



# Liquid Ring Vacuum Pumps

## MLR Series



### Range :

Suction Capacity : Up to 850 M3/Hr.  
Max. Vacuum : Up to 710 MM-Hg.  
Size : Up to 125 MM.

### Design :

- MLR Series pumps are designed with improved concept in Liquid Ring Technology.
- Machined to close tolerances ensures highest efficiency.
- Designed for continuous duty applications.
- Dynamically balanced impeller with aerodynamic design.

### Applications :

- These pumps are used to handle air, gas, water, liquid etc...
- These pumps are used in the industries like
  - Paper
  - Chemicals
  - Fertilizer
  - Distilleries
  - Railways
  - Asbestos etc...
  - Sugar
  - Marine
  - Mines
  - Textiles
  - Tyre
  - Coal Washeries in Power Plants
  - Pharmaceuticals
  - Food Processing
  - Solvent extractions
  - Oil Refineries

## LIQUID RING VACCUM PUMPS

### STANDARD MOC AVAILABLE IN DIFFERENT TYPE

ITEM NAME	TYPE A	TYPE B	TYPE C	TYPE D	TYPE E	TYPE F	TYPE G	TYPE H	TYPE I	TYPE J	TYPE K	TYPE L	TYPE M
Casing	CI	CF8M	CF8	CS	CI	CI	CI	CF3M	CI	CI	CF7M	CS	CI
Suction Discharge Flanges	CI	CF8M	CF8	CS	CI	CI	CI	CF3M	CI	CI	CF7M	CF8M	CF8
Casing Liner	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	SS 316	SS 304
Casing Cover	CI	CF8M	CF8	CS	CI	CI	CI	CF3M	CI	CI	CF7M	CS	CI
Rotor	CI	CF8M	CF8	CS	CF8M	CF8M	Bronze	CF3M	CF8	CF8	CF7M	CF8M	CF8
Shaft	SS 410	SS 316	SS 304	SS 410	SS 316	SS 316	SS 410	SS316L	SS304	SS304	Alloy 20	SS 316	SS304
Sleeve*	SS 410	SS 316	SS 304	SS 410	SS 316	SS 316	SS 410	SS316L	SS304	SS304	Alloy 20	SS 316	SS304
Control Disc	CI	CF8M	CF8	CS	CI	CF8M	CI	CCF3M	CI	CF8	CF7M	CF8M	CF8
Ball Support	MS	SS 316	SS 304	MS	MS	SS 316	MS	SS 316L	MS	SS 304	Alloy 20	SS 316	SS 304
Balls	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
Gland Cover	CI	CF8M	CF8	CS	CI	CI	CI	CF3M	CI	CI	CF7M	CF8M	CF8
Fastners (Internal)*	MS	SS 316	SS 304	MS	SS 316	SS 316	MS	SS 316L	SS 304	SS 304	Alloy 20	SS 316	SS 304
Fastners (Externals)**	MS	SS 304	SS 304	MS	MS	MS	MS	SS 304	MS	MS	SS 304	MS	MS
A.D. Valve	Nylon	Nylon	Nylon	Nylon	Nylon	Nylon	Nylon	Nylon	Nylon	Nylon	Nylon	Nylon	Nylon
Gland Packing	Graphited Asbestos	100% Pure PTFE	100% Pure PTFE	Graphited Asbestos	100% Pure PTFE	100% Pure PTFE	Graphited Asbestos	100% Pure PTFE	100% Pure PTFE	100% Pure PTFE	100% Pure PTFE	100% Pure PTFE	100% Pure PTFE

\* Not Applicable for the Pump Models MLR 0330 / MLR 0530 / MLR 7530

\*\* Not wetted component

### MATERIAL GRADES

CI	Cast Iron (IS 210 FG 260)	SS 304	ASTM A 276 Gr. 304
CF8	ASTM A 351 Gr.SS 304	SS 316	ASTM A 276 Gr. 316
CF8M	ASTM A 351 Gr.SS 316	SS 316L	ASTM A 276 Gr. 316L
CS	ASTM A 216 Gr. WCB	Alloy 20	ASTM A 276 Gr. Alloy 20
CF3M	ASTM A 351 Gr. SS 316L	MS	Mild Steel
CF7M	ASTM A 351 Gr. Alloy 20	Bronze	IS 318 Gr. LTB2

**NOTE 1 : Other material combinations are available on request.**

### PERFORMANCE TABLE

Pump Model	Specifications			
	Motor HP	Speed RPM	Suction M3/HR	Water LPM
MLR-0330	3	2880	31	4.0
MLR-0430	5	2880	50	6.0
MLR-0530	5	2880	81	9.0
MLR-7530	7.5	2880	121	13.0
MLR-7515	7.5	1440	175	16.0
MLR-1015	10	1440	220	20.0
MLR-1515	15	1440	330	28.0
MLR-2015	20	1440	440	35.0
MLR-3010	30	980	725	55.5
MLR-4010	40	980	850	70.0



### MERU ENGINEERS

H.O. : 108, New Cloth Market, Outside Raipur Gate,  
Ahmedabad- 380 002.

Works : A/54, Shiv Shakti Industrial Estate,  
Near Choksi Tube, Phase-I, GIDC, Vatva,  
Ahmedabad-382 445

Tele/fax (H.O.) : +91-79-22161353

Tele/fax (Works) : +91-79-25891218 / 25892813

E-mail : sales@meru-group.net  
info@meru-group.net

Website : www.meru-group.net