

Rotary Joints

Monoflow and Dualflow

Rotary Joints

Series LPMF 101/LPDF 201

Standard Style

Face Materials:

Carbon / Silicon Carbide

Metal Parts:

SS 304, Brass, Aluminium

Secondary Seal :

Elastomer

Applications:

- Water
- Coolant
- Oil
- Steam
- Air

Operating Limits:

Pressure p : 10 bar

Temperature t : 120°C

Size Range : 3/8" to 2.0"

Speed up to:

3500 RPM for Straight threads 3/4" size & below

3000 RPM for Straight threads 1" size

2500 RPM for Straight threads 1.1/2" & 1.1/4" size

750 RPM for Straight threads 2" size

Rotor connection options :

BSP, NPT, UNF, UNC, METRIC THREAD are available. Built in Flange connection and quick change Flange connection are also available.

No External support required :

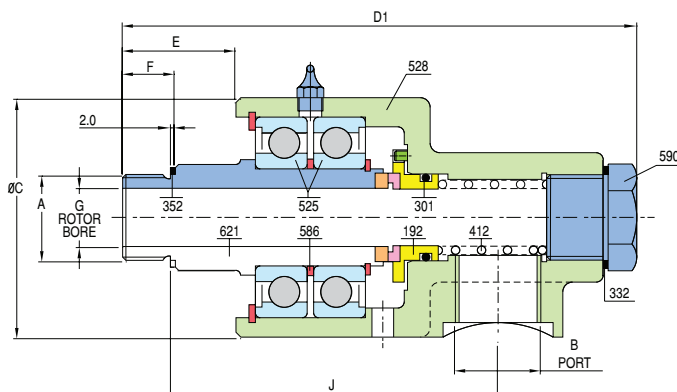
Self supporting on two precision Ball Bearings far enough to reduce vibration & wobbling.

Balanced Mechanical Seal :

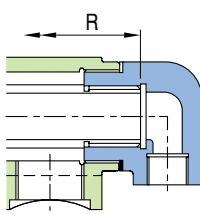
Minimises operating torque & enhances life. Seal faces are self lubricating. Carbon (Resin impregnated) and Silicon Carbide with suitable elastomeric secondary sealing. Or as per the requirement.



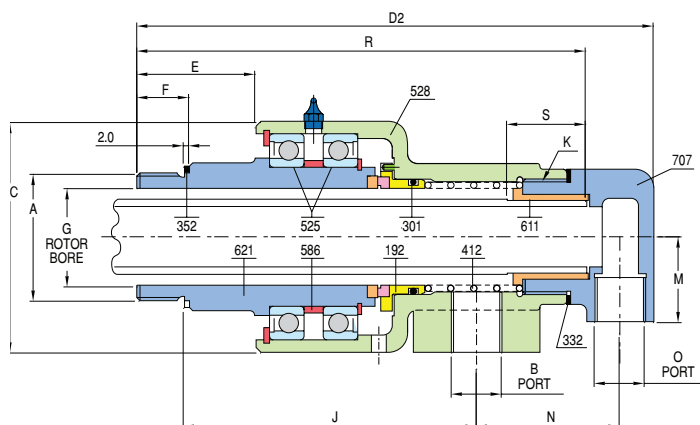
MONOFLOW Series LPMF 101



DUALFLOW with FIXED SUPPLY PIPE



DUALFLOW Series LPDF 201



Part No. Description

192	Seal Ring
301	O - Ring
332	Gasket
352	Gasket
412	Spring
525	Bearing
528	Bearing Housing
586	Spacer
590	Plug
611	Bush
621	Rotor
707	Elbow

Part No. Description

Body	Brass / Aluminium
Rotor	SS 304
Elbow	SS 304
Plug	SS 304
Spring	SS 304
Bush	CFT
Faces	Carbon - R / Sic in SS 304
Elastomers	Viton Nitrile Neoprene

A ROTOR THREADS	B PORT	C	D1	E	F	NOM. SIZE G ROTOR BORE	J	DUALFLOW											
								D2	K	M	N	O PORT	FIXED SUPPLY PIPE			ROTATING SUPPLY PIPE			
													THREADS	PIPE OD	R	PIPE SIZE	PIPE DIA	S	R
3/8" BSP	3/8" BSP	55	132	26	16.0	10.0	85.5	145	3/8" BSP	18	35	1/4" BSP	—	—	—	6.35	<u>6.00</u> 5.95	18	123
1/2" SP	1/2" BSP	55	148	34	19.0	13.0	91.0	168	1/2" BSP	18	46.5	3/8" BSP	1/8" BSP	10.3	137	1/8" NB	<u>9.42</u> 9.40	25	143
3/4" BSP	3/4" BSP	66	155	34	19.0	18.0	97.5	182	3/4" BSP	26	53	1/2" BSP	1/4" BSP	13.7	142	1/4" NB	<u>12.60</u> 12.57	30	155
1" BSP	1" BSP	80	182	42	21.5	24.0	114.0	210	1" BSP	27	62	1/2" BSP	3/8" BSP	17.1	167	3/8" NB	<u>15.80</u> 15.75	35	183
1¼" BSP	1¼" BSP	102	220	54	27.0	30.0	136.0	251	1¼" BSP	35	72	3/4" BSP	1/2" BSP	21.3	200	1/2" NB	<u>19.92</u> 19.87	38	218
1½" BSP	1½" BSP	108	240	61	28.6	36.0	149.5	272	1½" BSP	38	78	3/4" BSP	3/4" BSP	26.7	220	3/4" NB	<u>25.40</u> 25.35	45	236.5
1¾" BSP	1¾" BSP	114	245	63	28.6	42.0	153.5	285	1¾" BSP	38	87	3/4" BSP	3/4" BSP	26.7	230	3/4" NB	<u>25.40</u> 25.35	44	249
2" BSP	2" BSP	124	258	65	28.6	47.0	164.0	295	2" BSP	38	87	1" BSP	3/4" BSP	26.7	241	3/4" NB	<u>25.40</u> 25.35	44	259