# ALPHA GLOBAL

A 701 Fairdeal House, Near Swastik Cross Roads, Opp- St. Xevier's Ladies Hostel, Navrangpura, Ahmedabad 380 009. Gujarat, INDIA.
M.: +91 9825020695, 8320946269, Email : alphaindpumps@gmail.com, Website : www.alphaglobalind.com

# Vacuum Pumps:

We are a Company producing and supplying types of Vacuum Pumps. A vacuum pump is simply a pump that moves air into or out of something else. Sometimes it removes gas from an area, leaving a partial vacuum behind. Oil sealed vacuum pumps are being used in all areas of vacuum engineering. They are equally suited for both industrial production and research applications. They may be used to generate rough and medium vacuum or as backing pumps in pump combinations with Roots vacuum pumps or high vacuum pumps. Rotary vane pumps are built as one- or two stage pumps. The ultimate pressure range is depending on the variant of the pump. These pumps deliver excellent ultimate vacuum pressure, high pumping speeds and superior vapour handling capabilities with quiet operation. The offered range of pumps is widely demanded in cement, sugar, paper, textile, fertilizer and chemical industries.

**Oil Sealed Vacuum Pumps**

**Water Ring Vacuum Pumps**

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## Oil Sealed Vacuum Pumps:

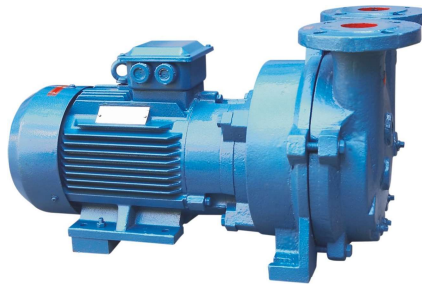| Sr. No. | Model No. | No. of Stages | Free Air Displacement C.F.M. | Ultimate Vacuum mm of Hg. | Drive Motor Reqd. H.P. | Approx. Oil Filling Liters |
|---|---|---|---|---|---|---|
| 1 | AGL50 | I | 1.8 | 0.05 | **0.25** | 2 |
| 2 | AGL50 | II | 1.8 | 0.005 | **0.25** | 2 |
| 3 | AGL100 | I | 3.5 | 0.05 | **0.25** | 2 |
| 4 | AGL100 | II | 3.5 | 0.005 | **0.5** | 3 |
| 5 | AGL150 | I | 5.3 | 0.05 | **0.5** | 3 |
| 6 | AGL150 | II | 5.3 | 0.005 | **1** | 4 |
| 7 | AGL200 | I | 7.0 | 0.05 | **0.5** | 3 |
| 8 | AGL200 | II | 7.0 | 0.005 | **1** | 4 |
| 9 | AGL300 | I | 10.6 | 0.05 | **1** | 6 |
| 10 | AGL300 | II | 10.6 | 0.005 | **1.5** | 8 |
| 11 | AGL500 | I | 17.6 | 0.05 | **1.5** | 7 |
| 12 | AGL500 | II | 17.6 | 0.005 | **2** | 8 |
| 13 | AGL750 | I | 26.5 | 0.05 | **2** | 8 |
| 14 | AGL750 | II | 26.5 | 0.005 | **3** | 10 |
| 15 | AGL1000 | I | 35.3 | 0.05 | **2** | 15 |
| 16 | AGL1000 | II | 35.3 | 0.005 | **3** | 20 |
| 17 | AGL1500 | I | 53 | 0.05 | **3** | 20 |
| 18 | AGL1500 | II | 53 | 0.005 | **5** | 25 |
| 19 | AGL2000 | I | 70.6 | 0.05 | **3** | 25 |
| 20 | AGL2000 | II | 70.6 | 0.005 | **5** | 30 |
| 21 | AGL3000 | I | 106 | 0.05 | **5** | 35 |
| 22 | AGL3000 | II | 106 | 0.005 | **7.5** | 40 |

## Water Ring Vacuum Pumps:

| SR. NO. | MODEL | Cap. In m³/hr | Recommended Motor HP/RPM | Water Consumption L/min at 30◦C & 1kg / cm² |
|---|---|---|---|---|
| **1** | AGWV – 4 | 50 | 3/2850 | 7 |
| **2** | AGWV – 7 | 80 | 5/2850 | 10 |
| **3** | AGWV – 12 | 120 | 7.5/2850 | 10 |
| **4** | AGWV – 15 | 160 | 7.5/1440 | 20 |
| **5** | AGWV – 20 | 220 | 10/1440 | 20 |
| **6** | AGWV – 30 | 330 | 15/1440 | 30 |
| **7** | AGWV – 40 | 440 | 20/1440 | 40 |

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## WATERRING VACUUM MONO-BLOCK

## Available in MoC: Partial SS-304 / SS-316 ( Control Disc and Impeller of SS)

| Sr. No. | Model | Motor HP (Crompton make NFLP IE2) | Speed RPM | Capacity m3 / hr | Water consumption L / Min. at 30⁰C | Suction Discharge mm |
|---|---|---|---|---|---|---|
| 1 | AG/LX-0 | 1 | 2850 | 20 | 3 | 25 |
| 2 | AG/LX-1 | 2 | 2850 | 35 | 3 | 25 |
| 3 | AG/LX-2 | 3 | 2850 | 50 | 4 | 25 |
| 4 | AG/LX-3 | 5 | 1450 | 110 | 10 | 40 |



## Vacuum Pump Mono-Block

## Features:

- Used to hold the vacuum in the system for longer period
- Prevents back-flow of oil to system as soon as pump stop
- Pulse-free air flows without receiver tanks
- Moist Air, Aggressive gases and vapours can be handled
- Silent and considerably vibration free running

## Application : These vacuum pumps are used in various Industries like Chemical, Petrochemical, Food processing, Oil, Solvent, Sugar, Paper industries & Lamination plants, Pharmaceutical machinery, PVC manufacturing units, Laboratories, etc,,,

# Moisture Extracting  # Vacuum Filtration  # Distillation  # Dehydration and Filtration Process
# Vacuum distillation  # Pneumatic Conveying  # Removing Water from paper pulp  # Evaporation
# Conveying / Transferring of powder, sugar, etc…

**Contact :**

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