

# 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.

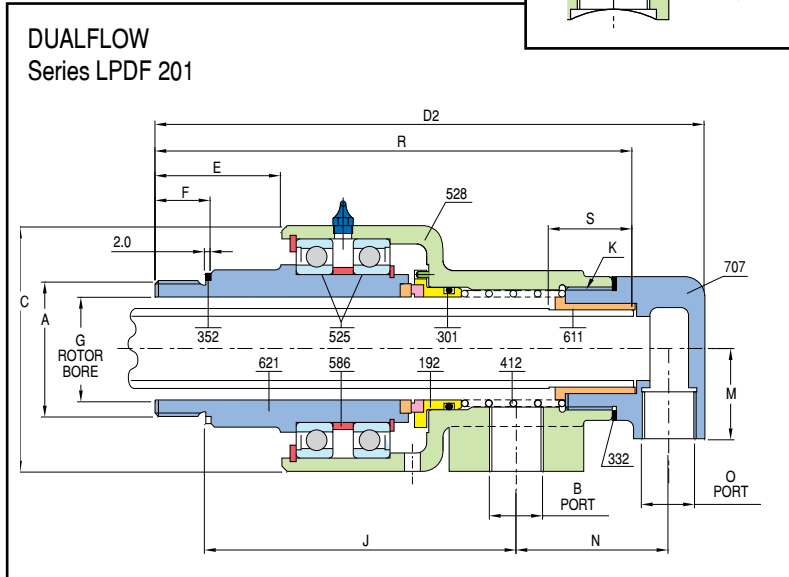
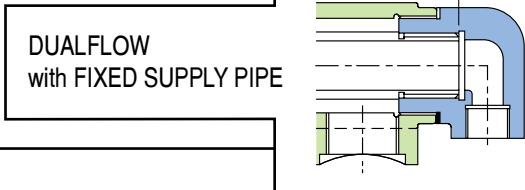
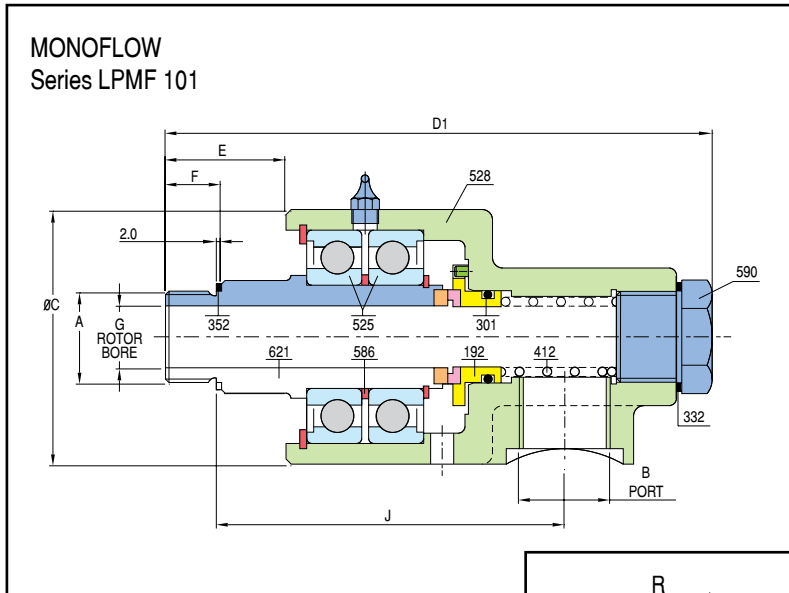
## ***Leak-Proof Engineering (I) Pvt. Ltd.***

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**AN ISO 9001 : 2000 COMPANY**



**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
1 1/4" BSP	1 1/4" BSP	102	220	54	27.0	30.0	136.0	251	1 1/4" BSP	35	72	3/4" BSP	1/2" BSP	21.3	200	1/2" NB	<u>19.92</u> 19.87	38	218
1 1/2" BSP	1 1/2" BSP	108	240	61	28.6	36.0	149.5	272	1 1/2" BSP	38	78	3/4" BSP	3/4" BSP	26.7	220	3/4" NB	<u>25.40</u> 25.35	45	236.5
1 3/4" BSP	1 3/4" BSP	114	245	63	28.6	42.0	153.5	285	1 3/4" 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

*In the interest of continuous development we reserve the right to alter our designs and specifications without prior notice.*