

Think Smart, as for your performance as for the environment

**BINKS®**

Electric bellows pumps offer both easy operation and various controls, which have greatly reduced running costs and the impact on the coating quality.

The SMART series pumps are equipped with a standard explosion protected electric motor to move the fluid section (liquid section) in order to supply paints, solvent and other liquids.

Thanks to the unique design of CV cam, the fluid section is operated without any pulsation and the surge / chamber is not needed any more.

Installation space : Comparison  
with previous model

**40% Reduction**



### Features

● **Installation space:**

Installation space has been reduced by 40% compared to our conventional product (Part No.E2-30). Replacing conventional air or hydraulic plunger pumps is easy.

● **Piston seals:**

The pump is equipped with 2 pistons, each designed with a simple seal packing. Thus, maintenance has been improved and consumable parts are also reduced.

● **Sanitary inlet and outlet connections:**

Guarantee a smooth internal pipe connection without paint entrapment pockets

● **Bellows Seals:**

Perfect for sensitive materials including ultraviolet curing type (UV) and curing agent (isocyanate) since the bellows are not exposed to the outside.

● **Flow Rate Control:**

The pump performance can be adjusted with a standard AC frequency inverter by changing the output of the motor. Manual / automatic control available.

● **Reciprocating engine:**

Fluid pressure fluctuations are minimized thanks to the unique CV cam.

● **Operation mode:**

Flow mode is available as simple as a conventional air motor driven pump, and the Smart mode available to achieve maximum energy savings due to pressure control.

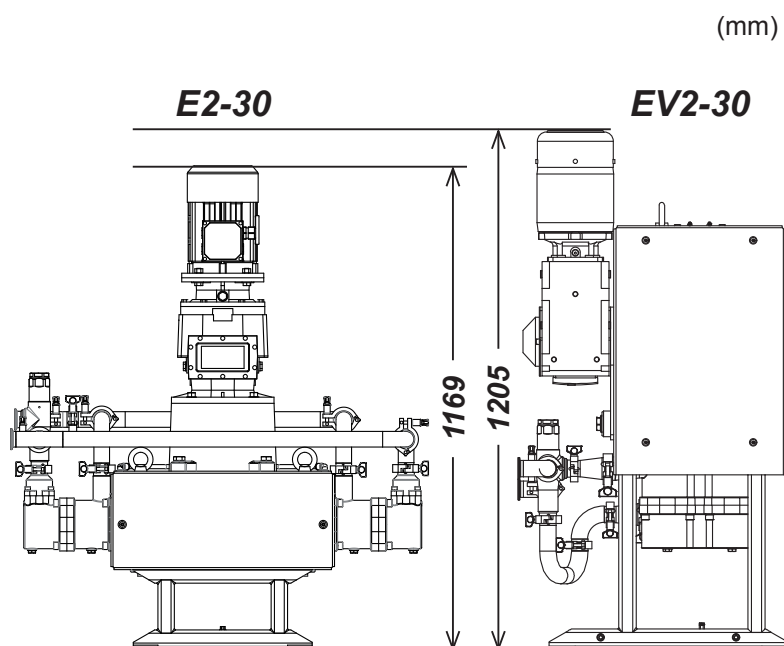
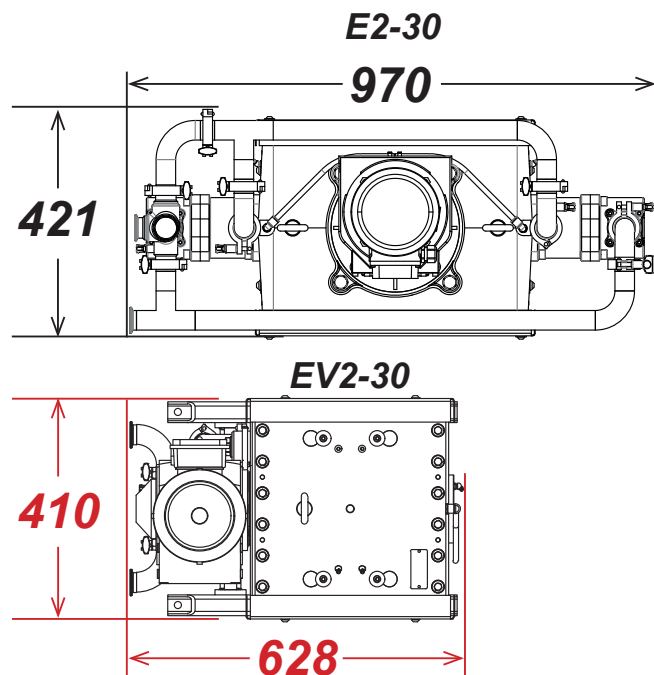
● **Horizontal Short Stroke Design:**

Equal thrust on both pistons / equal flow and pressure for both strokes / Pulsations have been minimized compared to conventional reciprocating pumps.

● **Fluid sections:**

Stainless steel balls, tungsten carbide seats and ceramic coated pistons are designed to reduce maintenance frequency / be used for abrasive or corrosive materials.

# EV2-30 vs Conventional product E2-30 Dimension comparison



## Installation space

Conventional product E2-30  $0.41\text{m}^2$

**EV2-30**  $0.26\text{m}^2$

approx. **40%** Space Reduction

## Specifications

- Circulation performance is equivalent to conventional products.
- Inverter control is equivalent to conventional products.

EV2-30	
Part Number	104222
Maximum fluid pressure	2.0 MPa
Fluid Output	@20Hz : 7.5 L /min. @80Hz : 30 L /min.
AC Induction Electric Motor	1.5Kw
Fluid inlet & outlet connection	1" Sanitary, 1½" Sanitary
Total Weight of Pump (inc electric motor)	256 kg

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