

Blowers



- POWER RATING : 0.20kw TO 25kw
- MAXIMUM FLOW : 2050 m³/Hr
- MAXIMUM PRESSURE : 670 mbar
- MAXIMUM VACUUM : 640 mbar
- RING BLOWER - SIDE CHANNEL BLOWER
- REGENERATIVE BLOWER- VORTEX BLOWER
- TURBINE BLOWER- VACUUM BLOWER

- HIGH PRESSURE BLOWER
- HIGH VACUUM BLOWER
- POWER RATING : 0.55kw TO 7.5 kw
- MAXIMUM FLOW : 170 m³/Hr
- MAXIMUM PRESSURE : 1040 mbar
- MAXIMUM VACUUM : 730 mbar



- TURBO BLOWER
- CENTRIFUGAL BLOWER
- MEDIUM PRESSURE BLOWER
- RADIAL BLOWER
- POWER RATING : 0.20kw TO 15kw
- MAXIMUM FLOW : 5400m³/Hr
- MAXIMUM PRESSURE : 500 mmH₂O

INTRODUCTION

RING BLOWERS / REGENERATIVE BLOWERS / SIDE CHANNEL BLOWERS / TURBINE BLOWERS / VORTEX BLOWERS

FEATURES

The Ring Blowers are suitable for all those applications requiring considerably higher pressure, than those which can be achieved using centrifugal blower. Ring Blower are used in all those applications requiring an operating vacuum higher than the one achievable by a centrifugal blower, but not as to require the use of a vacuum pump. The rotating parts are not in contact with the casing. There is, therefore, no friction during operation and thus no internal lubrication is necessary. Air moving through the blower, therefore remains uncontaminated and is completely oil-free.

THE OTHER MAIN FEATURES ARE

- Higher pressure Ratio
- 100% oil-Free Air
- Low Noise Level (65dba Normal, 85 dba Max)
- 140 Overload protection
- $\pm 10\%$ Voltage fluctuation tolerance
- Rated for continuous duty
- IP 54 Protection
- Class F insulation
- CE approved
- Pressure Die Casted Body, Impeller & Rotar
- Low temperature rise
- Easy installation in Vertical or Horizontal Position
- No Vibration, and therefore complete Dynamic stability
- Pulsation-Free Discharge
- Cooler running, Double sealed NSK (Japan) Bearings
- Bearings are packed with high temperature Grease for long life
- Provided with inlet and outlet silencer / filter
- Compact Yet Rugged and aesthetically appealing
- Dynamically Balanced
- Minimal & Simple Maintenance
- Suitable for Environmental Protection

OPTIONAL ACCESSORIES AVAILABLE

- Pressure Relief Valve
- Suction Filter
- Non return Valve
- Pressure Gauge
- Vacuum Relief Valve
- Acoustic Enclosure

APPLICATIONS

The Ring Blowers are suitable for very wide field of applications some of them are

- To Agitate and Aerate Water in Spa/ Swirl-pool / Swimming Pool / Fishing Tanks / Aqua Culture Tanks / Planting Tanks / Concrete / Laundry
- Waste Disposal / Slurry Declogging in Waste
- Pneumatic Conveying of components/sheets/Liquids
- Blowing Away Debris/Sucking Away Debris
- During Printing Feed/Transfer of Paper Sheets/ink Drying
- Furnace Fuel Burning / Labeling / Drying
- Environmental / Pollution Control and safety equipments
- Industrial Vacuum Cleaning
- Keeping Yarn / Threads / Product in place during processing / sewing / knitting
- Provide Air Cushion to Handle Delicate Material like Eggs / Glass.
- Air Bearing / Air Mattress
- Agitation of Liquid Bath
- Medical/Dental Suction Units
- To Suck Debris / Gases From Clean Rooms / Enclosed Spaces / Tunnels / Laboratories
- Air Sampling / Monitoring Equipments
- Cable Pressurization
- Liquid / Semisolid Dispenser
- Sorting / Counting of Cards / Envelopes / Papers

TECHNICAL DATA

RING BLOWER DATA - FOR GENERAL APPLICATIONS

Model No.	Power (Kw)	Max Flow (m ³ /Hr)	Mx.Pressure (mbar)	Max Vacuum (mbar)	Model No.	Power (Kw)	Max Flow (m ³ /Hr)	Mx.Pressure (mbar)	Max Vacuum (mbar)
10	0.20	40	70	60	71	1.6	318	150	160
11	0.25	55	80	80	71	2.2	318	200	210
21	0.25	80	110	100	71	3.0	318	290	270
21	0.40	80	130	120	71	4.0	318	330	290
23	0.25	105	80	80	73	1.6	420	100	100
23	0.40	105	130	120	73	2.2	420	170	170
23	0.7	105	130	120	73	3.0	420	220	220
31	0.55	100	120	110	73	4.0	420	310	260
31	0.75	100	150	150	74	4.0	500	140	150
33	0.55	140	60	60	74	5.5	500	260	240
33	0.75	140	100	100	74	7.5	500	320	240
41	0.7	145	120	120	79	2.2	320	200	150
41	0.85	145	160	160	81	4.0	530	200	240
41	1.3	145	200	170	81	5.5	530	300	240
43	0.7	180	70	70	81	7.5	530	430	160
43	0.85	180	120	120	83	4.0	700	140	200
43	1.3	180	220	170	83	5.5	700	180	300
49	0.6	140	120	120	83	7.5	700	260	320
51	0.85	210	100	110	84	7.5	900	180	150
51	1.3	210	170	170	84	11.0	900	370	200
51	1.6	210	190	200	91	8.50	1050	210	270
51	2.2	210	270	220	91	12.50	1050	270	200
53	0.85	270	40	40	91	18.50	1050	460	280
53	1.3	270	100	100	93	8.50	1370	110	210
53	1.6	270	150	150	93	12.50	1370	190	280
53	2.2	270	230	220	93	18.50	1370	320	340
59	1.1	210	150	130	94	15.00	1940	100	12
61	1.6	265	180	160	94	20.00	1940	200	210
61	2.2	265	220	200	94	25.00	1940	270	310
61	3.0	265	280	280	94.3	15.00	2050	170	160
63	1.6	345	125	130	94.3	20.00	2050	230	250
63	2.2	345	195	200	94.3	25.00	2050	270	310
63	3.0	345	220	240					

USEFUL CONVERSION DATA:

- 1 Mbar = 0.402 in H₂O = 10.2mm H₂O=0.0295 in Hg=0.75 mm Hg = 0.0145 psi = 100 pa =10 dsPa = 100 N/m² = 0.750 Torr
- 1 M³/Hr=0.588 CFM = 35.31 Ft³/Hr = 16.67 L/Min
- 1 KW = 1.30 HP = 1000 W

**HIGH PRESSURE / VACUUM BLOWER . FOR APPLICATION
 REQUIRING HIGHER PRESSURE / VACUUM**

Model No.	Power (Kw)	Max Flow (m ³ /Hr)	Mx.Pressure (mbar)	Max Vacuum (mbar)	Model No.	Power (Kw)	Max Flow (m ³ /Hr)	Mx.Pressure (mbar)	Max Vacuum (mbar)
22	0.7	85	240	210	214	0.55	47	290	230
32	0.85	110	230	200	224	0.81	47	490	370
32	1.3	110	290	280	224	1.5	47	650	370
42	1.6	150	280	280	314	0.55	66	250	250
42	2.2	150	440	330	314	0.81	66	350	280
52	3.0	230	410	340	324	1.1	65	480	400
52	4.0	230	490	390	324	1.5	65	540	440
72	2.2	320	210	220	414	1.1	87	380	300
72	3.0	320	260	280	424	1.5	87	450	480
72	4.3	320	380	360	424	3.3	87	750	500
72	5.5	320	500	440	514	1.5	120	360	310
72	7.5	320	570	440	514	2.2	120	470	310
82	5.5	520	240	240	524	2.2	120	360	470
82	7.5	520	400	400	524	4	120	820	500
82	11.0	520	600	430	614	2.2	165	360	340
82	15.0	520	670	460	614	3.3	165	480	340
92	12.50	1110	270	300	624	3.3	165	500	460
92	16.50	1110	370	420	634	7.5	170	1040	730
92	20.00	1110	500	440					
92	25.00	1110	590	450					

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶▶ Reach us @



HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W. www.ais-india.com
www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com

Sales & Support Offices:
across the country :
Distributors & Channel
partners World Wide