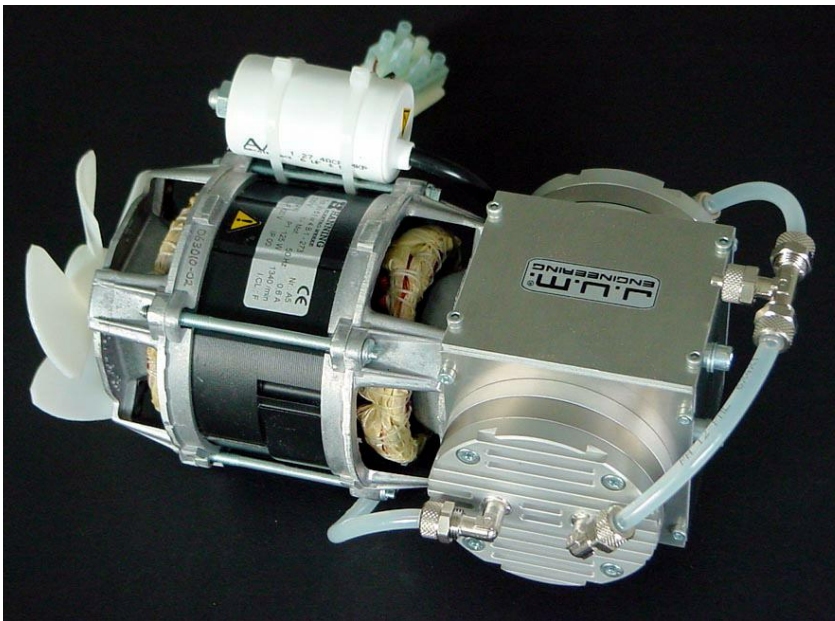
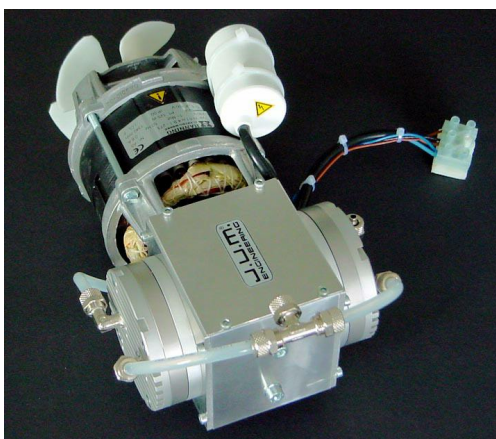




## COMPACT SAMPLE PUMP / COMPRESSOR 2825PD



The J.U.M. Engineering 2825PD is a very compact compressor or sample pump. The 2825PD is made of 316 Stainless Steel with aluminum heads as a compressor or it is made from all stainless steel to be used as a dual or high



flow sample pump. In the all stainless version it withstands normal corrosive gasses as they are present in standard stack gas emission. The pump drive mechanism has been designed for a smooth and low vibration, silent and long lasting continuous mode of operation.

Pictures show the 2825PD configured with parallel plumbed heads to be used as a high flow compressor

### How our Diaphragm pumps and compressors work:

Driven by the electric motor via a drive shaft mounted on an excenter, the elastic diaphragm is moved up and downwards in a sealed pumping chamber.

While being on the downward stroke, that diaphragm draws the air or other gas through the opening inlet valve. When the drive shaft strokes the diaphragm upwards, it forces the inlet valve to close while the medium (air or other gas) is being pushed out through the outlet valve. The pump's compression chamber is hermetically sealed against the drive mechanism. Our pumps compress, pump or evacuate gasses completely oil free.

### Features

- Transferring air, vapors and gasses pure and clean
- No contamination of the media due to oil free operation
- Long product life
- Highly leak tight:  $6 \times 10^{-3}$  mbar X 1/s
- Very low vibration, very quiet and smooth running
- Temperature resistant version up to 200°C
- Can be operated and mounted in any position

### Operation and Installation

- Typical applications are transferring and compressing air and other gasses between +5°C and +45°C
- Operating ambient temperature from +5°C to +45°C
- This pump does not start against pressure or vacuum. Inlet and outlet lines need to be atmospheric pressure.
- This pump is built IP-00, general purpose and can only be used in an appropriate enclosure. Pump cannot be used in an area with a risk of explosion

### Performance Data

- Flow capacity: Max. 25 liter/ min. @ free flow
- Max. pressure: 3.0 bar (g)
- Diaphragm and Valves: Viton®

### Motor Data

- 230V/50Hz, 0,8A, 1340 UPM

### Applications

- Compressor for air purifiers
- Sample pump for CEM's
- Sample pump for stack emissions
- Temperature resistant version available up to 200°C

\*Viton® is a registered trademark of DuPont Dow elastomers

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Product Brochure,  
Sample Pump 2825PD, english  
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