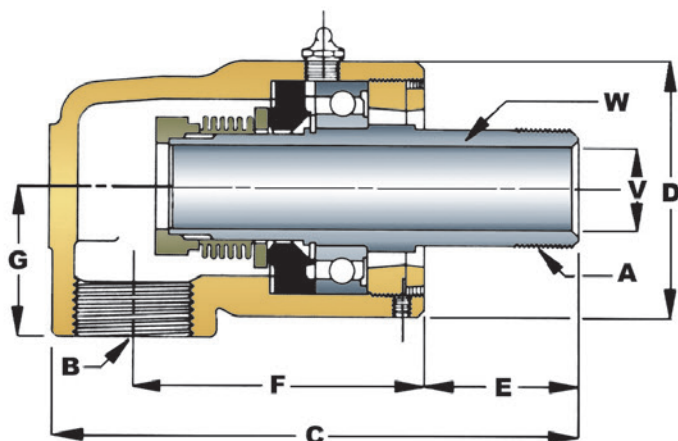




9000 series

GENERAL PURPOSE

Operating Parameters

Media	Steam, Hot Oil, Water
Pressure	250 psi (Water), 175 psi (Steam), 100 psi (Hot Oil)
Temperature	600° F (Hot Oil), 378° F (Steam)
Speed	700 RPM
Threads	• 1/4" to 3" NPT • BSP Threads Available • Flanged
Material	• Cast Iron Housing with Stainless Steel Sleeve • Steel Shaft
Configuration Options	Mono Flow & Dual Flow Configurations Available

Features & Benefits

Advanced Sealing System

The Bellows Sealing System provides superior sealing performance throughout the wear life of the Rotary Union.

Superior Alignment

Dual bearings available in all sizes over 1 1/4" to provide superior alignment.

Resists Debris Build-Up

Compared to seals utilizing springs, the 9000 series bellows sealing system is more resistant to debris in contaminated media, which reduces clogging.

Easy Mounting

The flange attaches directly to the machine journal, providing inherently concentric mounting, minimizing overhang, and partially relieving bearing load to increase service life.

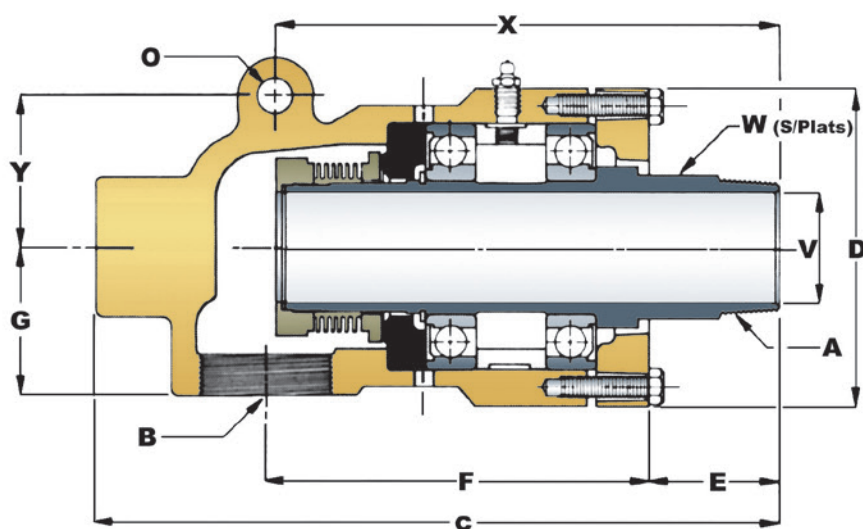
on request:

Thread A : NPT - BSPP - METRIQUE

Female thread B : NPT - BSPP

9000 mono flow 1/4" to 1"

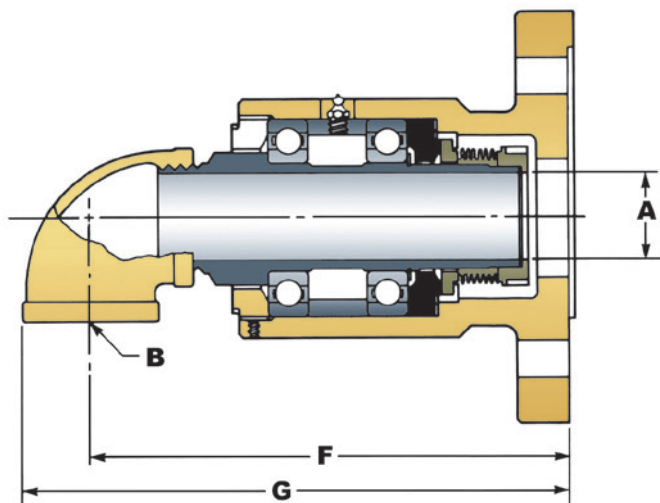
Ø Nominal	Référence	A	B	C	D	E	F	G	V	W
1/4"	9813-GD 9813-GG-FGD	1/4" BSP	1/4" BSP	4 3/8" 111 mm	1 3/4" 44 mm	1 1/8" 29 mm	2 9/16" 65 mm	1 1/16" 27 mm	1/4" 6 mm	5/8" 16 mm
3/8"	9817-GD 9817-GG-FGD	3/8" BSP	3/8" BSP	4 3/8" 111 mm	1 3/4" 44 mm	1 1/8" 29 mm	2 9/16" 65 mm	1 1/16" 27 mm	3/8" 10 mm	11/16" 17 mm
1/2"	9821-GD 9821-GG-FGD	1/2" BSP	1/2" BSP	5" 127 mm	2 3/8" 60 mm	1 1/2" 38 mm	2 3/4" 70 mm	1 1/4" 32 mm	1/2" 13 mm	15/16" 24 mm
3/4"	9827-GD 9827-GG-FGD	3/4" BSP	3/4" BSP	5 1/2" 140 mm	2 1/2" 64 mm	1 5/8" 41 mm	3" 76 mm	1 7/16" 37 mm	3/4" 19 mm	1 3/4" 28 mm
1"	9834-GD 9834-GG-FGD	1" BSP	1" BSP	6 1/8" 156 mm	3" 76 mm	1 3/4" 44 mm	3 3/8" 86 mm	1 3/4" 44 mm	1" 25 mm	1 11/32" 34 mm



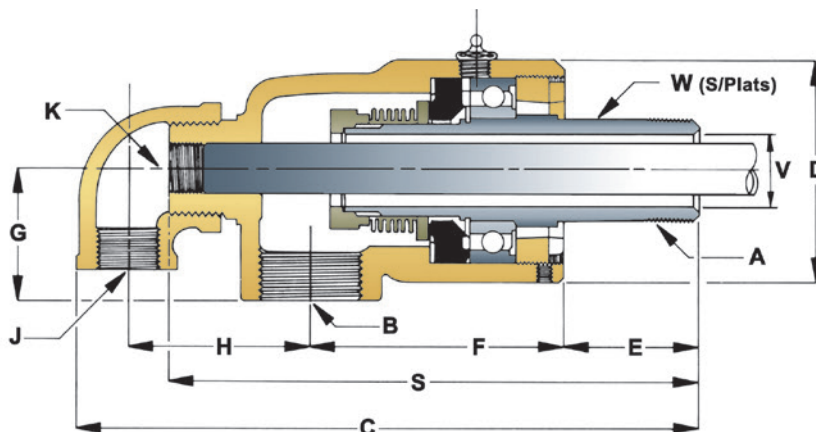
9000 mono flow 1 1/4" to 3"

Ø Nominal	Référence	A	B	C	D	E	F	G	V	W	O	Y	X
1 1/4"	9842-GD 9842-GG-FGD	1 1/4" BSP	1 1/4" BSP	9 1/16" 230 mm	3 3/4" 95 mm	2 1/16" 52 mm	4 13/16" 122 mm	2 3/16" 56 mm	1 1/4" 32 mm	1 11/16" 43 mm	5/8" 16 mm	2" 51 mm	6 7/8" 175 mm
1 1/2"	9849-GD 9849-GG-FGD	1 1/2" BSP	1 1/2" BSP	9 11/16" 246 mm	4 1/8" 105 mm	2 3/16" 56 mm	5 1/4" 133 mm	2 3/16" 56 mm	1 1/2" 38 mm	1 15/16" 49 mm	5/8" 16 mm	2 1/4" 57 mm	7 3/4" 87 mm
2"	9860-GD 9860-GG-FGD	2" BSP	2" BSP	11 3/4" 298 mm	5 7/8" 149 mm	2 7/16" 82 mm	6 7/8" 164 mm	2 5/8" 67 mm	2" 51 mm	2 9/16" 65 mm	5/8" 16 mm	2 3/4" 70 mm	8 9/16" 217 mm
2 1/2"	9876-GD 9876-GG-FGD	2 1/2" BSP	2 1/2" BSP	13 7/8" 352 mm	6 1/2" 165 mm	3 1/2" 89 mm	7 3/16" 183 mm	3 3/8" 86 mm	2 1/2" 64 mm	3" 76 mm	NA	NA	NA
3"	9890-GD 9890-GG-FGD	3" BSP	3" BSP	15 3/8" 390 mm	7 1/8" 181 mm	3 1/2" 89 mm	8 5/16" 211 mm	3 7/8" 98 mm	3" 76 mm	3 5/8" 92 mm	NA	NA	NA

9000 mono flow (flanged)



Ø Nominal	A	Reference	B	F	G
1 1/4"	1 1/4"	9842-B-FGD	1 1/4" NPT	8 7/16" 214 mm	9 1/2" 241 mm
1 1/2"	1 1/2"	9849-B-FGD	1 1/2" NPT	8 13/16" 224 mm	10 1/8" 257 mm
2"	2"	9860-B-FGD	2" NPT	10 5/8" 270 mm	12 1/16" 306 mm
2 1/2"	2 3/8"	9876-B-FGD	2 1/2" NPT	12" 305 mm	13 13/16" 351 mm
3"	2 7/8"	9890-B-FGD	3" NPT	14 1/16" 357 mm	16 1/4" 413 mm
4"	4"	98114-B-FGD	4" Bride	438 mm	Consult Factory
5"	5"	98140-B-FGD	5" Bride	545 mm	Consult Factory



9000 dual flow stationary siphon 1/2" to 1"

Ø Nominal	Reference	A	B	J	K	C	D	E	F	G	V	W	S	H
1/2"	9921-GD-S	1/2"	1/2"	1/2"	1/8"	7 1/4"	2 3/8"	1 1/2"	2 3/4"	1 1/4"	1/2"	15/16"	6"	2 1/8"
	9921-GG-FGD-S	BSP	BSP	BSP	NPSM	184 mm	60 mm	38 mm	70 mm	32 mm	13 mm	24 mm	152 mm	54 mm
3/4"	9927-GD-S	3/4"	3/4"	1/2"	1/4"	7 3/4"	2 1/2"	1 5/8"	3"	1 7/16"	3/4"	1 3/4"	6 3/8"	2 3/8"
	9927-GG-FGD-S	BSP	BSP	BSP	NPSM	197 mm	64 mm	41 mm	76 mm	37 mm	19 mm	28 mm	162 mm	60 mm
1"	9934-GD-S	1"	1"	1/2"	3/8"	8 1/2"	3"	1 3/4"	3 3/8"	1 3/4"	1"	1 11/32"	7 1/8"	2 5/8"
	9934-GG-FGD-S	BSP	BSP	BSP	NPSM	216 mm	76 mm	44 mm	86 mm	44 mm	25 mm	34 mm	181 mm	67 mm

9000 dual flow rotating siphon 1/2" to 1"

Ø Nominal	Reference	A	B	J	K	M	N	C	D	E	F	G	V	W	S	H
1/2"	9921-GD-RS	1/2" BSP	1/2"	1/2"	1/4"	,252	1 5/8"	7 1/4"	2 3/8"	1 1/2"	2 3/4"	1 1/4"	1/2"	15/16"	6 1/4"	2 1/8"
	9921-GG-FGD-RS	BSP	BSP	BSP	Tube	,249	41 mm	184 mm	60 mm	38 mm	70 mm	32 mm	13 mm	24 mm	159 mm	54 mm
3/4"	9927-GD-RS	3/4" BSP	3/4"	1/2"	1/4"	,528	1 3/4"	7 3/4"	2 1/2"	1 5/8"	3"	1 7/16"	3/4"	1 3/32"	6 13/16"	2 3/4"
	9927-GG-FGD-RS	BSP	BSP	BSP	Tube	,522	44 mm	197 mm	64 mm	41 mm	76 mm	37 mm	19 mm	28 mm	173 mm	60 mm
1"	9934-GD-RS	1" BSP	1"	1/2"	3/8"	,663	2"	8 1/2"	3"	1 3/4"	3 3/8"	1 3/4"	1"	1 11/32"	7 11/16"	2 5/8"
	9934-GG-FGD-RS	BSP	BSP	BSP	Tube	,657	51 mm	216 mm	76 mm	44 mm	86 mm	44 mm	25 mm	34 mm	196 mm	67 mm

On request: Female Thread J: BSPP - NPT

9000 dual flow stationary siphon 1 1/4" to 3"

Ø Nominal	Reference	A	B	J	K	C	D	E	F	G	V	G	S	O	Y	X
1 1/4"	9942-GD-S	1 1/4"	1 1/4"	1/2"	1/2"	10 5/8"	3 3/4"	2 1/8"	4 13/16"	2"	1 1/4"	1 11/16"	8 7/8"	5/8"	2"	6 3/4"
	9942-GG-FGD-S	BSP	BSP	BSP	NPSM	270 mm	95mm	54 mm	122mm	51mm	32mm	43mm	225 mm	16mm	51mm	171mm
1 1/2"	9949-GD-S	1 1/2"	1 1/2"	3/4"	3/4"	11 3/8"	4 1/8"	2 3/16"	5 1/4"	2 3/16"	1 1/2"	1 15/16"	9 9/16"	5/8"	2 1/4"	7 3/8"
	9949-GG-FGD-S	BSP	BSP	BSP	NPSM	289 mm	105mm	56 mm	133mm	56mm	38mm	49mm	243 mm	16mm	57mm	187 mm
2"	9960-GD-S	2"	2"	1"	3/4"	13 7/8"	5 7/8"	2 7/16"	6 1/2"	2 5/8"	2"	2 9/16"	11 1/2"	5/8"	2 3/4"	8 9/16"
	9960-GG-FGD-S	BSP	BSP	BSP	NPSM	352 mm	149 mm	62 mm	165 mm	67 mm	51 mm	65 mm	292 mm	16 mm	70 mm	217 mm
2 1/2"	9976-GD-S	2 1/2"	2"	1"	1"	16 7/8"	6 1/2"	3 1/2"	7 1/4"	3 3/8"	2 1/2"	3"	14"	—	—	—
	9976-GG-FGD-S	BSP	BSP	BSP	NPSM	429 mm	165 mm	89 mm	184 mm	86 mm	64 mm	76 mm	356 mm	—	—	—
3"	9990-GD-S	3"	2 1/2"	1 1/4"	1 1/4"	18 3/4"	7 1/8"	3 1/2"	8 5/16"	3 7/8"	3"	3 5/8"	15 5/8"	—	—	—
	9990-GG-FGD-S	BSP	BSP	BSP	NPSM	476 mm	181 mm	89 mm	211 mm	98 mm	76 mm	92 mm	397 mm	—	—	—

9000 dual flow stationary siphon (flanged)

Ø Nominal	Reference	B (NPT)	J (NPT)	K (NPSM)	E	F	S	L	P
1 1/4"	9942-B-FGD-S	1"	1/2"	1/2"	2 3/4"	7 1/16"	8 7/8"	1 5/8"	1 5/8"
	9942-B-FGD-S				70 mm	179 mm	225 mm	41 mm	41 mm
1 1/2"	9949-B-FGD-S	1 1/4"	3/4"	3/4"	3 3/8"	7 11/16"	9 15/16"	1 13/16"	1 7/8"
	9949-B-FGD-S				86 mm	195 mm	252 mm	46 mm	48 mm
2"	9960-B-FGD-S	1 1/2"	1"	3/4"	3 13/16"	9 1/16"	11 1/2"	2 1/16"	2 5/16"
	9960-B-FGD-S				97 mm	230 mm	292 mm	52 mm	59 mm
2 1/2"	9976-B-FGD-S	2"	1 1/4"	1"	4 3/4"	10 5/16"	13 9/16"	2 5/8"	2 5/8"
	9976-B-FGD-S				121 mm	262 mm	344 mm	67 mm	67 mm
3"	9990-B-FGD-S	2 1/2"	1 1/4"	1 1/4"	5 1/4"	11 7/8"	15 1/2"	2 7/8"	3 1/16"
	9990-B-FGD-S				133 mm	302 mm	394 mm	73 mm	78 mm
4"	Nous Consulter	—	—	—	—	—	—	—	—
5"	Nous Consulter	—	—	—	—	—	—	—	—

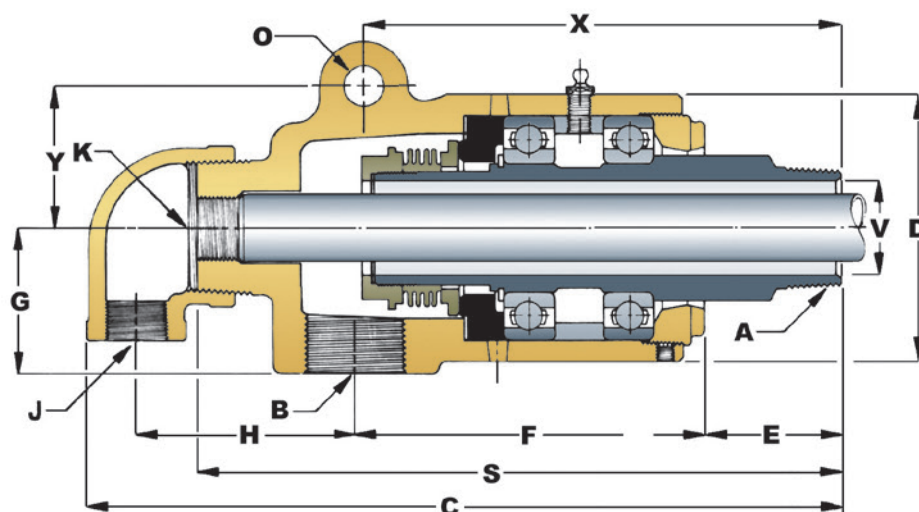
On request: Female Thread J: BSPP - NPT

9000 dual flow rotating siphon 1 1/4" to 3"

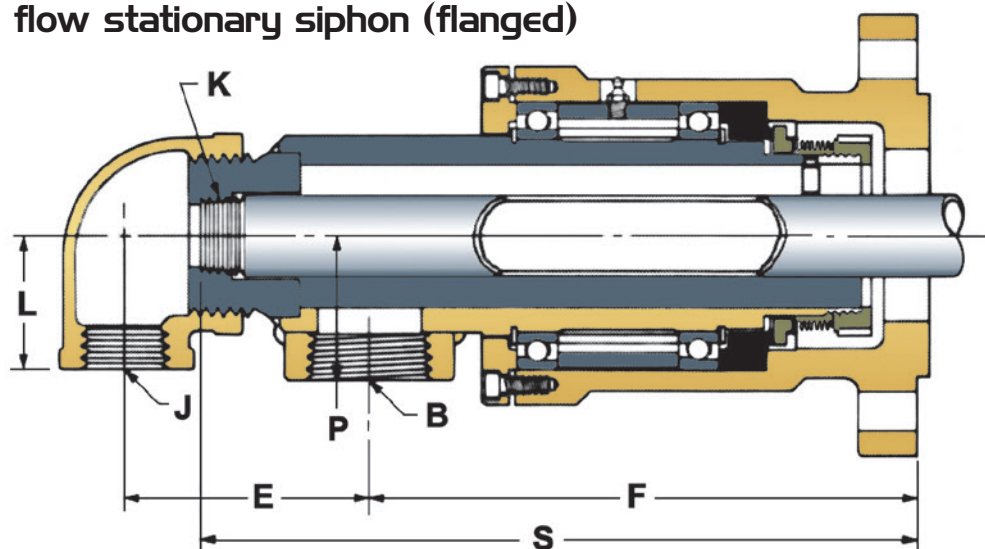
Ø Nominal	Reference	A	B	J	K	C	D	E	F	G	V	W	S	O	Y	X
1 1/4"	9942-GD-RS	1 1/4"	1 1/4"	1/2"	1/2"	10 5/8"	3 3/4"	2 1/8"	4 13/16"	2"	1 1/4"	1 11/16"	9 7/16"	5/8"	2"	6 7/8"
	9942-GG-FGD-RS	BSP	BSP	BSP	Tube	270 mm	95 mm	54 mm	122 mm	51 mm	32 mm	43 mm	240 mm	16 mm	51 mm	175 MM
1 1/2"	9949-GD-RS	1 1/2"	1 1/2"	3/4"	3/4"	11 3/8"	4 1/8"	2 3/16"	5 1/4"	2 3/16"	1 1/2"	1 15/16"	10 1/8"	5/8"	2 1/4"	7 3/8"
	9949-GG-FGD-RS	BSP	BSP	BSP	Tube	289 mm	105 mm	56 mm	133 mm	56 mm	38 mm	49 mm	257 mm	16 mm	57 mm	187 mm
2"	9960-GD-RS	2"	2"	1"	3/4"	13 7/8"	5 7/8"	2 7/16"	6 1/2"	2 5/8"	2"	2 9/16"	12 1/8"	5/8"	2 3/4"	8 9/16"
	9960-GG-FGD-RS	BSP	BSP	BSP	Tube	352 mm	149 mm	62 mm	165 mm	67 mm	51 mm	65 mm	308 mm	16 mm	70 mm	217 mm
2 1/2"	9976-GD-RS	2 1/2"	2"	1 1/4"	1"	16 7/8"	6 1/2"	3 1/2"	7 1/4"	3 3/8"	2 1/2"	3"	14 11/16"			
	9976-GG-FGD-RS	BSP	BSP	BSP	Tube	429 mm	165 mm	89 mm	184 mm	86 mm	64 mm	76 mm	373 mm			
3"	9990-GD-RS	3"	2 1/2"	1 1/4"	1 1/4"	18 3/4"	7 1/8"	3 1/2"	8 5/16"	3 7/8"	3"	3 5/8"	16 3/8"			
	9990-GG-FGD-RS	BSP	BSP	BSP	Tube	476 mm	181 mm	89 mm	211 mm	98 mm	76 mm	92 mm	416 mm			

On request: Female Thread J: BSPP - NPT

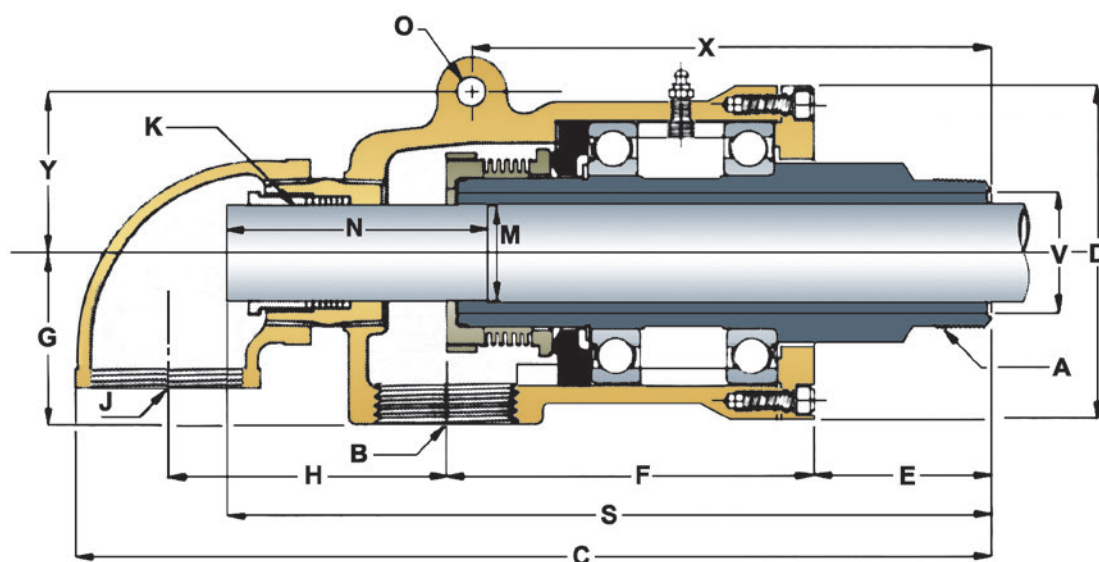
9000 dual flow stationary siphon I 1/4" to 3"

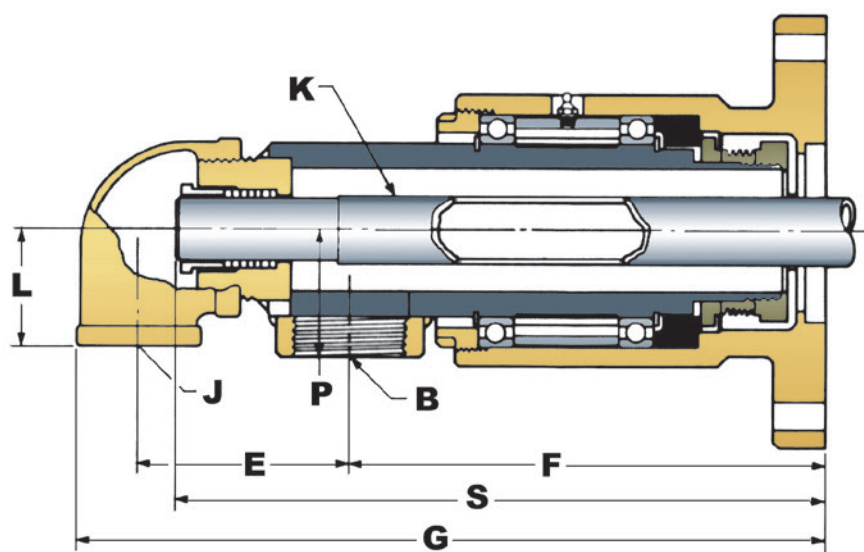


9000 dual flow stationary siphon (flanged)



9000 dual flow rotating siphon I 1/4" to 3"

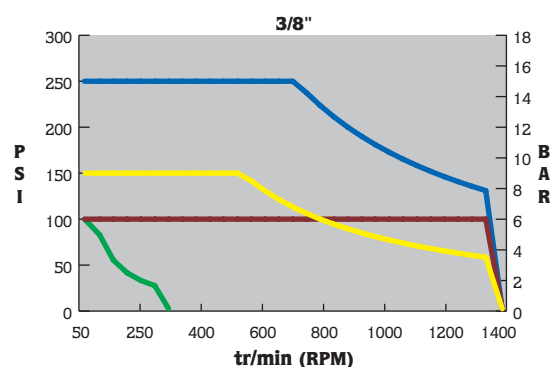
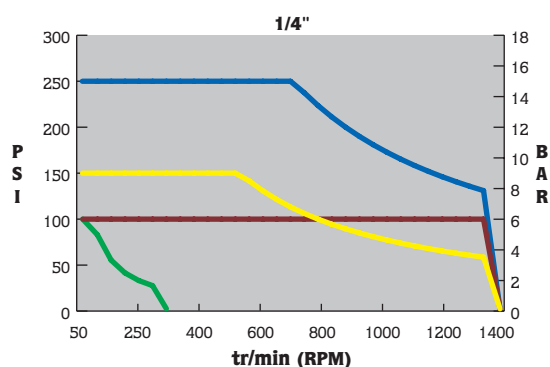




9000 dual flow rotating siphon (flanged)

Ø Nominal	Reference	B	J (BSP)	K (NPSM)	E	F	G	L	P	S
1 1/4"	9942-B-FGD-RS 9942-B-FGD-RS	1"	1/2"	1/2"	2 3/4" 70 mm	7 1/16" 179 mm	10 5/16" 262 mm	1 5/8" 41 mm	1 5/8" 41 mm	9 1/2" 241 mm
1 1/2"	9949-B-FGD-RS 9949-B-FGD-RS	1 1/4"	3/4"	3/4"	3 3/8" 86 mm	7 11/16" 195 mm	11 13/16" 300 mm	1 13/16" 46 mm	1 7/8" 48 mm	10 3/4" 273 mm
2"	9960-B-FGD-RS 9960-B-FGD-RS	1 1/2"	1"	3/4"	3 13/16" 97 mm	9 1/16" 230 mm	14" 356 mm	2 1/16" 52 mm	2 5/16" 59 mm	12 1/4" 311 mm
2 1/2"	9976-B-FGD-RS 9976-B-FGD-RS	2"	1 1/4"	1"	4 3/4" 121 mm	10 5/16" 262 mm	16 5/16" 414 mm	2 5/8" 67 mm	2 5/8" 67 mm	14 1/4" 362 mm
3"	9990-B-FGD-RS 9990-B-FGD-RS	2 1/2"	1 1/4"	1 1/4"	5 1/4" 133 mm	11 7/8" 302 mm	18 3/4" 476 mm	2 7/8" 73 mm	3 1/16" 78 mm	16 1/4" 413 mm
4"	Nous Consulter			2 1/2"	–	–	–	–	–	–
5"	Nous Consulter			3"	–	–	–	–	–	–

Performance Charts (pressure/rpm)

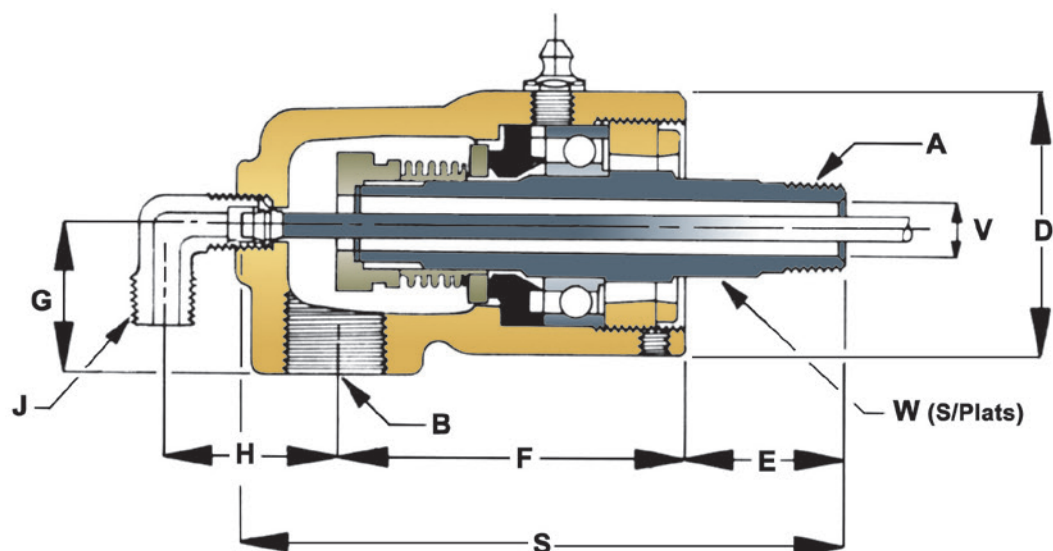


Water

Air

Hot Oil

Steam

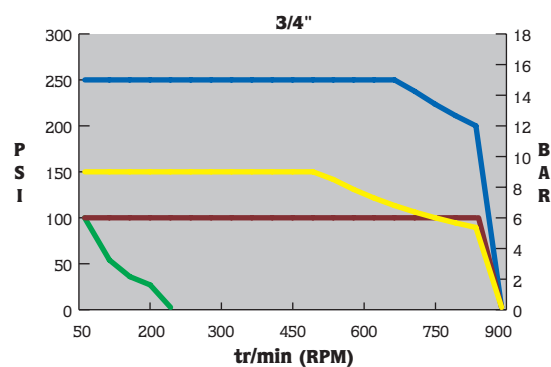
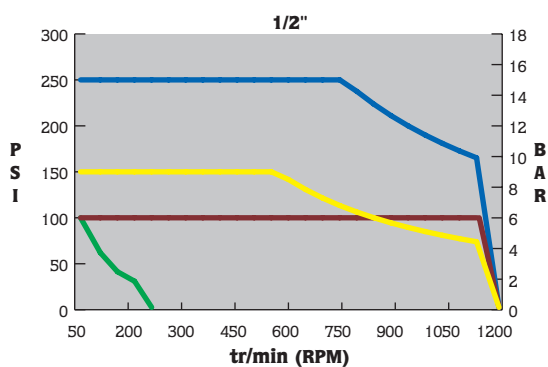


9000 dual flow stationary compression siphon 1/4" à 1"

Ø Nominal	Référence	A	B	J	Siphon K	D	E	F	G	V	W	S	H
1/4"	9913-GD-FGD-CS	1/4" BSP	1/4" BSP	1/8" BSP	1/8" TUBE	1 3/4" 44 mm	1 1/8" 29 mm	2 9/16" 65 mm	1 1/16" 27 mm	1/4" 6 mm	5/8" 16 mm	4 7/16" 113 mm	1 1/4" 32 mm
	9913-GG-FGD-CS				3/16" TUBE								
	9913-GD-FGD-CS				1/8" TUBE								
	9913-GG-FGD-CS				3/16" TUBE								
3/8"	9917-GD-FGD-CS	3/8" BSP	3/8" BSP	1/8" BSP	1/8" TUBE	1 3/4" 44 mm	1 1/8" 29 mm	2 9/16" 65 mm	1 1/16" 27 mm	3/8" 10 mm	11/16" 17 mm	4 7/16" 113 mm	1 1/4" 32 mm
	9917-GG-FGD-CS				3/16" TUBE								
	9917-GD-FGD-CS				1/8" TUBE								
	9917-GG-FGD-CS				3/16" TUBE								
1/2"	9921-GD-FGD-CS	1/2" BSP	1/2" BSP	1/2" BSP	3/8" TUBE	2 3/8" 60 mm	1 1/2" 38 mm	2 3/4" 70 mm	1 1/4" 32 mm	1/2" 13 mm	15/16" 24 mm	6 3/8" 162 mm	2 1/8" 54 mm
	9921-GG-FGD-CS				1/2" TUBE								
3/4"	9927-GD-FGD-CS	3/4" BSP	1/2" BSP	1/2" BSP	1/2" TUBE	2 1/2" 64 mm	1 5/8" 41 mm	3" 76 mm	1 7/16" 37 mm	3/4" 19 mm	1 3/32" 28 mm	6 7/8" 164 mm	2 5/16" 59 mm
	9927-GG-FGD-CS				3/4" TUBE								
1"	9934-GD-FGD-CS	1" BSP	1" BSP	3/4" BSP	5/8" TUBE	3" 76 mm	1 3/4" 44 mm	3 3/8" 86 mm	1 3/4" 44 mm	1" 25 mm	1 11/32" 34 mm	7 3/4" 197 mm	2 9/16" 65 mm
	9934-GG-FGD-CS				1" TUBE								

sur demande : Taraudage J : NPT

Performance Charts (pressure/rpm)



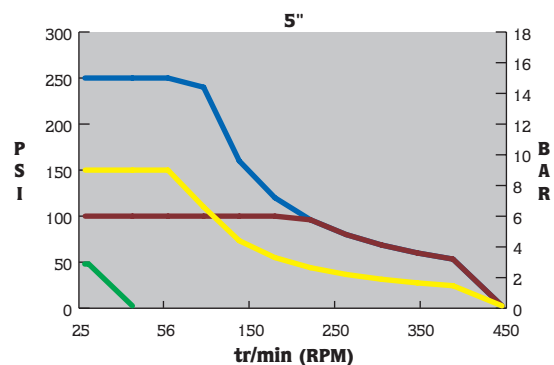
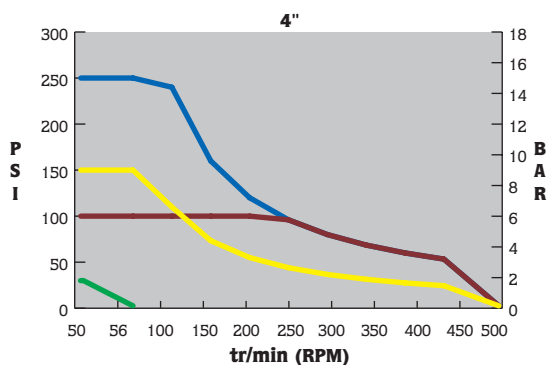
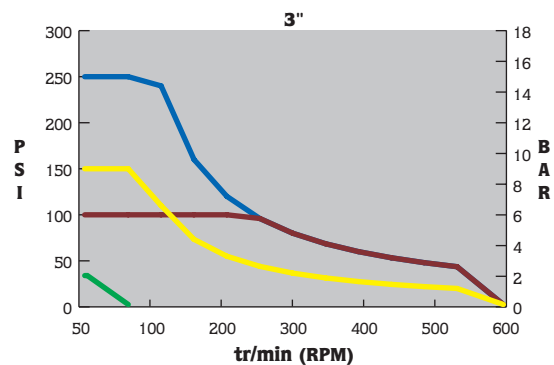
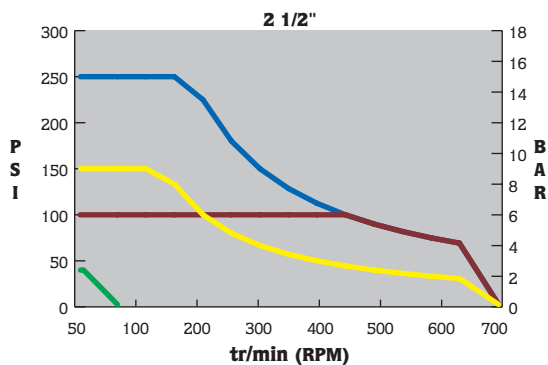
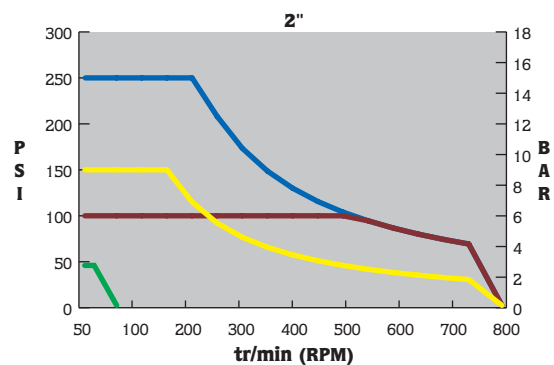
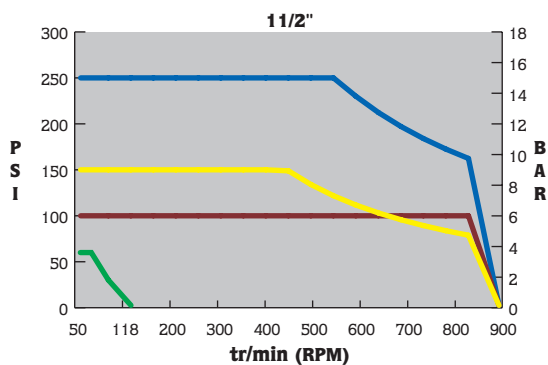
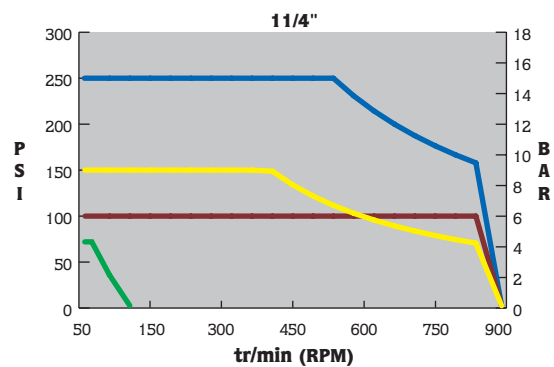
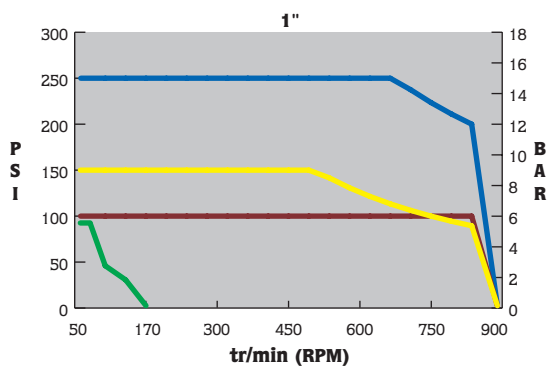
Water

Air

Hot Oil

Steam

Performance Charts (pressure/rpm)



Water

Air

Hot Oil

Steam