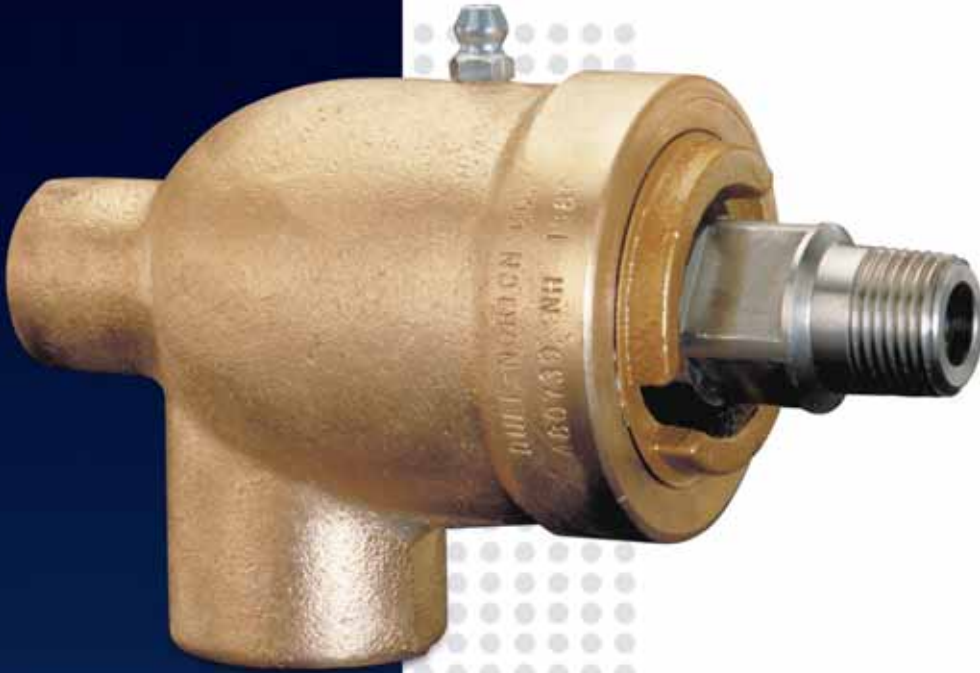


4000 SERIES

LOW TORQUE
GENERAL PURPOSE



Operating Parameters

MEDIA

Water, Hot Oil, Air

PRESSURE*

1,000 PSI

TEMPERATURE*

200° F

SPEED*

750 RPM

THREADS

- 1/8" to 1" NPT & MT
- BSP & BSPP Available

MATERIAL

Stainless Steel Shaft and Bronze Housing

CONFIGURATION OPTIONS

Mono & Dual Flow Configurations
Available

* See Performance
Charts For Details

Features & Benefits

High Speed Applications

The low torque feature makes the 4000 Series ideal for high speed applications.

Designed For Radial And Thrust Loads

Two sets of ball bearings absorb radial and thrust loads.

Built For Long Life

Features a unique balanced seal for long life.

Wear Resistant

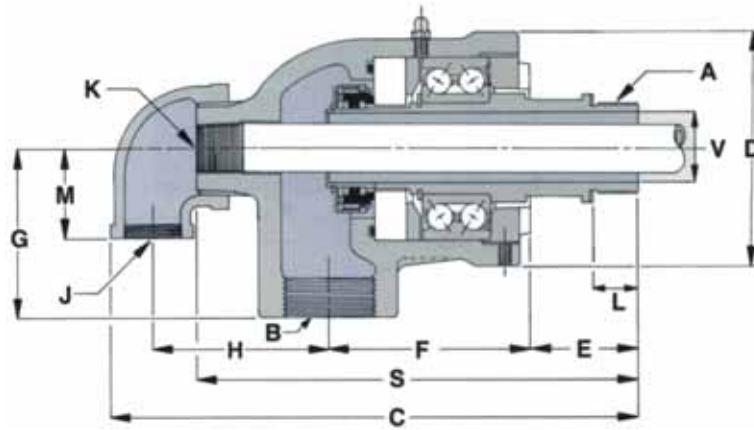
The primary seal design is carbon graphite against ceramic which offers maximum life and durability.

4000 SERIES ROTARY UNION (NPT) • MONO FLOW								
PART NUMBERS	Nominal Pipe Size	Shaft Thread (A)	Right Hand Thread			Left Hand Thread		
			Part Number	Description	Repair Cartridge	Part Number	Description	Repair Cartridge
	1/8	1/8	480735C	WR4050-0	481997C	480734C	WL4050-0	481996C
	1/4	1/4	480737C	WR4000-0	481916C	480736C	WL4000-0	481915C
	3/8	3/8	480739C	WR4100-0	481896C	480738C	WL4100-0	481895C
	1/2	1/2	480741C	WR4200-0	481926C	480740C	WL4200-0	481925C
	3/4	3/4	480743C	WR4300-0	481934C	480742C	WL4300-0	481933C
	1	1	480745C	WR4400-0	481938C	480744C	WL4400-0	481937C

4000 SERIES ROTARY UNION (NPT) • DUAL FLOW								
PART NUMBERS	Nominal Pipe Size	Shaft Thread (A)	Right Hand Thread			Left Hand Thread		
			Part Number	Description	Repair Cartridge	Part Number	Description	Repair Cartridge
	1/2	1/2	470397C	WR4200S-0	481926C	470396C	WL4200S-0	481925C
	3/4	3/4	470435C	WR4300S-0	481934C	470434C	WL4300S-0	481933C
	1	1	470452C	WR4400S-0	481938C	470451C	WL4400S-0	481937C

4000 SERIES ROTARY UNION (MACHINE THREADS) • MONO FLOW								
PART NUMBERS	Nominal Pipe Size	Inlet B (NPT)	Right Hand Thread			Left Hand Thread		
			Part Number	Description	Repair Cartridge	Part Number	Description	Repair Cartridge
	1/8	1/8	480747C	WR4051-0	481999C	480746C	WL4051-0	481998C
	1/4	1/4	480749C	WR4024-0	481918C	480748C	WL4024-0	481917C
		1/4	480751C	WR4075-0	481920C	480750C	WL4075-0	481919C
		3/8	480753C	WR4080-0	481920C	480752C	WL4080-0	481919C
	3/8	3/8	480755C	WR4124-0	481714C	480754C	WL4124-0	481713C
	1/2	1/2	480757C	WR4260-0	481930C	480756C	WL4260-0	481929C
		1/2	480759C	WR4224-0	481928C	480758C	WL4224-0	481927C
		1/2	480761C	WR4275-0	481712C	480760C	WL4275-0	481711C
3/4	3/4	480765C	WR4324-0	481936C	480764C	WL4324-0	481935C	
1	1	480767C	WR4424-0	481940C	480766C	WL4424-0	481939C	

4000 SERIES ROTARY UNION (MACHINE THREADS) • DUAL FLOW								
PART NUMBERS	Nominal Pipe Size	Inlet B (NPT)	Right Hand Thread			Left Hand Thread		
			Part Number	Description	Repair Cartridge	Part Number	Description	Repair Cartridge
	1/2	1/2	470448C	WR4260S-0	481930C	470447C	WL4260S-0	481929C
			470444C	WR4224S-0	481928C	470443C	WL4224S-0	481927C
			470446C	WR4275S-0	481712C	470445C	WL4275S-0	481711C
	3/4	3/4	470450C	WR4324S-0	481936C	470449C	WL4324S-0	481935C
	1	1	470454C	WR4424S-0	481940C	470453C	WL4424S-0	481939C



4000 SERIES ROTARY UNION (NPT) • MONO FLOW (in.)									
DIMENSIONS	Nominal Pipe Size	Shaft Thread (A)	Inlet B (NPT)	Shaft I.D. (V)	Overall Length C	D	E	F	G
	1/8	1/8	1/8	3/16	3-1/2	1-13/16	1	1-3/4	1-1/8
	1/4	1/4	1/4	1/4	3-5/8	1-13/16	1-1/8	1-3/4	1-1/8
	3/8	3/8	3/8	3/8	4-15/16	2-3/16	1-1/8	2-1/4	1-3/4
	1/2	1/2	1/2	1/2	5-1/8	2-3/16	1-5/16	2-1/4	1-3/4
	3/4	3/4	3/4	3/4	5-5/8	2-11/16	1-1/2	2-1/2	2
	1	1	1	1	6-5/8	3-1/16	1-3/4	3-1/4	1-13/16

4000 SERIES ROTARY UNION (NPT) • DUAL FLOW (in.)													
DIMENSIONS	Nominal Pipe Size	Shaft Thread (A)	Inlet B (NPT)	Outlet J (NPT)	Siphon Thread K (NPSM)	Overall Length C	D	E	F	G	H	M	S
	1/2	1/2	1/2	1/2	1/8	6-1/4	2-3/16	1-5/16	2-1/4	1-3/4	2-1/16	1-1/8	4-15/16
	3/4	3/4	3/4		1/4	6-15/16	2-11/16	1-1/2	2-1/2	2	2-5/16	1-1/4	5-1/2
	1	1	1		3/8	7-7/8	3-1/16	1-3/4	2-7/8	2-5/16	2-5/8	1-3/8	6-1/2

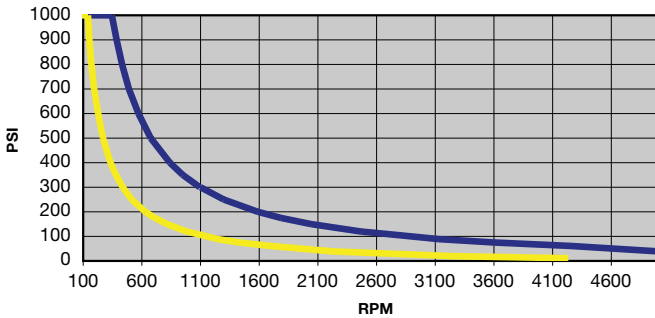
4000 SERIES ROTARY UNION (MACHINE THREADS) • MONO FLOW (in.)										
DIMENSIONS	Nominal Pipe Size	Inlet B (NPT)	Shaft I.D. (V)	Machine Thread (A)	Thread Length (L)	C	D	E	F	G
	1/8	1/8	3/16	7/16-20	7/16	3-3/8	1-13/16	7/8	1-3/4	1-1/8
	1/4	1/4	1/4	7/16-20	7/16	3-3/8	1-13/16	7/8	1-3/4	1-1/8
		1/4	5/16	5/8-18	7/16	3-1/2	1-13/16	1	1-3/4	1-1/8
		3/8	5/16	5/8-18	7/16	3-1/2	1 13/16	1	1-3/4	1-1/8
	3/8	3/8	3/8	5/8-18	7/16	4-3/4	2-3/16	15/16	2-1/4	1-3/4
		1/2	1/2	3/4-16	5/8	4-7/8	2-3/16	1-3/16	2-1/4	1-3/4
		1/2	1/2	7/8-14	5/8	5	2-3/16	1-3/16	2-1/4	1-3/4
	1/2	1/2	1/2	1-14	3/4	5	2-3/16	1-3/16	2-1/4	1-3/4
		3/4	3/4	11/16	1-14	3/4	5-5/8	2-11/16	1-1/2	2-9/16
1		1	7/8	1-1/4-12	3/4	6-1/2	3-1/16	1-11/16	2-15/16	2-15/16

4000 SERIES ROTARY UNION (MACHINE THREADS) • DUAL FLOW (in.)

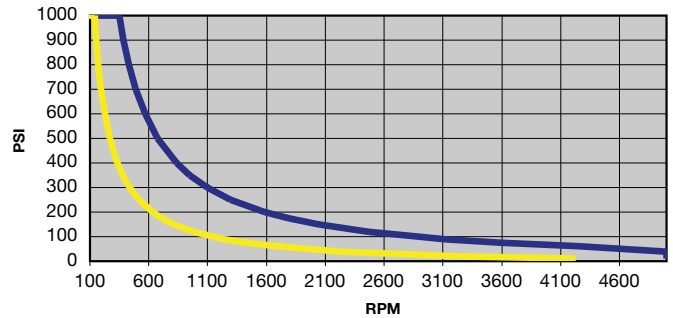
DIMENSIONS	Nominal Pipe Size	Inlet B (NPT)	Outlet NPT (J)	Siphon Thread K (NPSM)	Shaft I.D. (V)	Machine Thread (A)	Thread Length (L)	C	D	E	F	G	H	M	S
	1/2	1/2	1/2	1/8	1/2	3/4-16 7/8-14 1-14	5/8 3/4	6-1/8 6-1/4	2-3/16	1-3/16 1-3/16 1-5/16	2-1/4	1-3/4	2-1/16	1-1/8	4-13/16 4-15/16
3/4	3/4	1/2	1/4	11/16	1-14	3/4	6-15/16	2-11/16	1-1/2	2-1/2	2	2-5/16	1-1/4	5-1/2	
1	1	1/2	3/8	7/8	1-1/4-12	3/4	7-15/16	3-1/16	1-11/16	2-7/8	2-5/16	2-5/8	1-3/8	6-7/16	

Performance Charts

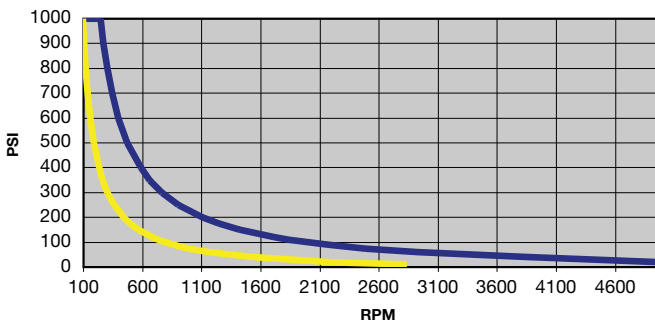
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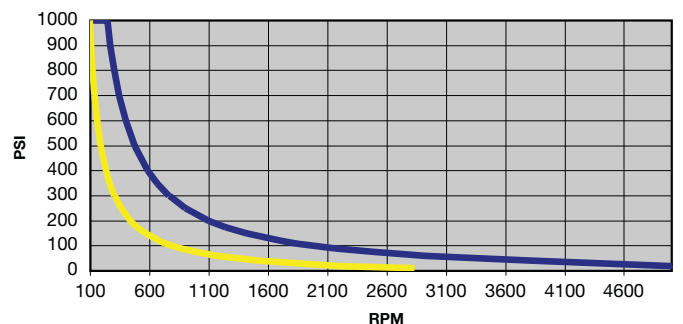
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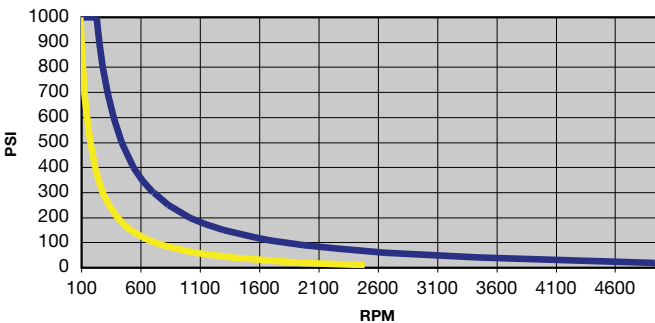
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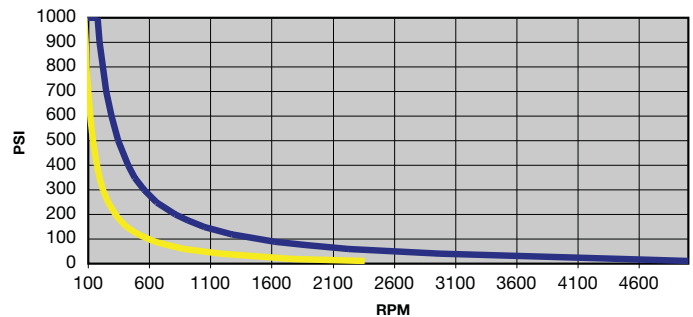
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3/4"



1"



Water Air