MODEL

WB1000

SERIES

Rotary Joint for Water Applications

WB1000 transfers water from stationary supply lines to rotating equipment. Its nodular cast iron housing, steel shaft and RSiC-RSiC mechanical sealing arrangement are designed for water service. Operating conditions: 17 bar, 80 degrees C and 750 rpm.



APPLICATIONS

- Water transfer
- Rotating equipment
- Process machinery
- Water circulation
- General machinery

OPERATING CONDITIONS

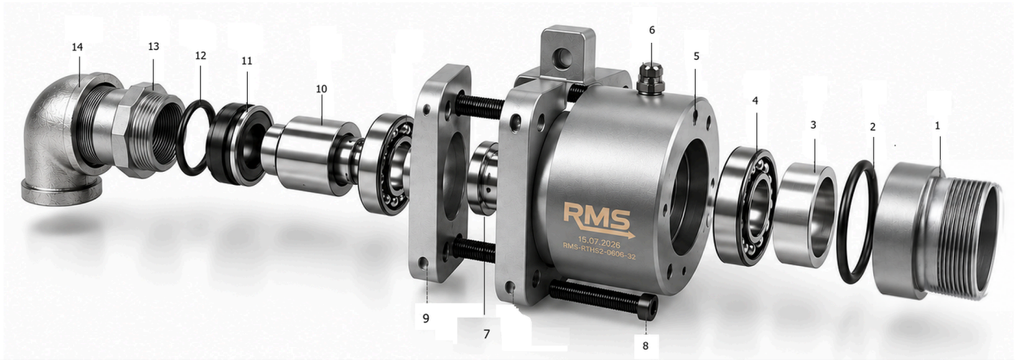
Max. Pressure	**17 bar**
Max. Temp.	**80 deg C**
Max. Speed	**750 rpm**
Media	**Water**

SEALING SYSTEM

Primary Seal	RSiC
Counterface	RSiC
Seal Design	Mechanical

KEY FEATURES

- Nodular Cast Iron Body
- Steel Shaft
- Dual Ball Bearings
- Rotating Siphon Pipe
- RSiC-RSiC Seals



PARTS LIST

No.	Part Name	Material	Note
1	Rotor / Shaft	Stainless Steel	Precision Machined
2	O-Ring	FKM / NBR / EPDM	Sealing Element
3	Bushing	Stainless Steel	Shrink Fit
4	Ball Bearing	Steel	High Speed
5	Housing / Body	Carbon Steel	Hard Coated
6	Grease Nipple	Steel	Maintenance
7	Mechanical Seal	Carbon / SiC	Primary Seal
8	Socket Bolt	Alloy Steel	DIN 912
9	End Cover / Outlet	Carbon Steel	Threaded (BSPT / NPT)
10	Rotor / Shaft	Stainless Steel	Precision Machined
11	Mechanical Seal	Carbon / SiC	Primary Seal
12	O-Ring	FKM / NBR / EPDM	Sealing Element
13	Connector	Steel	Threaded (BSPT / NPT)
14	Union Elbow	Stainless Steel	BSPT / NPT / Optional

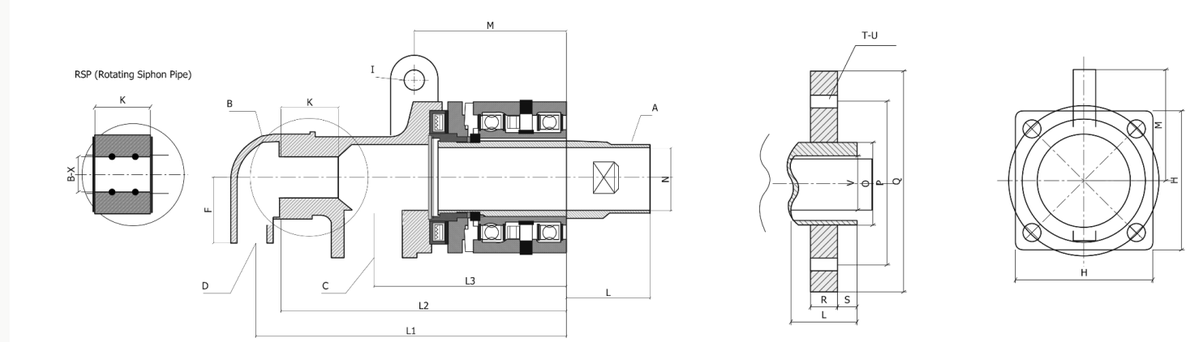
BEARING SYSTEM
Dual ball bearings for smooth rotation and long service life.

SEAL ARRANGEMENT
RSiC-RSiC mechanical sealing for water service.

CONNECTION DETAILS
Thread and flange dimensions as specified on Page 9.

Note: For data security reasons, the internal parts arrangement is shown for illustrative purposes only.

Rotational Mechanical Solutions



CONNECTIONS

DN	Model	A	B	C	D
25	WB1000-25-10	R1	Rp3/8	Rc3/4	Rc1/2
32	WB1000-32-15	R1-1/4	Rp1/2	Rc1	Rc1/2
40	WB1000-40-20	R1-1/2	Rp3/4	Rc1-1/4	Rc3/4
50	WB1000-50-25	R2	Rp1	Rc1-1/2	Rc1
65	WB1000-65-32(40)	R2-1/2	Rp1-1/4 (Rp1-1/2)	Rc1-1/2	Rc1-1/4 (Rc1-1/2)
80	WB1000-80-40(50)	R3	Rp1-1/2 (Rp2)	Rc2	Rc2
100	WB1000-100-65	R4	Rp2-1/2	Rc2-1/2	Rc2-1/2

MAIN DIMENSIONS | mm

DN	Model	F	I	M	H	H1	K	L	L1	L2	L3	Dia. N
25	WB1000-25-10	33	10	82	74	56	23	48	158	143	99	23
32	WB1000-32-15	38	12	93	87	66	30	53	182	167	113	31
40	WB1000-40-20	43	12	98	96	71	40	60	202	183	122	38
50	WB1000-50-25	51	16	119	118	92	45	66	240	220	148	49
65	WB1000-65-32(40)	62	12	80	150	99	46	73	267	239	165	64
80	WB1000-80-40(50)	72	14	85	165	105	55	75	293	261	175	75
100	WB1000-100-65	90	16	100	205	133	60	107	365	312	210	98

RSP PIPE & FLANGE DIMENSIONS | mm

DN	RSP Pipe	B-X	Flange	Dia. O	Dia. P	Dia. Q	R	S	T	Dia. U	Dia. V
25	WB1000-RSP-25-10	16	-F	34	85	115	16	10	4	14	31
32	WB1000-RSP-32-15	19	-F	44	100	40	8	12	4	18	41
40	WB1000-RSP-40-20	25	F	49	110	150	8	12	4	18	46
50	WB1000-RSP-50-25	31	-F	60	125	165	20	15	4	18	56
65	WB1000-RSP-35-32(40)	40(46)	-F	78	145	185	20	18	4	18	74
80	WB1000-RSP-80-40(50)	46(55)	F	90	160	200	20	20	8	18	86
100	WB1000-RSP-100-65	73	F	118	180	220	22	22	8	18	113

- All dimensions are in millimeters.
- Drawing not to scale.