

Pitot tube pump specialists.

High pressure at low flow, from a single rotating stage.
Up to 1,050 m (3,445 ft) head.



One product, since 2004.

EHIK designs, builds and services pitot tube pumps. Since 2004, we have focused on this one product, for duties that need high pressure at low flow.



Our factory is in Gu'an, Hebei, near Beijing. Our offices and R&D teams are in Beijing and Chengdu.

We supply bare-shaft pumps, complete pump sets, integrated pump skids, spare parts and overhauls, for new plants and for replacing existing pumps.

667

Supply records,
2007-2026

422

Of them in carbon black plants

22

Patents for pump, pickup tube,
seal and skid designs

ISO

9001 · 14001 · 45001

2004

We start making
pitot tube pumps.

2007

First entry in our
supply records.

2014

First patent for our
pump designs.

2023

National High-Tech
Enterprise.

2026

New ISO 9001,
14001 and 45001
certificates.

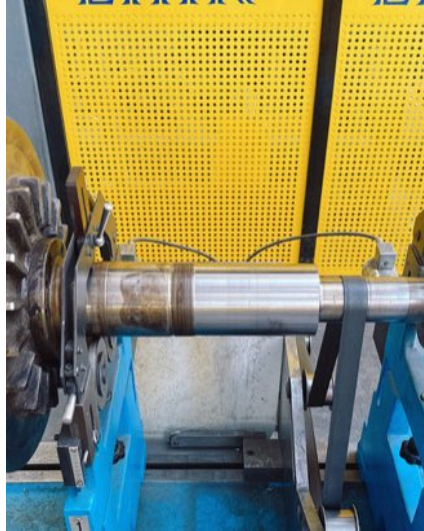
Built and tested in our own factory.

Assembly, rotor balancing, testing and repair are done in our factory in Gu'an, near Beijing.
Every pump is tested before it ships.



Pump sets

Pump, coupling and motor are fitted on a common base.



Rotor balancing

Rotors are balanced on a dynamic balancing machine.



Assembly

Our technicians assemble pumps and pump sets.



Alignment check

Shafts are aligned with dial indicators.



Performance test

Pressure, flow and vibration on our test bench.



Stock

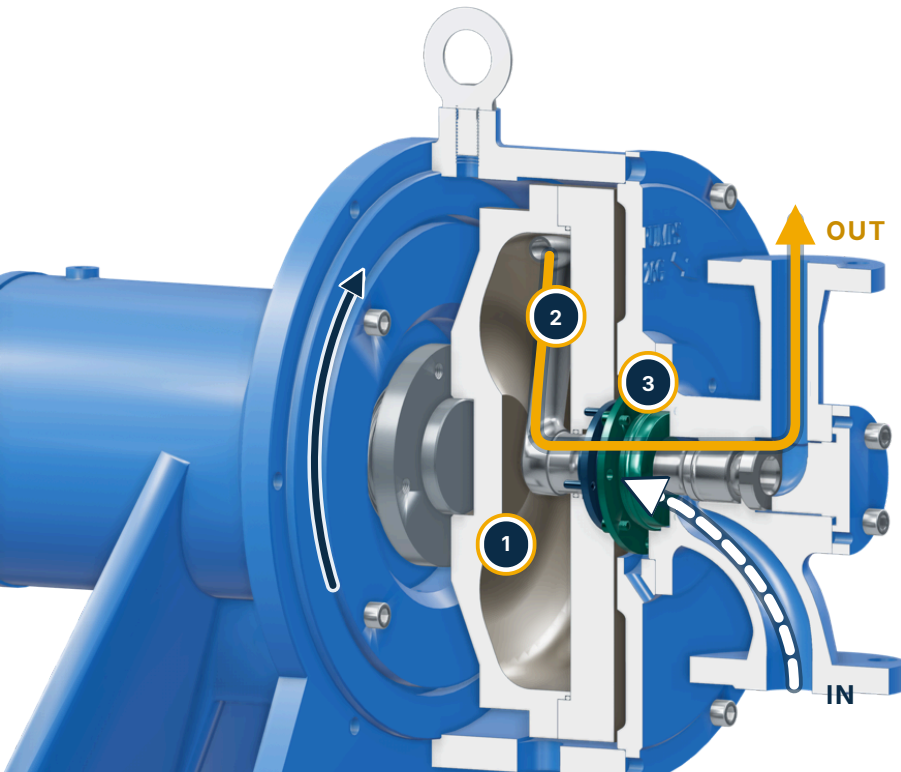
Most models are in stock and ship after payment.

Tested

Each pump ships with a test report. We can also test to your own requirements.

The rotor turns. The pickup tube is fixed.

Liquid enters the rotor and turns with it at high speed. The fixed pickup tube collects the fast-moving liquid and converts its speed into pressure. A single stage produces the full head.



1 Rotor

Turns with the shaft at up to 6,300 rpm and spins the liquid.

2 Fixed pickup tube

Collects the spinning liquid and sends it out at high pressure.

3 Mechanical seal

Located at the inlet, so it is exposed only to suction pressure. No rotating seal on the high-pressure side.

 Inlet · low pressure

 Outlet · high pressure

One stage, full head

Up to 1,050 m (3,445 ft) head from one rotating stage. Simple design, few parts, easy to maintain.

Stable at low flow

With a small continuous bypass, the pump can run at any flow rate, even with the outlet valve closed. No relief valve is needed.

Handles some gas and solids

Pumps liquids that contain a little gas or some solid particles. As the gas content rises, flow and head drop gradually.

Steady flow and pressure

Smooth delivery with very little pulsation, noise and vibration. No pulsation damper is needed.



Watch the 3D animation

Scan or click to see the rotor turn and the liquid move through the pump, step by step.

PERFORMANCE RANGE

From 0.05 to 70 m³/h, up to 1,050 m head.

FLOW

0.05–70 m³/h
0.2–308 US gpm

HEAD

Up to 1,050 m
3,445 ft

TEMPERATURE

Up to 260 °C
500 °F

VISCOSITY

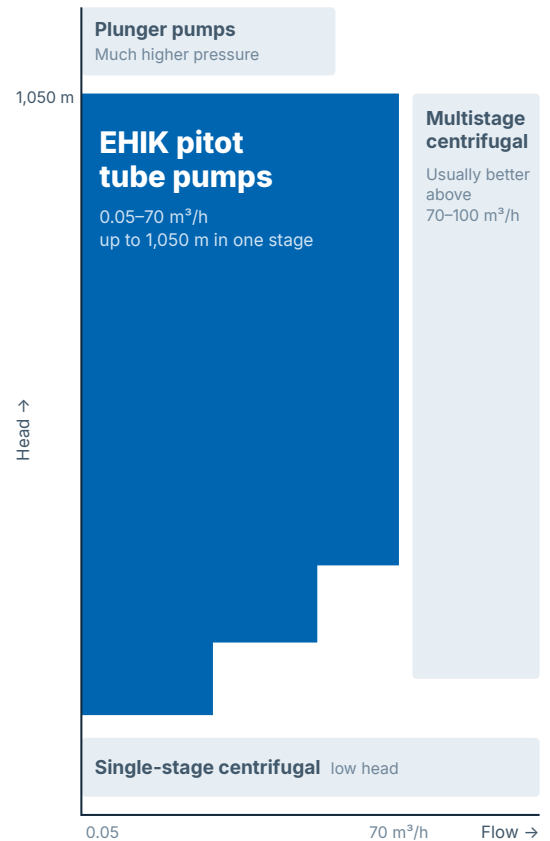
Up to 250 cSt
about 1,160 SSU

PUMP SERIES

SERIES	MAX. FLOW	MAX. HEAD	MOTOR POWER
180	5.5 m ³ /h 24 US gpm	200 m 656 ft	1.5–4 kW 2–5 hp
260 / 260G	12 m ³ /h 53 US gpm	400 m 1,312 ft	4–15 kW 5–20 hp
280	30 m ³ /h 132 US gpm	430 m 1,411 ft	7.5–55 kW 10–74 hp
320	30 m ³ /h 132 US gpm	450 m 1,476 ft	11–55 kW 15–74 hp
390	56 m ³ /h 247 US gpm	800 m 2,625 ft	18.5–160 kW 25–215 hp
420	70 m ³ /h 308 US gpm	1,050 m 3,445 ft	22–110 kW 30–148 hp
450	20 m ³ /h 88 US gpm	500 m 1,640 ft	37–55 kW 50–74 hp

Speed 2,900–6,300 rpm. Each pump is selected for your duty; send us the liquid, flow and pressure.

WHERE IT FITS



Special designs

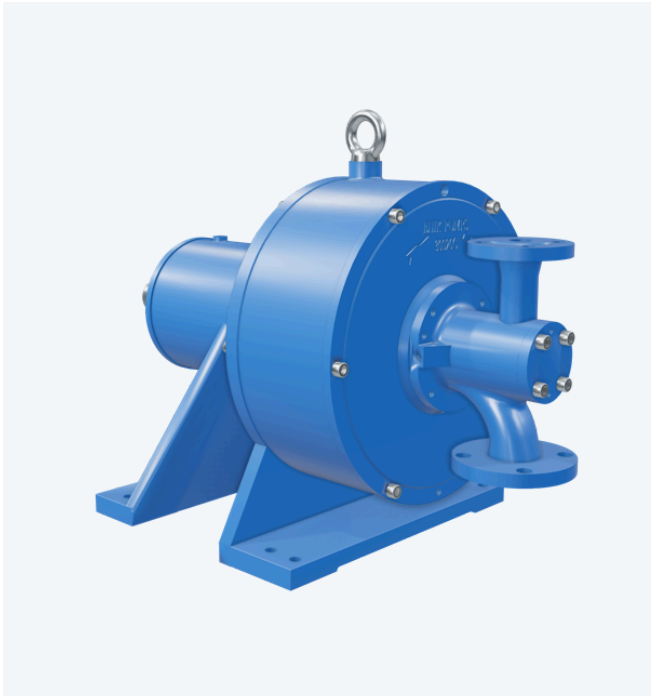
Up to 1,500 m (4,921 ft) head or 100 m³/h (440 US gpm) in a single stage, built to order.

An honest limit

Above about 70–100 m³/h (308–440 US gpm), a multistage pump is usually the better choice. We will tell you if your duty fits.

Bare-shaft pumps and complete pump sets.

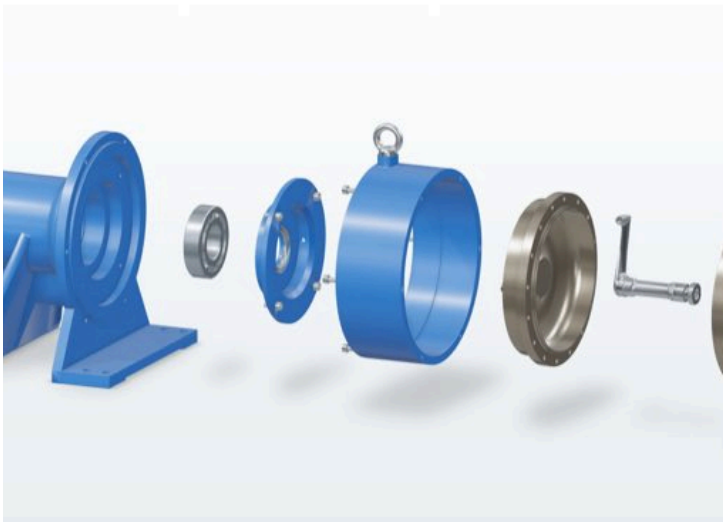
Seven series, from 180 to 450. Supplied as bare-shaft pumps, or as complete pump sets with motor, coupling and base.



Bare-shaft pump



Pump set with a seal support and flush system



Two working parts

A rotor and a fixed pickup tube do the work. There are no stacked impellers or diffusers, so there are few parts to wear.

Seals

Single or double cartridge mechanical seals. API seal arrangements and flush plans (such as Plan 52 or 53) on request.

Lubrication

Oil-lubricated or grease-lubricated bearings, or a close-coupled design.

Connections

Flanges made to fit your existing piping, so a replacement pump connects directly.

One package, ready to run.

Pump, motor, piping, valves, instruments, variable-speed control panel and enclosure, all from one supplier.



Doors open for access



Lifted as one unit



Installed on site

- ✓ **No special foundation**
No concrete foundation or anchor bolts are needed.
- ✓ **Built for unattended sites**
In service at remote, unattended gas-field sites, including in the desert.

- ✓ **Connect and run**
Connect the pipes and the power, and the skid is ready to run.
- ✓ **Easy to move**
The whole skid can be moved to a new site and used again.

Where our pumps work.

Wherever the flow is low and the pressure is high: in carbon black plants, paper mills, gas fields, chemical plants and central cleaning systems.



CARBON BLACK · 422 SUPPLY RECORDS

Feedstock oil and coal tar

Our largest industry. Customers include **Cabot, Birla Carbon, Orion and Black Cat Carbon Black.**



PULP & PAPER · 109 SUPPLY RECORDS

Felt and wire showers, water-jet cutting

Continuous high-pressure water for paper machines. In service at **6 Vinda mills.**



OIL & GAS · 66 SUPPLY RECORDS

Produced water transfer and reinjection

Pumps and skids at gas-field sites. Customers include **PetroChina and Sinopec.**



CHEMICAL · 30 SUPPLY RECORDS

High-pressure process liquids

Low-flow process duties, for example in **ammonia and methanol plants.**

CENTRAL CLEANING

At a food plant, one EHIK pump supplies 50 cleaning stations. The pressure stays stable with 1 or all 50 stations open.

Results on site.



PETROCHINA · TARIM OILFIELD

In service in the desert since 2022

One unattended EHIK pump skid went into service in 2022. After three years of good service, the customer ordered two more in 2025.

2022 1 skid — **2025** 2 more skids



PETROCHINA · SICHUAN · 2015

Well site Kong 6

39.5% less electricity

Replaced a multistage pump. Motor from 90 to 45 kW (121 to 60 hp). About USD 20,000 a year less maintenance.



PETROCHINA · SICHUAN

Well site Bao 46

75 → 45 kW motor

An EHIK pump replaced a 75 kW (101 hp) multistage pump with a 45 kW (60 hp) motor.

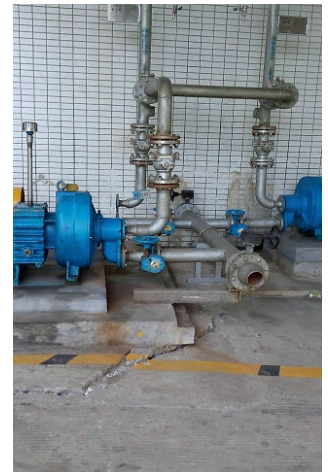


DAQING OILFIELD CHEMICAL · 2010

Ammonia plant

Over USD 28,000 a year

Saved on electricity after an EHIK pump replaced a 75 kW (101 hp) multistage pump.



VINDA · PULP & PAPER

Paper machine showers

6 mills

EHIK pumps supply high-pressure water for felt and wire showers at six Vinda paper mills.

Pickup tubes and rotor assemblies, in stock.

For EHIK pumps, and as replacement parts for Roto-Jet and other pitot tube pumps.

01

No old tube to return

You do not need to send back your old pickup tube to order a new one. Tell us the pump model and the duty, and we send a drawing to confirm the fit.



02

In stock, ready to ship

We keep pickup tubes and rotor assemblies in stock. Items in stock ship after payment.



03

Longer tube life

In liquids with a high content of hard particles, a standard tube may need replacing after 1–3 weeks. Our wear-resistant coated tube can last 2–3 months.



04

A stronger tube joint

One large threaded nut holds the pickup tube in place of several small bolts. Fewer parts and a more stable connection.



Complete overhauls

We overhaul complete pumps and replace the worn parts, including Roto-Jet pumps for a carbon black plant in Tianjin.

Tested before shipping. Certified to ISO.



Every pump runs on our test bench before it ships. We record pressure, flow and vibration, and send a test report with the pump. Testing can also follow your own requirements.

Our quality, environmental and safety management systems are certified to ISO 9001, ISO 14001 and ISO 45001. We hold 22 patents for pump, pickup tube, seal and skid designs.



ISO 9001



ISO 14001



ISO 45001



National High-Tech Enterprise



Innovative SME



AAA Credit Rating

ISO Scope of certification: design, inspection, assembly, testing, sales and repair of pumps, and design and sales of pump parts (mechanical seals, pickup tubes and rotors).

From inquiry to delivery.

1

Send your duty

Liquid, flow and pressure. Inlet and outlet pressures and NPSHa help us check more accurately.

2

We reply

Within 1 business day, we review your duty and ask for anything missing.

3

Proposal

Quotation and technical proposal in 3 business days for pumps, 5 for skids.

4

Delivery

Items in stock ship after payment. Other items usually ship in 20–60 days.

Technical documents

Performance curves, outline drawings for your project, and a test report with every pump.

Spare parts and repair

Pickup tubes and rotor assemblies in stock. Complete overhauls.

Warranty

12 months after installation or 18 months after delivery.



Send us your liquid, flow and pressure.

We reply within 1 business day.

EMAIL

sales@ehikpump.com
info@ehikpumps.com

WHATSAPP

+86 159 9881 1069



ehikpumps.com

Scan or click to visit our website



Watch the 3D animation

Scan or click to see how it works

EHIK PUMPS

Beijing Yihaike Pump Technology Co., Ltd.

Gu'an Industrial Park,

Hebei Province 065500, China

Offices and R&D: Beijing and Chengdu

Company profile EN · 2026-10