



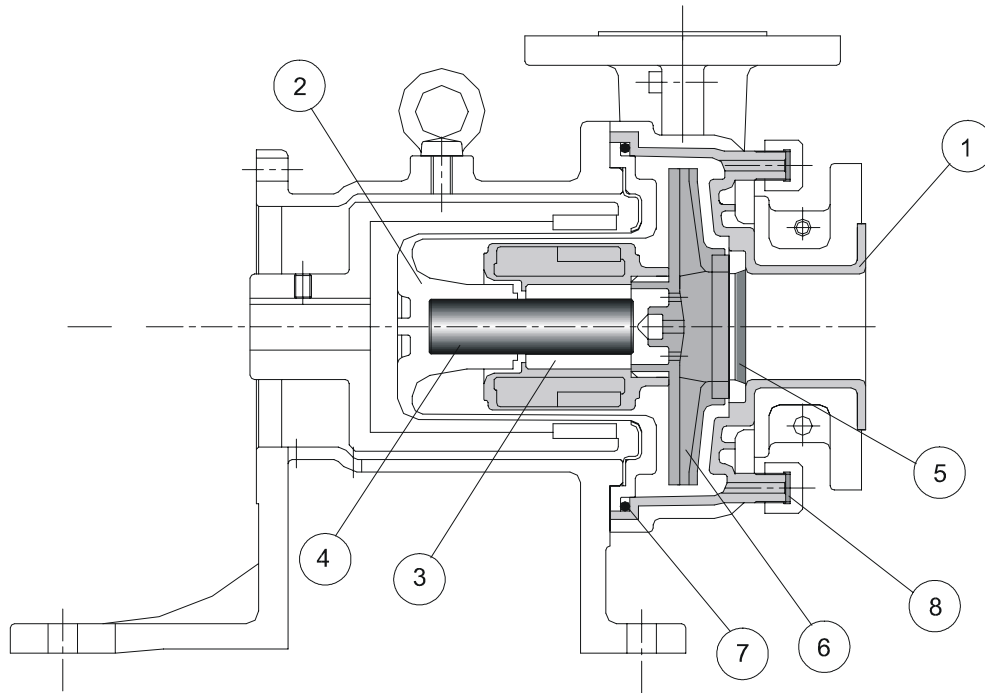
## MDF-L Specifications

Model	Connections Suct x Disch	Impeller Code	Max Capacity @60Hz (GPM)	Max Head (ft)	Min Flow rate (GPM)	Motor (RPM)	Motor (HP)
250	1 x 1	G	35	55	2.5	3450	3/4
		X	45	36			1 1/2
401	1 1/2 x 1 1/2	G	70	71	5.3		2
422	2 x 1 1/2	P	60	95			3
		X	85	80			
423		P	70	105			5
		X	120	84			
425		P	150	135	13.2		

Notes:

- Rated performance (head/capacity) represents the maximum discharge head/capacity measured with water at 68°F (20°C).
- Liquid temperature range: ETFE type: 32 - 194°F (0 - 90° C)  
Some models may be operated in a temperature of 194 - 212°F (90 - 100°C).  
Consult Iwaki America or your distributor.
- Slurry: In general, slurries should not be handled. However, a pump with a ceramic bearing system, AA, can handle slurries if the hardness is 80Hs or below, with a maximum grain size of 2 MIL (50 microns) and maximum density 5% wt.  
Contact Iwaki America or your distributor for details.

■ **Materials of Main Components**



**Figure 1**

Parts	CF	AA
1. Casing liner	<b>20% carbon reinforced fluoroplastic ETFE</b>	
2. Containment shell		
3. Bushing	<b>High density carbon</b>	<b>99.8% alumina ceramic</b>
4. Shaft	<b>99.8% alumina ceramic</b>	
5. Thrust collar, inboard		
6. Impeller	<b>20% carbon fiber reinforced fluoroplastic ETFE</b>	
7. O-ring	<b>FKM/EPDM/AFLAS/Teflon</b>	
8. Gasket	<b>Teflon w/optional backing materials (EPDM/FKM/AFLAS)</b>	