

Турбинный вакуумный насос

Технические характеристики

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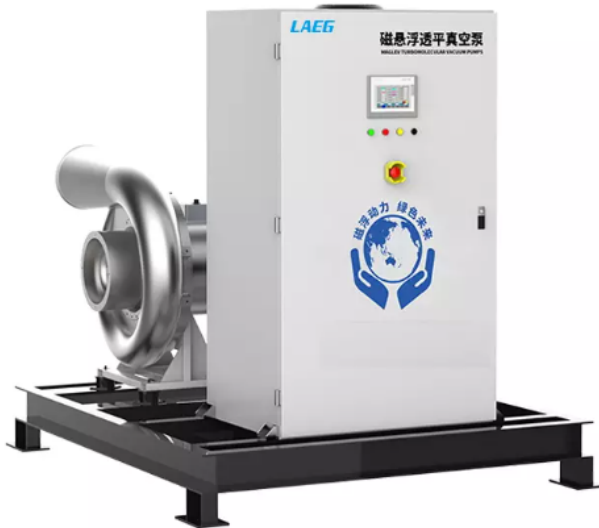
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Magnetic suspension turbine vacuum pump

Magnetic suspension turbine vacuum pump is a high-tech product with the characteristics of "energy saving, noise reduction, oil free, maintenance-free, intelligent", which is widely used in papermaking, electric power, chemical industry, food, pharmaceutical and other fields. Compared with traditional equipment, the average power saving of 40%, no oil and no water, noise as low as 80 decibels, for the enterprise to improve the quality and efficiency and green development provides important technical support.

Quantity:



Five advantages:

Active suspended magnetic bearing



The controllable electromagnetic force is used to support the rotating shaft of the turbine vacuum pump without contact and wear, which has the characteristics of no mechanical wear, low noise and no lubrication.

Hydrodynamic impeller



The high-strength aluminum alloy centrifugal impeller is made by the integrated processing of 5-axis linkage precision machine tool using the three-way flow design method. It has the characteristics of high service life while maximizing work efficiency

High efficiency frequency converter



The high efficiency inverter is used to adjust the speed of the high speed permanent magnet motor. Monitoring of equipment is possible through an integrated HMI

High speed permanent magnet synchronous motor



It adopts compact stator and filling permanent magnet rotor structure. It has the characteristics of high running speed, high efficiency and long life

Remote monitoring of the head



Deep integration of Internet technology and big data technology.
Provide information services for equipment operation and maintenance,
production optimization, environmental monitoring, etc.

Specification and model:

Model	Product specifications		
	flow rate (m ³ /m)	Vacuum degree (kPa)	Motor power (kW)
LAV055 series	90~60	10~70	55
LAV075 series	120~85	10~70	75
LAV132 series	210~140	10~70	132
LAV150 series	245~165	10~70	150
LAV200 series	330~225	10~70	200
LAV300 series	490~335	10~70	300
LAV400 series	660~435	10~70	400
LAV500 series	780~525	10~70	500
LAV600 series	980~650	10~70	600
Remarks:	The data in this table are standard parameters and main scope of work. Consult professionals for specific selection.		

Industrial application:



Papermaking



Medicine



Pyroelectricity



Petroleum



Environmental Protection



Plastics



Food and Beverage



Metallurgy



Chemical Industry

1. Applications in pulp and paper production:

Black liquid evaporation, coarse pulp washing machine, lime mud and filter, sediment filter, vacuum dewatering machine, raw material and white water degassing system, pulp mixing box compressor, suction box, volute, suction wheel and transfer rod, vacuum press, cloth suction box, blowproof box.

2. Application in petrochemical industry:

Gas recovery, gas recovery, gas pressure boost, enhanced oil recovery, gas collection, raw oil stabilization, raw Oil vacuum distillation, exhaust compression, steam recovery/gas boost, filtration/wax removal, tail gas recovery, polyester production, PVC production, chlorine packaging, circulation gas compression, pressure swing adsorption (PSA), liquid chlorine production, acetylene and hydrogen and other flammable and explosive gas compression, raw Overhead vacuum system in oil vacuum distillation, vacuum crystallization and drying, vacuum filtration, vacuum conveying of various materials.

3. Application in pharmaceutical industry:

Drying (tray, rotary, flip, cone and freeze dryers), reproduction/reactor drying, distillation, degassing, crystallization/vaporization, charging and/or material transfer.

4. Application in the power industry:

Condenser vacuum, vacuum water absorption, flue gas desulfurization, fly ash transport, turbine seal tube exhaust, vacuum exhaust, exhaust geothermal gas.

5. Application in plastics industry:

Extruder degassing, shaping table (profile), EPS foaming, drying, pneumatic conveying device, vinyl chloride gas extraction and compression.

6. Application in environmental protection industry:

Wastewater treatment, biogas compression, vacuum water addition, wastewater purification/activated sludge tank oxidation, fish pond ventilation, garbage generated gas recovery (biogas), biogas recovery, waste disposal.

7. Applications in the food and beverage industry:

Salmon cleaning machine, mineral water degassing, salad oil and fat deodorization, tea and condiments, sausage and ham production, tobacco products humidification.

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