

3000 Series Rotary Unions for General Purpose Water, Saturated Steam & Hot Oil Services



Special Design Features

- Self-supported rotary union
- Forged brass housing up to 2" size
- Corrosion resist stainless steel rotor
- Highly precise and lubricated heavy duty ball bearings for long life and stable rotation
- Specially designed mechanical seals to sustain high pressure changes with minimum friction and wear for prolong service life
- Seal face combination: Silicon Carbide to Carbon Graphite
- Designed for both mono-flow and duo-flow
- Available in both US and metric standards
- Easy installation
- Customized models are available

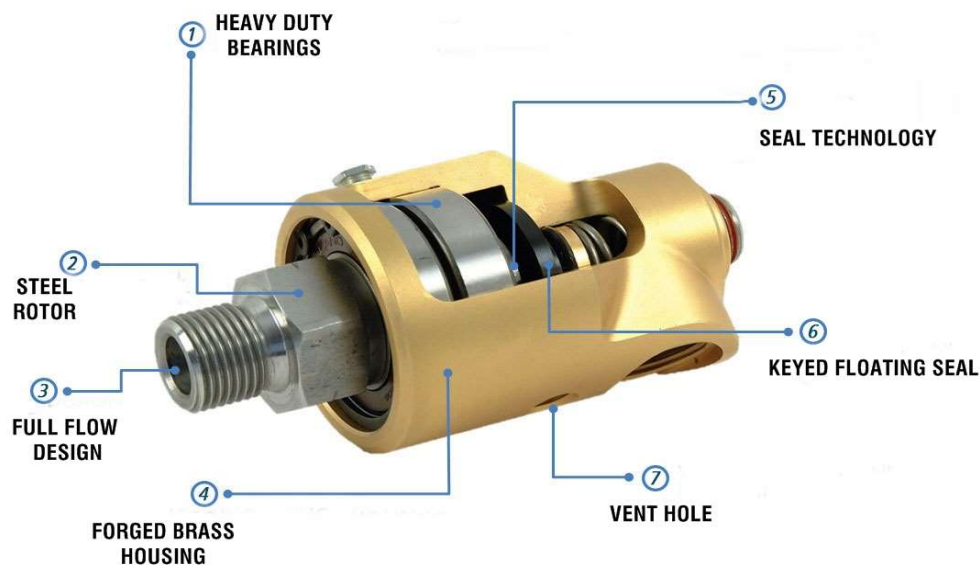
Technical Data

- | | |
|---------------------------------|--------------------|
| • Max. Water Pressure | 10 bar (150 psi) |
| • Max. Saturated Steam Pressure | 1 bar (15 psi) |
| • Max. Hot Oil Pressure | 7 bar (100 psi) |
| • Max. Temperature | 126°C (260° F) |
| • Max. Rotor Speed for | |
| • Sizes 3/8", 1/2", 3/4" | 3500 rpm |
| • Size 1" | 3000 rpm |
| • Size 1-1/4", 1-1/2" | 2500 rpm |
| • Size 2" | 750 rpm |
| • Max. Flow of Media | 24 L / min |

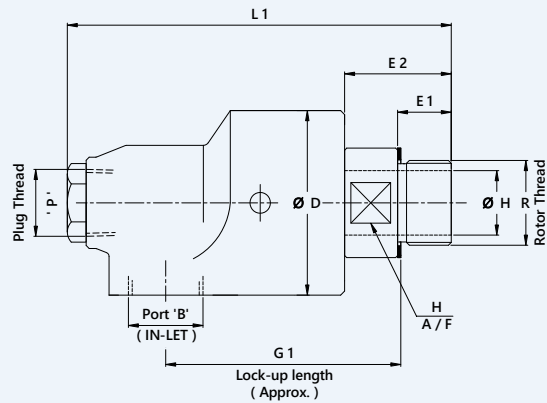
Mono-flow & Duo-flow Design

Size DN 8 (1/4") to DN 50 (2")

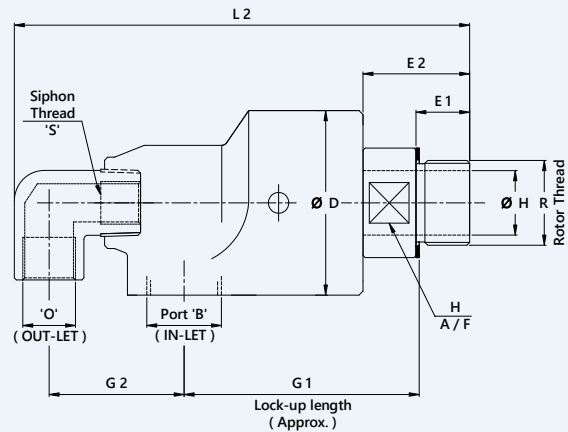
Construction of 3000 Series Rotary Union



Mono-flow Design



Duo-flow Design



Size	Model No.		'B' Port Size	'R' Rotor Thread	'O' Outlet Thread	'S' Siphon Thread	Ø D	E 1	E 2	G 1 Lockup Approx.	G 2	Ø H	L 1	L 2	'P' Plug Thread
	Mono-flow	Duo-flow													
DN 8	3000-108-11R	3000-208-11R	1/4"	G 1/4" BSP-RH	---	---	43.5	16	---	69.3	---	---	97.5	---	---
1/4"	3000-108-11L	3000-208-11L	1/4"	G 1/4" BSP-LH	---	---	43.5	16	---	69.3	---	---	97.5	---	---
DN 10	3000-110-11R	3000-210-11R	3/8"	G 3/8" BSP-RH	1/4"	M 6 X 1	45	16.5	26	64.5	35	9.5	101.5	122.5	1/4"
	3000-110-11L	3000-210-11L	3/8"	G 3/8" BSP-LH	1/4"	M 6 X 1	45	16.5	26	64.5	35	9.5	101.5	122.5	1/4"
	3000-110-12R	3000-210-12R	3/8"	3/8" NPT-RH	1/4"	M 6 X 1	45	16.5	26	69.3	35	9.5	99.5	122.5	1/4"
	3000-110-12L	3000-210-12L	3/8"	3/8" NPT-LH	1/4"	M 6 X 1	45	16.5	26	69.3	35	9.5	99.5	122.5	1/4"
	3000-110-14R	3000-210-14R	3/8"	5/8"-18 UNF-RH	1/4"	---	45	16.5	26	64.5	35	9.5	99.5	122.5	1/4"
DN 15	3000-110-14L	3000-210-14L	3/8"	5/8"-18 UNF-LH	1/4"	---	45	16.5	26	64.5	35	9.5	99.5	122.5	1/4"
	3000-115-11R	3000-215-11R	1/2"	G 1/2" BSP-RH	3/8"	G 1/8" BSP	57	20	35	80	38	12.7	120	148	3/8"
	3000-115-11L	3000-215-11L	1/2"	G 1/2" BSP-LH	3/8"	G 1/8" BSP	57	20	35	80	38	12.7	120	148	3/8"
	3000-115-12R	3000-215-12R	1/2"	1/2" NPT-RH	3/8"	G 1/8" BSP	57	22	35	90	38	12.7	121	148	3/8"
	3000-115-12L	3000-215-12L	1/2"	1/2" NPT-LH	3/8"	G 1/8" BSP	57	22	35	90	38	12.7	121	148	3/8"
	3000-115-14R	3000-215-14R	1/2"	3/4"-16 UNF-RH	3/8"	G 1/8" BSP	57	20	35	80	38	12.7	120	146	3/8"
	3000-115-14L	3000-215-14L	1/2"	3/4"-16 UNF-LH	3/8"	G 1/8" BSP	57	20	35	80	38	12.7	120	146	3/8"
	3000-115-13R	3000-215-13R	1/2"	M 22 X 1.5 RH	3/8"	G 1/8" BSP	57	20	37	80	38	12.7	120	146	3/8"
DN 20	3000-115-13L	3000-215-13L	1/2"	M 22 X 1.5 LH	3/8"	G 1/8" BSP	57	20	37	80	38	12.7	120	146	3/8"
	3000-120-11R	3000-220-11R	3/4"	G 3/4" BSP-RH	1/2"	G 1/4" BSP	73	20	34	96	45	17.5	138	168	1/2"
	3000-120-11L	3000-220-11L	3/4"	G 3/4" BSP-LH	1/2"	G 1/4" BSP	73	20	34	96	45	17.5	138	168	1/2"
	3000-120-12R	3000-220-12R	3/4"	3/4" NPT-RH	1/2"	G 1/4" BSP	73	22	34	96	45	17.5	171	171	1/2"
	3000-120-12L	3000-220-12L	3/4"	3/4" NPT-LH	1/2"	G 1/4" BSP	73	22	34	96	45	17.5	171	171	1/2"
	3000-120-15R	3000-220-15R	3/4"	1"-14 UNS-RH	1/2"	G 1/4" BSP	73	20	34	104	45	17.5	138	198	1/2"
	3000-120-15L	3000-220-15L	3/4"	1"-14 UNS-LH	1/2"	G 1/4" BSP	73	20	34	104	45	17.5	138	168	1/2"
	3000-120-13R	3000-220-13R	3/4"	M 27 X 1.5 RH	1/2"	G 1/4" BSP	73	20	35	96	45	17.5	138	168	1/2"
DN 25	3000-120-13L	3000-220-13L	3/4"	M 27 X 1.5 LH	1/2"	G 1/4" BSP	73	20	35	96	45	17.5	138	168	1/2"
	3000-125-11R	3000-225-11R	1"	G 1" BSP-RH	1/2"	G 3/8" BSP	83	22	42	109	59	25	165	203	3/4"
	3000-125-11L	3000-225-11L	1"	G 1" BSP-LH	1/2"	G 3/8" BSP	83	22	42	109	59	25	165	203	3/4"
	3000-125-12R	3000-225-12R	1"	1" NPT-RH	1/2"	G 3/8" BSP	83	30	42	121	59	25	173	211	3/4"
	3000-125-12L	3000-225-12L	1"	1" NPT-LH	1/2"	G 3/8" BSP	83	30	42	121	59	25	173	211	3/4"
	3000-125-14R	3000-225-14R	1"	1-1/2"-12 UNF-RH	1/2"	G 3/8" BSP	83	30	42	121	59	25	173	211	3/4"
	3000-125-14L	3000-225-14L	1"	1-1/2"-12 UNF-LH	1/2"	G 3/8" BSP	83	30	42	121	59	25	173	211	3/4"
	3000-125-13R	3000-225-13R	1"	M 35 X 1.5 RH	1/2"	G 3/8" BSP	83	30	36	121	59	25	173	211	3/4"
DN 32	3000-125-13L	3000-225-13L	1"	M 35 X 1.5 LH	1/2"	G 3/8" BSP	83	30	36	121	59	25	173	211	3/4"
	3000-132-11R	3000-232-11R	1-1/4"	G 1-1/4" BSP-RH	3/4"	G 1/2" BSP	91	28	54	121	71	31.8	191	234	1"
	3000-132-11L	3000-232-11L	1-1/4"	G 1-1/4" BSP-LH	3/4"	G 1/2" BSP	91	28	54	121	71	31.8	191	234	1"
	3000-132-12R	3000-232-12R	1-1/4"	1-1/4" NPT-RH	3/4"	G 1/2" BSP	91	30	54	191	71	31.8	191	238	1"
	3000-132-12L	3000-232-12L	1-1/4"	1-1/4" NPT-LH	3/4"	G 1/2" BSP	91	30	54	191	71	31.8	191	238	1"
DN 40	3000-132-16R	3000-232-16R	1-1/4"	1-3/4"-12 UN-RH	3/4"	G 1/2" BSP	91	30	54	191	71	31.8	191	237	1"
	3000-132-16L	3000-232-16L	1-1/4"	1-3/4"-12 UN-LH	3/4"	G 1/2" BSP	91	30	54	191	71	31.8	191	237	1"
	3000-140-11R	3000-240-11R	1-1/2"	G 1-1/2" BSP-RH	3/4"	G 3/4" BSP	108	30	72	149	78	38	225	268	1-1/4"
	3000-140-11L	3000-240-11L	1-1/2"	G 1-1/2" BSP-LH	3/4"	G 3/4" BSP	108	30	72	149	78	38	225	268	1-1/4"
	3000-140-12R	3000-240-12R	1-1/2"	1-1/2" NPT-RH	3/4"	G 3/4" BSP	108	30	72	152	78	38	215	261	1-1/4"
	3000-140-12L	3000-240-12L	1-1/2"	1-1/2" NPT-LH	3/4"	G 3/4" BSP	108	30	72	152	78	38	215	261	1-1/4"
	3000-140-16R	3000-240-16R	1-1/2"	2"-12 UN-RH	3/4"	G 3/4" BSP	108	30	72	152	78	38	225	272	1-1/4"
	3000-140-16L	3000-240-16L	1-1/2"	2"-12 UN-LH	3/4"	G 3/4" BSP	108	30	72	152	78	38	225	272	1-1/4"
DN 50	3000-140-13R	3000-240-13R	1-1/2"	M 50 X 1.5 RH	3/4"	G 3/4" BSP	108	30	72	152	78	38	225	272	1-1/4"
	3000-140-13L	3000-240-13L	1-1/2"	M 50 X 1.5 LH	3/4"	G 3/4" BSP	108	30	72	152	78	38	225	272	1-1/4"
	3000-150-11R	3000-250-11R	2"	G 2" BSP	3/4"	G 1" BSP	117	30	65	166	78	47.6	246	289	1-1/4"
	3000-150-11L	3000-250-11L	2"	G 2" BSP	3/4"	G 1" BSP	117	30	65	166	78	47.6	246	289	1-1/4"
	3000-150-12R	3000-250-12R	2"	2" NPT	3/4"	G 1" BSP	117	40	65	181	78	47.6	257	300	1-1/4"
2"	3000-150-12L	3000-250-12L	2"	2" NPT	3/4"	G 1" BSP	117	40	65	181	78	47.6	257	300	1-1/4"

Subject to technical & dimensional changes without prior notice.