

Dry Diaphragm Vacuum Pump

Product Technical Sourcing Proposal
Pumps & Compressors



Real supplier reference image. Final brand, model and appearance depend on selected quotation.

RECOMMENDED SUPPLY CONFIGURATION

Select from the confirmed fluid or gas, required flow and discharge pressure/head, operating duty, material compatibility, driver power and site conditions—not from connection size alone.

Product Overview, Applications & Primary Use

Dry diaphragm vacuum pump requiring no oil, ideal for labs and sensitive packaging.

Technical sourcing approach

- Confirm the real operating duty and site conditions before comparing models.
- Compare supplier quotations against one common technical specification.
- Require a factory test, drawings, manuals and a critical-spares list.
- Plan freight, inspection, installation interfaces and after-sales support before purchase.

Applications and primary use

- Moving or compressing the specified medium at the required flow and pressure.
- Continuous or intermittent industrial service after confirming the real duty point.
- Replacement duty where dimensions, connections and driver ratings must match.
- New installations with suction, piping, ventilation and controls reviewed.

Packing and shipping



Product-Specific Technical Specification

Selection parameter	Required function / value	Buyer or site input
Medium	Compatible with fluid/gas composition and temperature	Provide data sheet and contaminants
Rated flow	Deliver required flow at the actual duty point	State normal, minimum and maximum flow
Pressure or head	Overcome system resistance at rated flow	Provide suction and discharge conditions
Materials	Resist corrosion, erosion and process temperature	State wetted-part requirement
Driver	Motor or engine sized for continuous duty and starting	State voltage/frequency or fuel
Seal/lubrication	Suit leakage, cleanliness and maintenance limits	State seal standard and oil-free need
Controls/protection	Provide safe start, stop and alarm functions	List VFD, pressure and remote-control needs
Installation	Match base, connections, ventilation and noise limits	Provide layout and environment

Buyer checklist and quotation requirements

- State medium composition, temperature, density and solids or moisture content.
- Provide required normal/minimum/maximum flow and discharge pressure or head.
- State suction pressure, elevation and piping arrangement.
- Confirm wetted materials, seal type and leakage restrictions.
- State continuous/intermittent duty and expected operating hours.
- Confirm power supply, controls, hazardous area and noise limits.
- Request performance curve, test certificate and recommended spares.

Final technical parameters, included accessories and acceptance criteria must be confirmed in the supplier quotation, test report and purchase contract. Do not purchase from photographs alone.

Indicative Product Pricing & Supply Guide

PRODUCT QUOTATION BASIS

Final pricing for Dry Diaphragm Vacuum Pump follows the confirmed technical specification, required rating or capacity, included accessories, inspection scope, delivery terms and destination.

Supply component	Indicative planning range	Quotation basis
Pump or compressor package	US\$3k-30k	Selected at confirmed duty point
Motor, controls and essential accessories	US\$1k-8k	Only required protection and instruments
Freight and clearance	US\$2k-10k	Shipment based on complete package
Piping, installation and testing	US\$1k-6k	Local works where practical
Low-entry package total	US\$7k-54k	Final price follows medium and duty

Technical sourcing and delivery process

Phase 1	Define requirement and request comparable quotations - 1 to 2 weeks
Phase 2	Technical clarification, negotiation and inspection plan - 1 to 3 weeks
Phase 3	Manufacture or refurbishment - typically 3 to 10 weeks
Phase 4	Shipping and customs clearance - typically 3 to 7 weeks
Phase 5	Local installation, training and trial operation - 1 to 3 weeks

These are non-binding planning ranges. Final product price and delivered cost depend on the confirmed specification, accessories, inspection, freight, customs, exchange rate and destination.

Sanaatchi Support & Contact

- Supplier search using one confirmed product specification
- Side-by-side technical and commercial quotation comparison
- Factory test, documentation and pre-shipment inspection coordination
- Lowest-cost practical logistics planning from China to Afghanistan
- Installation-interface, spare-parts and after-sales coordination

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Supplier image references

- Supplier image reference: <https://image.made-in-china.com/2f0j00eisvmRlqwDcw/GWSP300-1phase-220V-2-6Pa-lab-industry-freeze-dryer-dry-clean-air-oil-free-oil-less-scroll-vacuum-pump-for-autoclave-is-better-than-screw-diaphragm-rotary-vane.jpg>

- Supplier image reference:
<https://image.made-in-china.com/2f0j00NchvFPRGkmoq/Customized-Dry-Diaphragm-Vacuum-Self-Priming-Centrifugal-Drainage-Pump.jpg>