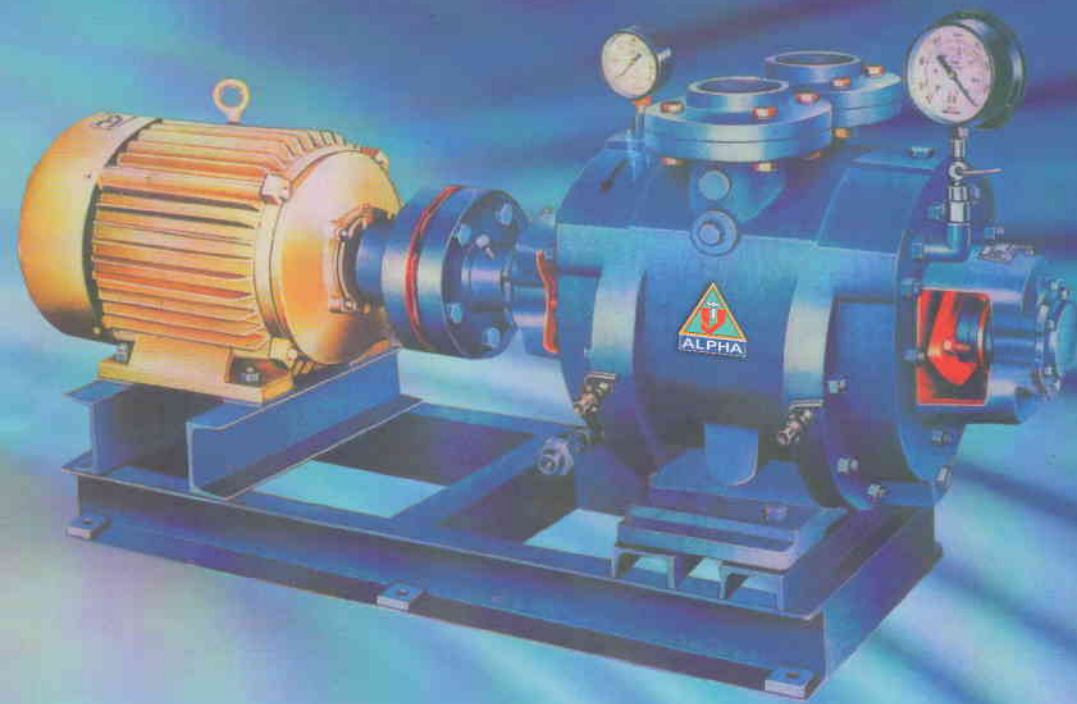


The trusted name in



.... Water-Ring
Vacuum Pumps
Compressors



Introduction

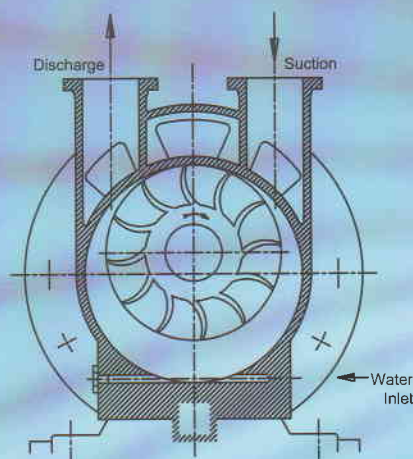
The application of liquid-ring Vacuum Pumps are for Distilling, Drying, Condensing, Conveying, Draining, Evaporating, Cooking, Venting & Sucking.

These Pumps are designed to handle Air, Gas, Vapour, with liquid parts in suspension.

Liquid-ring pumps are being used in chemical, Petro Chemical, Food Processing Oil, Solvent, Sugar, Paper Industries & Lamination Plants.

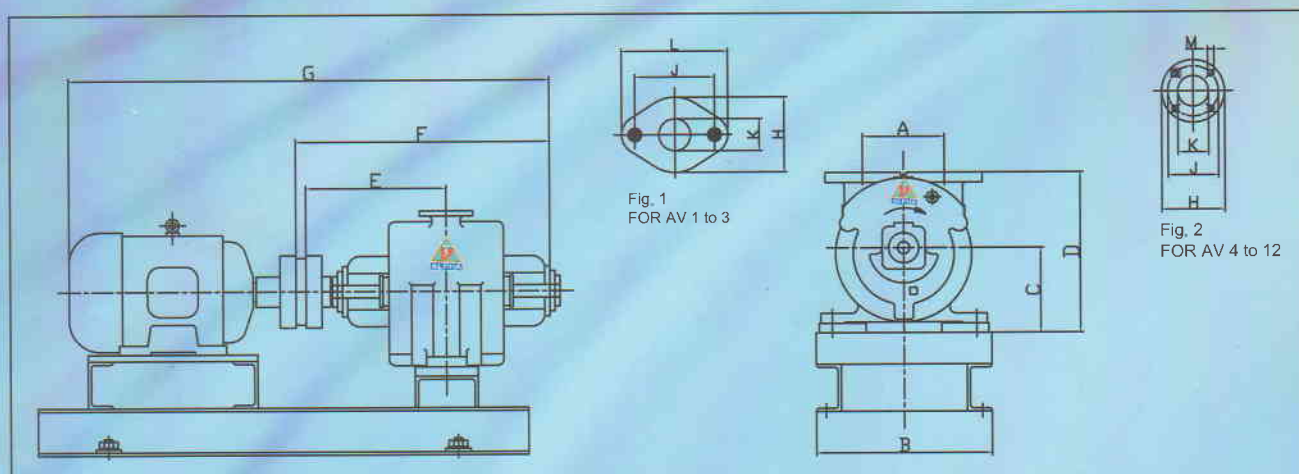
Material of Construction :

- * Cast Iron
- * Partially or Complete SS304, SS316, Bronze, Alloy 20, Hastalloy - C.
- * Rubber Lined.
- * Other Material also available as per customer's Requirement.



Application :

- * Moisture Extracting
- * Vacuum Filtration
- * Solvent Recovery
- * Priming
- * Vacuum Distillation
- * Pneumatic Conveying
- * Removing Water from Paper Pulp
- * Evaporation



Type	Speed Rpm	Suction Capacity M ³ / hr	Recom- mended Motor H.P. ^v	Water Consumption L / min	Frame Size	A	B	C	D	E	F	G	H	J	K	L	M
AV-1	2850	51	3	7	90 L	130	280	120	240	226	358	692	70	75	25	100	M10
AV-2	2850	80	5	10	100 L	130	280	120	240	223	404	781	90	90	32	120	M12
AV-3	2850	120	7.5	14	112 M	130	280	120	240	243	443	840	100	100	40	130	M12
AV-4	1450	160	7.5	15	132 S	200	370	220	440	345	627	1088	150	120	60	--	4 x Ø15
AV-5	1450	220	10	20	132 M	200	370	220	440	363	663	1162	150	120	60	--	4 x Ø15
AV-6	1450	330	15	30	160 M	200	450	220	440	418	758	1362	190	150	80	--	4 x Ø18
AV-7	1450	440	20	40	160 L	200	450	220	440	453	829	1477	190	150	80	--	4 x Ø18
AV-8	980	720	30	60	200 L	290	560	320	650	494	894	1668	240	200	125	--	8 x Ø18
AV-9	980	845	35	80	225 M	290	560	320	650	524	954	1804	240	200	125	--	8 x Ø18
AV-10	980	1080	40	100	225 M	290	560	320	650	564	1034	1884	240	200	125	--	8 x Ø18
AV-11	725	1500	65	150	315 S	800	800	410	840	624	1139	2309	320	280	200	--	8 x Ø18
AV-12	725	2025	90	200	315 M	800	800	410	840	699	1289	2510	320	280	200	--	8 x Ø18

Max vacuum by water-ring vacuum pump 710 mm of H.G. dimension 'G' indicated are corresponding with standard frame size of motor



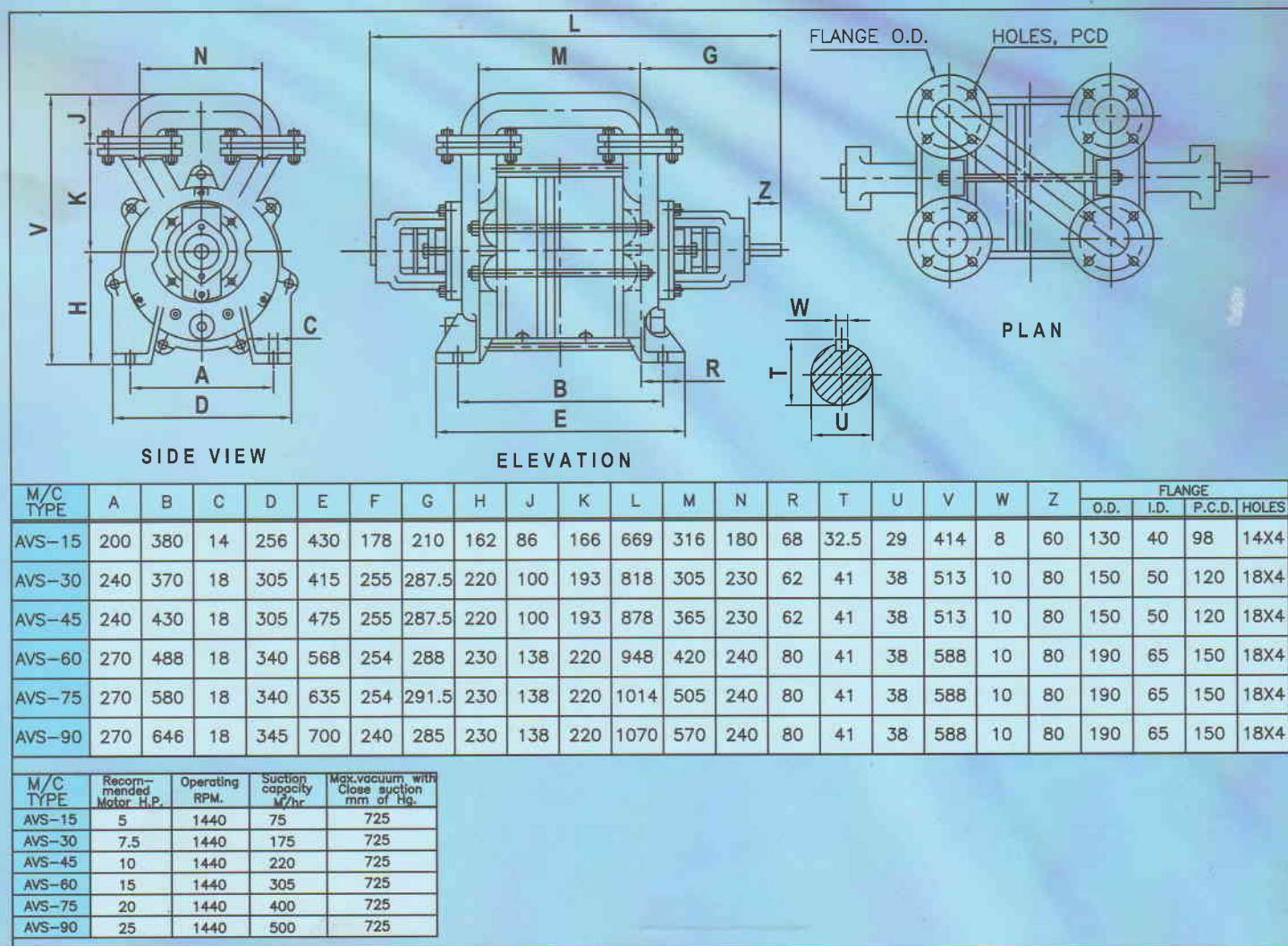
Two Stage vacuum Pump :

To Save Energy in the Distillation Process Or For Requirement of better result it has become essential to get more vacuum in the system / plants.

Two stage vacuum pumps are recommended to get more vacuum in process.

Absolute pressure 1 MM HG created by two stage vacuum pump with blank solution.

Depending upon the medium to be handled, the material of construction is designed.



ALPHA OIL SEALED, ROTARY HIGH VACUUM PUMPS



These are of oil-immersed, rotary vane type pumps. The rotor, with two spring Loaded vanes, is mounted eccentric in the stator body. As the rotor rotates the vanes sweep the crescent shape air space twice in each revolution. There is in-built non - return Valve which prevents back flow of air.

Manufactured from graded material, all moving parts are precisely machined, Ground and assembled with close tolerances. This results in increased efficiency and Long trouble free operating life.

APPLICATIONS

- * Distillation
- * Dehydration and filtration processes.
- * Exhausting Electronic Tubes, GLS Lamps, Mercury Vapour Lamps and Tubes.
- * Vacuum metallurgy, Vacuum Sublimation, Vacuum impregnation, Thin film Coating.
- * Refrigerator and Air-conditioner servicing.
- * Freeze drying of Foods.

MODEL NO.	NO. OF STAGES	FREE AIR DISPLACEMENT		ULTIMATE VACUUM mm of Hg.	DRIVE MOTOR REQD.H.P	APPROX. OIL FILLING Ltrs.
		Lt. / Min.	C.F.M.			
AO-50	1	50	1.8	0.05	0.25	2
	2	50	1.8	0.005	0.25	2
AO-100	1	100	3.5	0.05	0.25	2
	2	100	3.5	0.005	0.5	3
AO-150	1	150	5.3	0.05	0.5	3
	2	150	5.3	0.005	1.0	4
AO-300	1	300	10.6	0.05	1.0	6
	2	300	10.6	0.005	1.5	8
AO-500	1	500	17.6	0.05	1.5	7
	2	500	17.6	0.005	2.0	8
AO-750	1	750	26.5	0.05	2.0	8
	2	750	26.5	0.005	3.0	10
AO-1000	1	1000	35.3	0.05	2.0	15
	2	1000	35.3	0.005	3.0	20
AO-1500	1	1500	53.0	0.05	3.0	20
	2	1500	53.0	0.005	5.0	25
AO-2000	1	2000	70.6	0.05	3.0	25
	2	2000	70.6	0.005	5.0	30
AO-3000	1	3000	106.0	0.05	5.0	35
	2	3000	106.0	0.005	7.5	40
AO-5000	1	5000	176.5	0.05	7.5	40
	2	5000	176.5	0.005	10.0	45
AO-7500	1	7500	265.0	0.05	10.0	60
	2	7500	265.0	0.005	15.0	65
AO-10000	1	10000	353.0	0.05	15.0	65
	2	10000	353.0	0.005	20.0	75

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