Left Hand)	5842I-GG-FJD	5842IT-GG-FJD	5842IA-GG-FJD	1 1/4"	190	89	54	102	27	31,8	42	1"
1 1/4"	Flange (I)	5842I-B-FJD	5842IT-B-FJD	5842IA-B-FJD	1 1/4"	190	89	54	102	27	31,8	-	1"
1 1/2"	BSP (Right Hand)	5849I-GD-FJD	5849IT-GD-FJD	5849IA-GD-FJD	1 1/2"	212	102	61	115	27	31,8	50	1 1/4"
1 1/2"	BSP (Left Hand)	5849I-GG-FJD	5849IT-GG-FJD	5849IA-GG-FJD	1 1/2"	212	102	61	115	27	31,8	50	1 1/4"
1 1/2"	Flange (I)	5849I-B-FJD	5849IT-B-FJD	5849IA-B-FJD	1 1/2"	212	102	61	115	27	31,8	-	1 1/4"
2"	BSP (Right Hand)	5860I-GD-FJD	5860IT-GD-FJD	5860IA-GD-FJD	2"	241	111	67	128	29	47,6	64	1 1/4"
2"	BSP (Left Hand)	5860I-GG-FJD	5860IT-GG-FJD	5860IA-GG-FJD	2"	241	111	67	128	29	47,6	64	1 1/4"
2"	Flange (I)	5860I-B-FJD	5860IT-B-FJD	5860IA-B-FJD	2"	241	111	67	128	29	47,6	-	1 1/4"

Type 5800 (mono flow)

Ref 5800 : carbon graphite seal ring against a ceramic coated steel seal

Ref 5800T : carbon graphite seal ring against a tungsten carbide face ring

Ref 5800A : tungsten carbide face ring against a siliconized graphite seal ring

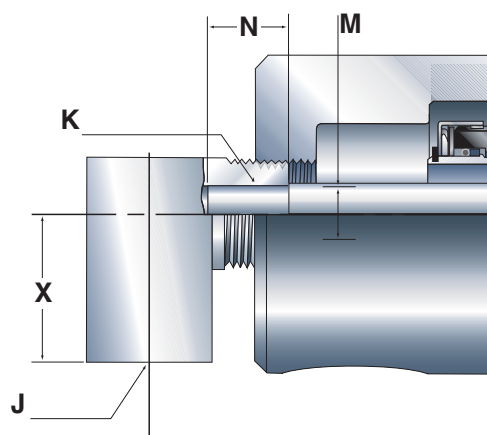
on request:

Thread A: NPT - BSPP - METRIQUE - UNF / Thread B: NPT

Type 5800 : Mono Llow

Type 5900 : Stationary Siphon

Type 5900-RS : Rotating Siphon



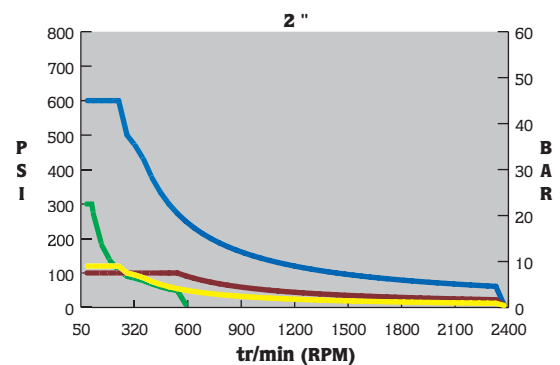
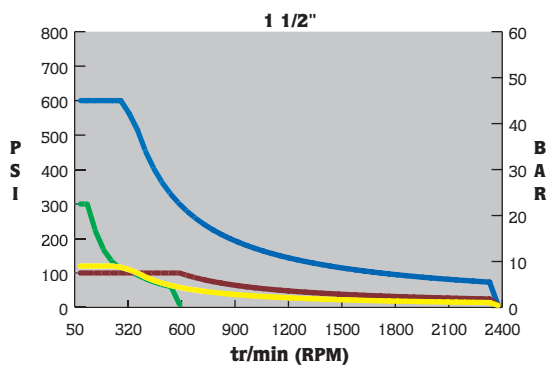
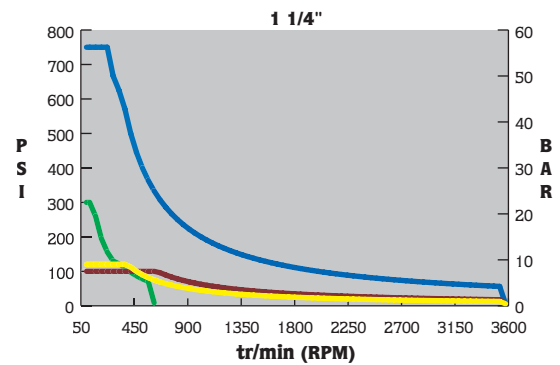
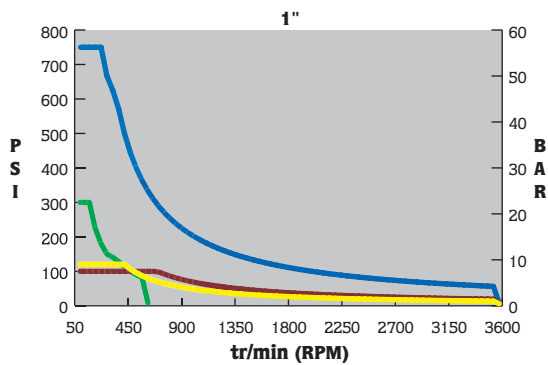
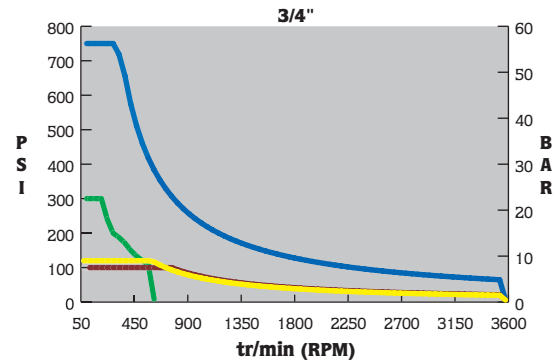
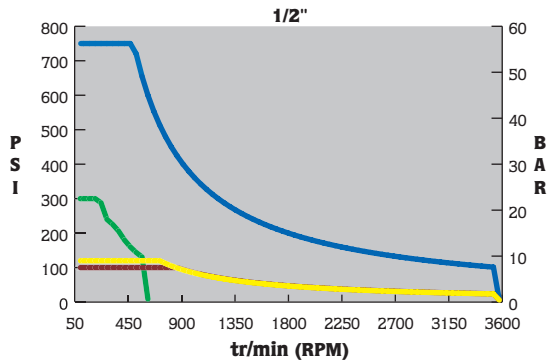
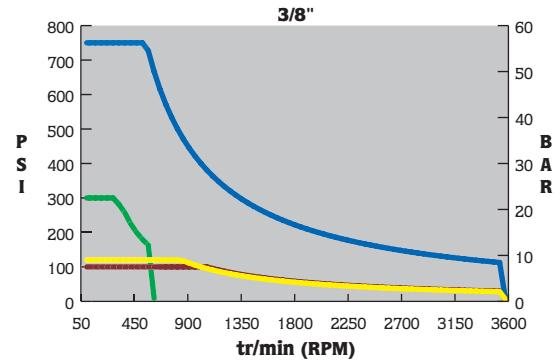
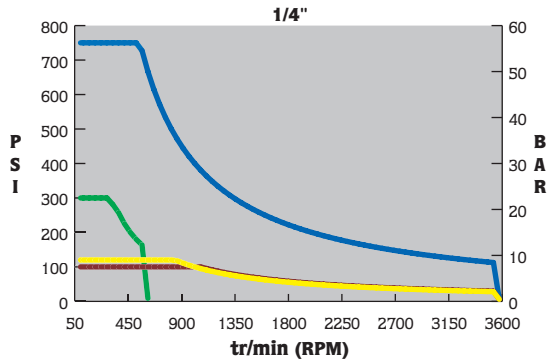
Cartridge

ø A	Thread	Reference 5800	Reference 5800T	Reference 5800A
1/4"	BSP (Right Hand)	CAR5813I-GD	CAR5813IT-GD	CAR5813IA-GD
1/4"	BSP (Left Hand)	CAR5813I-GG	CAR5813IT-GG	CAR5813IA-GG
3/8"	BSP (Right Hand)	CAR5817I-GD	CAR5817IT-GD	CAR5817IA-GD
3/8"	BSP (Left Hand)	CAR5817I-GG	CAR5817IT-GG	CAR5817IA-GG
1/2"	BSP (Right Hand)	CAR5821I-GD	CAR5821IT-GD	CAR5821IA-GD
1/2"	BSP (Left Hand)	CAR5821I-GG	CAR5821IT-GG	CAR5821IA-GG
1/2"	Flange	CAR5821I-QR	CAR5821IT-QR	CAR5821IA-QR
3/4"	BSP (Right Hand)	CAR5827I-GD	CAR5827IT-GD	CAR5827IA-GD
3/4"	BSP (Left Hand)	CAR5827I-GG	CAR5827IT-GG	CAR5827IA-GG
3/4"	Flange	CAR5827I-QR	CAR5827IT-QR	CAR5827IA-QR
1"	BSP (Right Hand)	CAR5834I-GD	CAR5834IT-GD	CAR5834IA-GD
1"	BSP (Left Hand)	CAR5834I-GG	CAR5834IT-GG	CAR5834IA-GG
1"	Flange	CAR5834I-QR	CAR5834IT-QR	CAR5834IA-QR
1 1/4"	BSP (Right Hand)	CAR5842I-GD	CAR5842IT-GD	CAR5842IA-GD
1 1/4"	BSP (Left Hand)	CAR5842I-GG	CAR5842IT-GG	CAR5842IA-GG
1 1/4"	Flange	CAR5842I-QR	CAR5842IT-QR	CAR5842IA-QR
1 1/2"	BSP (Right Hand)	CAR5849I-GD	CAR5849IT-GD	CAR5849IA-GD
1 1/2"	BSP (Left Hand)	CAR5849I-GG	CAR5849IT-GG	CAR5849IA-GG
1 1/2"	Flange	CAR5849I-QR	CAR5849IT-QR	CAR5849IA-QR
2"	BSP (Right Hand)	CAR5860I-GD	CAR5860IT-GD	CAR5860IA-GD
2"	BSP (Left Hand)	CAR5860I-GG	CAR5860IT-GG	CAR5860IA-GG
2"	Flange	CAR5860I-QR	CAR5860IT-QR	CAR5860IA-QR

Elbows for Stationary Siphon Systems

ø A	Model 5800	Elbows for dual flow	X	J (BSP)	K	ø M	N
1/4"	5813I-GD	CC5913-GD	27	3/8"	1/8"		
1/4"	5813I-GG	CC5913-GD	27	3/8"	1/8"		
3/8"	5817I-GD	CC5917-GD	27	3/8"	1/8"		
3/8"	5817I-GG	CC5917-GD	27	3/8"	1/8"		
1/2"	5821I-GD	CC5921-GD	27	3/8"	1/8"	9,42 - 9,40	32
1/2"	5821I-GG	CC5921-GD	27	3/8"	1/8"	9,42 - 9,40	32
1/2"	5821I-QR	CC5921-GD	27	3/8"	1/8"	9,42 - 9,40	32
3/4"	5827I-GD	CC5927-GD	27	1/2"	1/4"	12,60 - 12,55	32
3/4"	5827I-GG	CC5927-GD	27	1/2"	1/4"	12,60 - 12,55	32
3/4"	5827I-QR	CC5927-GD	27	1/2"	1/4"	12,60 - 12,55	32
1"	5834I-GD	CC5934-GD	37,3	1/2"	3/8"	15,77 - 15,72	32
1"	5834I-GG	CC5934-GD	37,3	1/2"	3/8"	15,77 - 15,72	32
1"	5834I-QR	CC5934-GD	37,3	1/2"	3/8"	15,77 - 15,72	32
1 1/4"	5842I-GD	CC5942-GD	26,2	3/4"	1/2"	18,92 - 18,87	38
1 1/4"	5842I-GG	CC5942-GD	26,2	3/4"	1/2"	18,92 - 18,87	38
1 1/4"	5842I-QR	CC5942-GD	26,2	3/4"	1/2"	18,92 - 18,87	38
1 1/2"	5849I-GD	CC5949-GD	29,4	3/4"	3/4"	25,40 - 25,30	45
1 1/2"	5849I-GG	CC5949-GD	29,4	3/4"	3/4"	25,40 - 25,30	45
1 1/2"	5849I-QR	CC5949-GD	29,4	3/4"	3/4"	25,40 - 25,30	45
2"	5860I-GD	CC5960-GD	29,4	3/4"	3/4"	25,40 - 25,30	45
2"	5860I-GG	CC5960-GD	29,4	3/4"	3/4"	25,40 - 25,30	45
2"	5860I-QR	CC5960-GD	29,4	3/4"	3/4"	25,40 - 25,30	45

Performance Charts (pressure/RPM)



Water

Air

Hot Oil

Steam