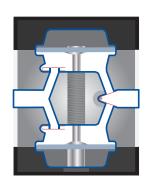
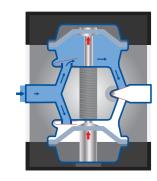
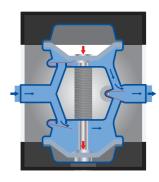
### Horizontal fluid flow diaphragm pumps





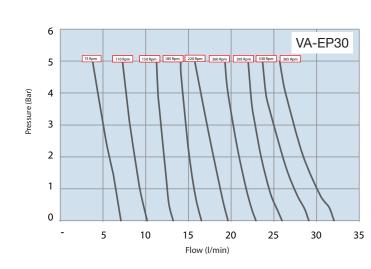


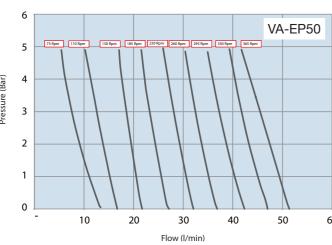
In e-PURE diaphragm pumps the fluid moves through the pump horizontally. The electric drive ensures the reciprocating movement of the diaphragms so that the diaphragm chambers are alternately filled and pressed. This pump design utilises flapper valves instead of ball valves, a reduced number of flow bends and moving parts resulting in less friction losses. The speed of the fluid and the energy efficiency of these pumps is therefore optimal. The direct results are reduced maintenance, lower energy costs and a longer life time. High speed low stroke technology enables low pulsation.

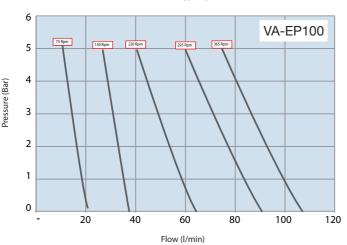
### Flow ranges

### Sustainability

- → The horizontal fluid flow path results in less friction losses and an optimum fluid speed which increase the pump efficiency.
- → Electrically driven (230V, 1ph) and no expensive compressed air is needed which results in lower energy
- → Direct benefits of using this pump are less maintenance, less energy costs and a longer life time.







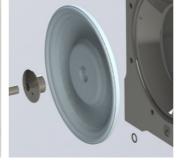
### Highlights leak free design

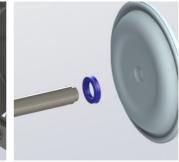


✓ Flat valves produced

from wear resistant







✓ Strong and solid pump construction

✓ Diaphragms fully PTFE sealed

Chemical resistant sealing sleeve

### Models and technical details







		VA-EP30	VA-EP50	VA-EP100
May flagge (I/min)		30	50	
Max. flow (I/min)		30	50	100
Max. pressure (bar)		5	5	5
Max. temperature (°C)	PTFE	95	95	95
	PE	70	70	70
Max. particle size of solids (mm)		2	2	4
Connection NPT (inch)		3/4	3/4	1 1/4
Certifications*		<b>E</b>	(Ex)	<b>&amp;</b>

<sup>\*</sup> See datasheet for ATEX zone

### passion for pumps

**VERDER INDIA** PUMPS PVT. LTD

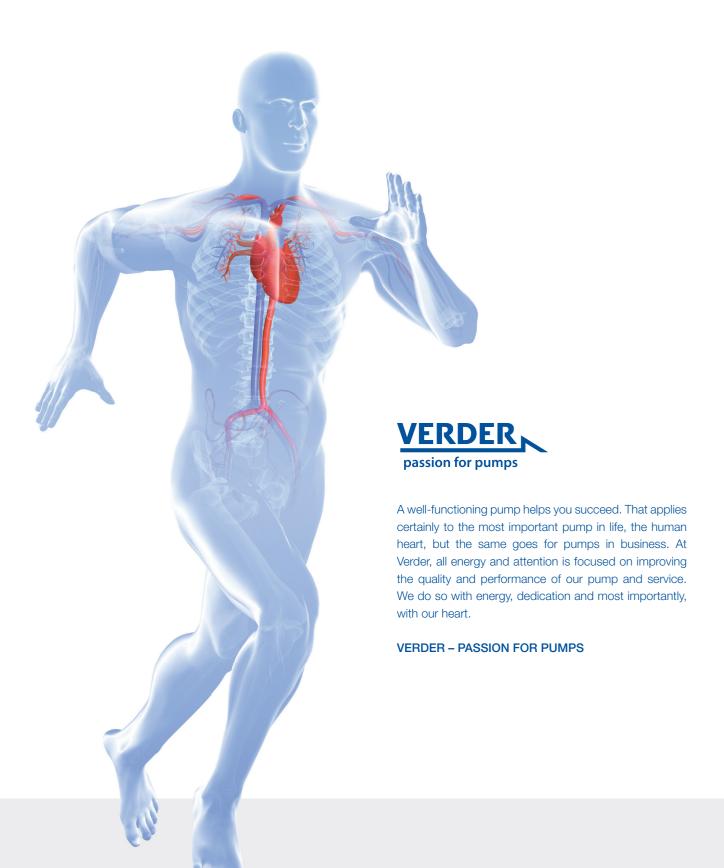
AUSTRIA / BELGIUM / BULGARIA / CHINA / CZECH REPUBLIC / FRANCE GERMANY / HUNGARY / INDIA / ITALY / THE NETHERLANDS / POLAND REPUBLIC OF KOREA / ROMANIA / SLOVAKIA / SOUTH AFRICA wad, Pune, 411019 WEB www.verderliquids.co.in SWITZERLAND / UNITED KINGDOM / UNITED STATES OF AMERICA

# **VERDERAIR** e-PURE Electrically driven double diaphragm pump

Benefits of the Verderair e-PURE

- ✓ Very energy efficient
- ✓ Plug and play
- ✓ Less maintenance longer life time

<sup>\*</sup> Fluid flow view from above



## Electrically driven double diaphragm pump

The Verderair e-PURE electrically driven double diaphragm pump uses a new kind of technology for diaphragm pumps. This pump series works according to a horizontal fluid flow path, which gives a more energy efficient and less friction loss fluid path. A direct result is reduced maintenance, lower energy costs and a longer life time. The pump housing is manufactured from solid machined PTFE or PE (UHMW). The other wetted parts are made from PEEK and SS 316L or Hastelloy C or Duplex SS. The e-PURE ensures a sustainable solution combined with diaphragm pump advantages.

### Key features:

- → Low energy consumption
- → Leak free design
- → Self priming & dry running
- Can handle abrasive liquids
- Low pulsation
- → ATEX certified

### Options:

- → Frequency inverter
- → Leak detection

#### **Application areas:**

- → Dosing or continuous flow
- → Abrasive liquids



### Frequency inverter:

- → 220 Volt single phase
- → Flow rate adjustable
- Soft start





- 2 Energy efficient; reducing energy costs
- 3 High speed low stroke technology for low pulsation
- 4 Wear resistant PE machined part
- **5** Specially designed wear resistant PEEK flat valves reduces fluid flow losses
- **6** Specially designed fully sealed diaphragms prevent leakages
- **7** Smaller footprint than traditional EODD pumps

