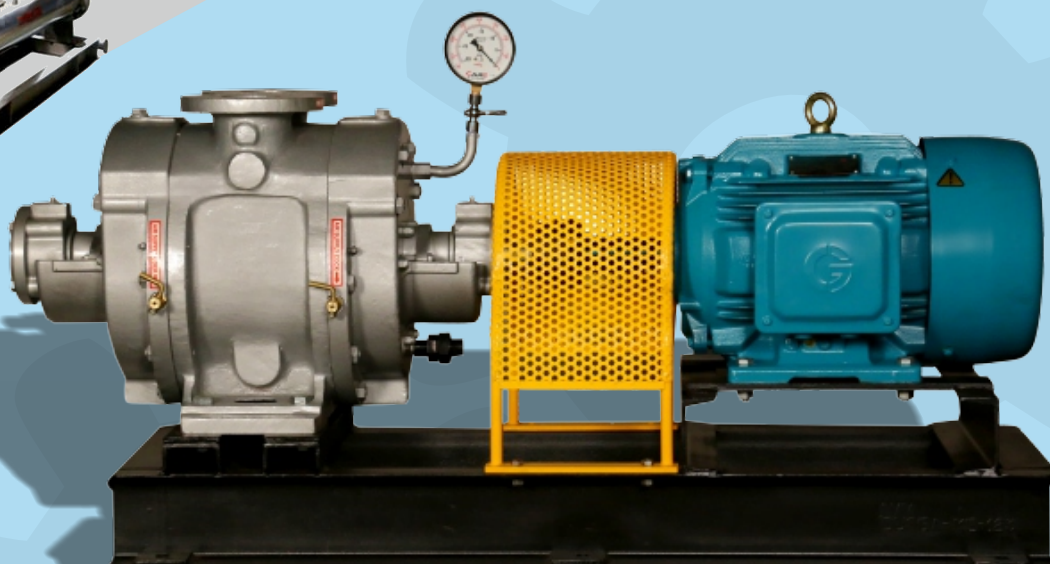


www.jdvacuumservices.com



Manufacturer & Supplier :
Water Ring Vacuum Pump

always **Different**
always **Unique**

INTRODUCTION :

JD Vacuum Service introduces a new Liquid Ring Technology(LRT) vacuum pumps. Developed by our highly experienced engineers, these pumps are designed to handle air, gas and vapor. Our pumps provides superior performance wherever there is a need for evaporation, drying, pulverization or impregnation under vacuum.

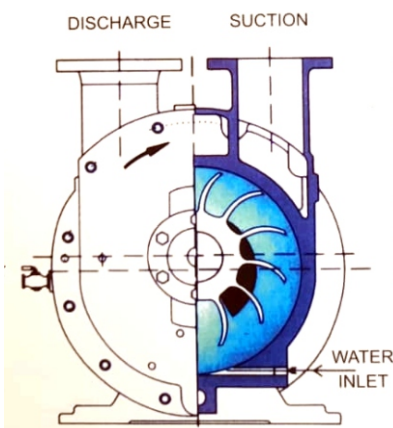
ASSURED QUALITY :

JD Vacuum Service All pumps are tested as per BS 1571 part-1 1975 for listed capacity and are guaranteed for 12 months of trouble free operation and defective parts in normal condition.

WIDE CHOICE OF MATERIAL :

• Type : Materia

A = Complete Cast Iron
 B = Partial S.S. 304
 C = Complete S.S 304
 D = Partial SS-316
 E = Complete SS-316
 PB = Partially Ph. Bronze
 CIRL = Cast Iron With Rubber
 Lining Other Material can be supplied as per requirements.



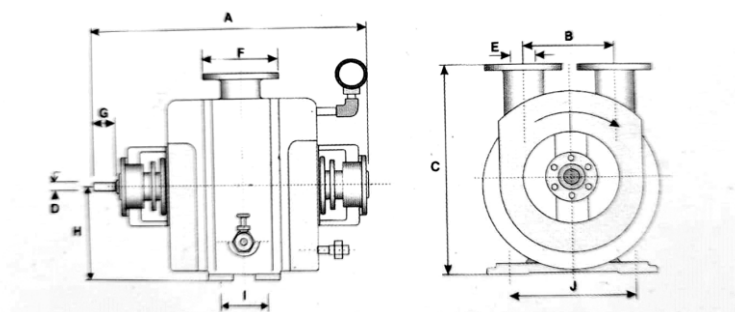
View from Driving End

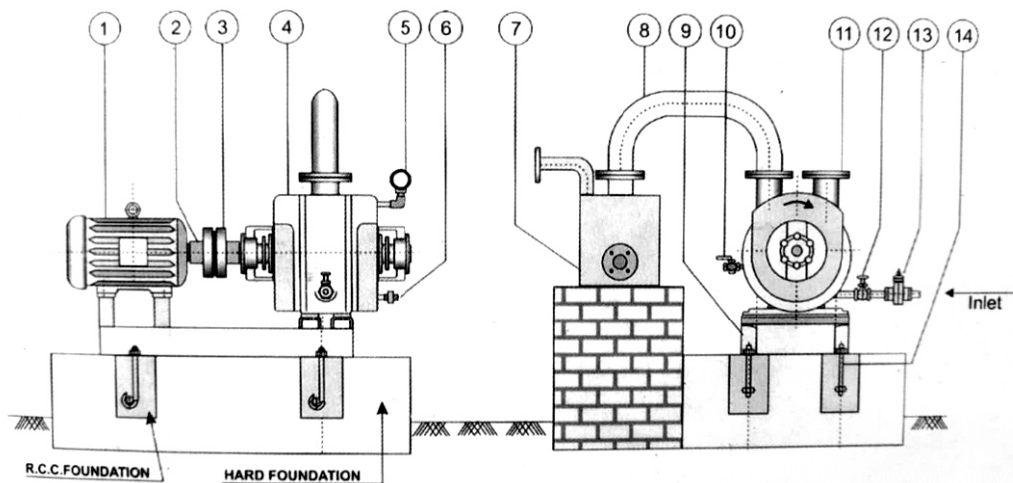
APPLICATIONS :

- Vacuum Filtration
- Vacuum Distillation
- Moisture Extraction
- Condensation
- Evaporation
- Priming
- Removing Water from Paper Pulp

SPECIFICATIONS

TYPE JDWV	Rpm Speed	Suction Capacity M ³ /Hr	Motor Hp	Water Consumption L/Min	Frame Size	A	B	C	D	E	F	G	H	I	J
1	2850	50	3	7	90 L	365	130	265	19	25	-	40	120	-	200
2	2850	80	5	10	100 L	410	130	265	19	32	-	40	120	-	230
3	2850	120	7.5	14	112 M	450	130	265	19	40	-	40	120	-	230
4	1440	160	7.5	15	132 S	630	200	465	32	60	150	55	220	70	300
5	1440	220	10	20	132 M	665	200	465	32	60	150	55	220	70	300
6	1440	330	15	30	160 M	760	200	465	32	80	190	70	220	130	300
7	1440	440	20	40	160 L	830	200	465	32	80	190	70	220	200	300
8	980	720	30	60	200 L	895	290	700	40	125	245	100	320	150	400
9	980	845	35	80	225 M	955	290	700	40	125	245	100	320	290	400
10	980	1080	40	100	225 M	1035	290	700	40	125	245	100	320	290	400
11	725	1500	65	150	315 S	1150	370	850	65	200	330	110	420	270	620
12	725	2025	90	200	315 L	1300	370	850	65	200	330	110	420	420	620





No.	Description	No.	Description	No.	Description	No.	Description
1.	Motor	5.	Vacuum Gauge	8.	Silencer Bend	11.	Matching Flange
2.	Coupling	6.	Automatic Drain Valve	9.	Base Frame	12.	Ball Valve
3.	Coupling Link	7.	Silencer	10.	Air Cock For Low Vacuum	13.	Stop Cock
4.	Vacuum Pump					14.	Foundation Bolts

Close Coupled (Mono Block) Vacuum Pump

INTRODUCTION :

JD Vacuum Service close coupled (Mono block) Liquid-Ring vacuum pumps are very compact, easy to install, assemble with smooth operation. These pumps are assembled directly to motor flange & shaft. The pump develop maximum vacuum of 700 to 710 mm of Hg. When sealing water temperature of 30° C (Barometric Pressure 755 mm of Hg. & Suction Temp. 30°C)



APPLICATIONS :

- Laboratory Usage
- Priming Purpose
- Pilot Plants
- Filtration Process
- Drying

SALIENT FEATURES :

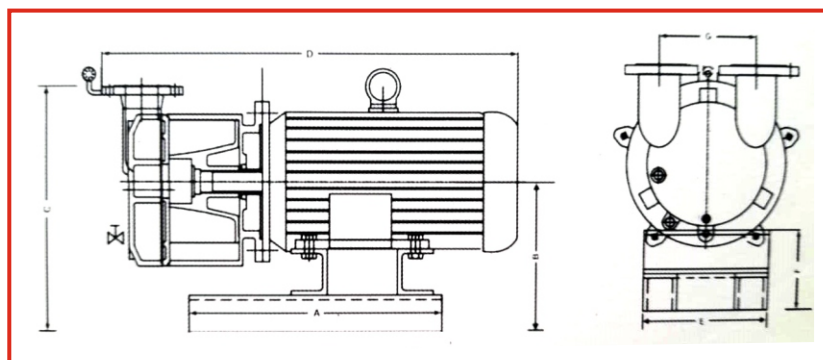
- Compact & Mobile
- Trouble Free Operation
- Easy to Maintenance
- Zero Leakage Due to Mechanical Seal

RANGE :

- Capacity: 20 M³/hr to 220M³/hr
- Vacuum: 710 mm/hg
- Power: 1 HP to 7.5 HP

MATERIAL OF CONSTRUCTION :

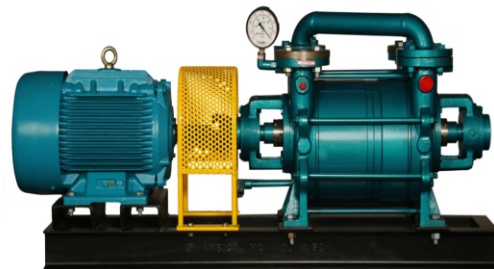
Cast Iron, SS 304, SS 316. Bronze, Gun Metal & as per process requirement



Type Of Pump	Speed Rpm	Suction Capacity M ³ /Hr	Motor Hp	Suction Discharge MM
JDM-0	2850	20	1	25
JDM -1	2850	35	2	25
JDM -2	2850	50	3	25
JDM -3	1440	110	5	40
JDM -4	1440	175	7.5	50

INTRODUCTION :

JD Vacuum Service Two Stage Water Ring Vacuum Pumps are better design than single stage vacuum pumps, having advantage of higher capacity at high vacuum and also requires low quantity of water at low pressure compare to single stage vacuum pump. Two stage vacuum pumps develops maximum vacuum of 720 mm of Hg. when sealing water temperature is 30°C (755 mm of Hg Barometric pressure & suction temperature of 30° C) due to its latest technology and design, it also happen that a smaller model may require as compare to single stage vacuum pump.



APPLICATIONS :

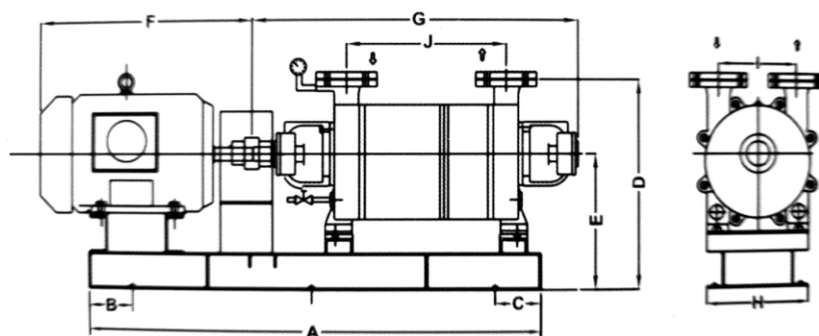
- Dehydration and filtration processes
- Distillation, Evaporation & Drying
- Deodorization, Evacuation
- Sterilizing, Conveying
- Venting & Sucking
- Moisture extraction, Concentration

RANGE :

- Capacity: 81 M³/hr to 1200 M³/hr
- Vacuum: 720 mm of Hg
- Power: 2 HP to 40 HP

MATERIAL OF CONSTRUCTION :

- Cast Iron, SS 304, SS 316, Bronze, Gun Metal & as per process requirement



TECHNICAL SPECIFICATION

Model No.	A	B	C	D	E	F	G	H	I	J
JDTW-2										
JDTW-3										
JDTW-5										
JDTW-5	900	150	150	485	320	385	615	275	200	270
JDTW-7.5	1000	150	150	485	320	470	705	275	200	270
JDTW-10	1100	150	150	568	368	508	785	320	235	465
JDTW-15	1250	125	125	568	368	588	885	320	235	575
JDTW-20	1450	125	125	568	368	625	1020	320	235	720
JDTW-25	1500	150	150	590	370	647	896	840	240	566
JDTW-30	1500	150	150	950	370	720	1020	340	240	600
JDTW-40	1780	140	140	685	325	785	1225	400	250	375

Model No.	Max. Capacity (M ³ / hr)	Water Required (LPM)	Rec. Motor HP/RPM
JDTW-2			
JDTW-3			
JDTW-5			
JDTW-5	90	7	5/1440
JDTW-7.5	160	9	7.5/1440
JDTW-10	220	14	10/1440
JDTW-15	330	20	15/1440
JDTW-20	460	24	20/1440
JDTW-25	580	30	25/1440
JDTW-30	725	40	30/1440
JDTW-40	1200	60	40/1440