

## INSTALLATION

# Quick installation guide

The ten steps that matter most. Read the full manual before installation.

## 1 Check on arrival

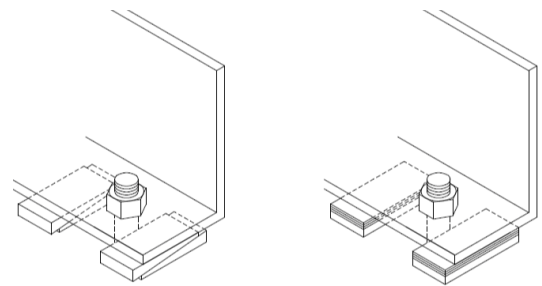
Check the pump unit against the packing list for missing or damaged items, and check that the nameplate specification matches the order.

## 2 Lift correctly

For the pump alone, attach slings to the lifting eyebolt on the pump casing. For the complete unit with its baseplate, pass suitable slings under the pump and motor.

## 3 Level the baseplate

Set the baseplate on wedges 20–40 mm (0.8–1.6 in) above the foundation. Level within 3 mm (0.12 in) along the length and 1.5 mm (0.06 in) across the width.



Leveling blocks and wedges

## 4 Grout

Use non-shrink grout, let it cure for at least 48 hours, then tighten the anchor bolts. Check the alignment again.

## 5 Connect the piping without strain

Support all piping independently so that it meets the pump flanges without strain. Provide supports close to both the pump inlet and outlet.

Full manual: EHIK Pitot Tube Pump Manual, Revision 4

## Technical support

EHIK pitot tube pumps

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## START-UP

# Connect, align and start

## 6 Inlet line

Keep at least two pipe diameters of straight pipe before the inlet; fit an eccentric reducer, flat side up. Use a 60–100 mesh strainer with an open area at least three times the inlet pipe cross-section.

## 7 Bypass

Connect a 1/2 in (13 mm) bypass line between the pump and the outlet valve, returning flow to the supply tank. Never connect it directly to the pump inlet pipe.

## 8 Align

At operating temperature, the radial dial indicator reading must not exceed 0.05 mm (0.002 in); the face reading or laser measurement must not exceed 0.12 mm (0.005 in).

## 9 Before start

For oil-lubricated pumps, fill to between the red center mark and the top of the sight glass; use ISO VG 68 for normal bearing temperatures. Check rotation with the coupling spacer removed, then prime the pump.

## 10 Start and hot-align

With the inlet fully open and the outlet valve closed, start the motor; open the outlet slowly when pressure is steady. After about one hour, stop the unit and check alignment while it is still hot.

Never run the pump dry, with the inlet valve closed, or without the coupling guard.

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