

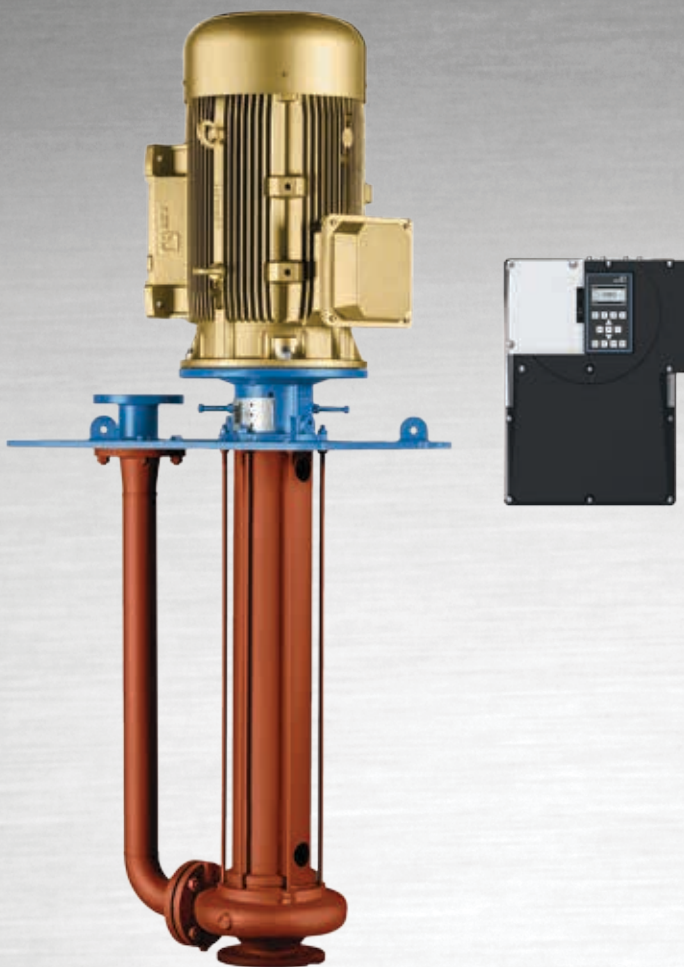
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Pumps • Valves • Service



## Etanorm V

### Vertical and Space-saving by Design



Etanorm V-W (wet) with KSB SuPremE® IE5 motor\* and wall-mounted PumpDrive

#### Applications:

In all branches of industry, for pumping all kinds of non-lubricating non-corrosive liquids not containing abrasive particles. For use in washing plants, surface treatment systems, paint shops, etc.

#### More information:

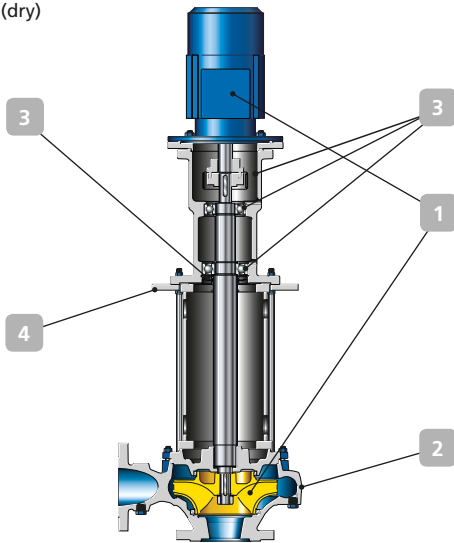
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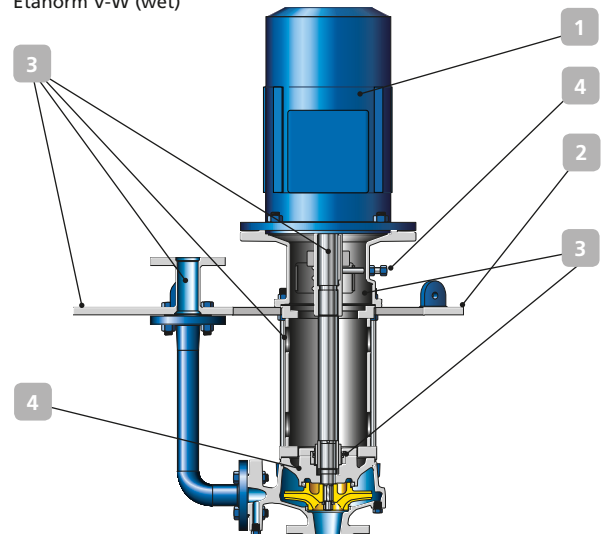
Etanorm V-D (dry)  
with IE3 motor

# Etanorm V: Vertical and Space-saving by Design

Etanorm V-D (dry)



Etanorm V-W (wet)



## 1 Energy-efficient

- Flexible speed control for maximum efficiency. Wall-mounted or cabinet-mounted KSB PumpDrive.
- Equipped with IE3 asynchronous motors as standard, ensuring highly efficient operation. Also available with KSB SuPremE® IE5 motor\*: The world's most efficient magnetless pump drive.
- Excellent efficiency levels due to state-of-the-art Etanorm hydraulic system. Impeller diameter trimmed to match the duty point, enabling energy savings and reduced operating costs.

## 2 Wide range of variants

- Volute casing and impeller available in numerous standard materials to suit a multitude of applications
- Low space requirement thanks to vertical design available in various immersion depths up to 2000 mm (Etanorm V-D up to 535 mm)

\* IE5 in accordance with IEC/TS 60034-30-2 up to 15/18.5 kW (only for 1500 rpm types rated 0.55 kW, 0.75 kW, 2.2 kW, 3 kW, 4 kW: IE5 in preparation)

### Materials

Volute casing	Grey cast iron EN-GJL-250 / A 48 CL 35B Stainless steel 1.4408 / A743 Gr CF8 M
Casing cover	Grey cast iron EN-GJL-250 / A 48 CL 35B Stainless steel 1.4408 / A743 Gr CF8 M
Shaft	Tempered steel C45+N Duplex stainless steel 1.4462
Impeller	Grey cast iron EN-GJL-250 / A 48 CL 35B Stainless steel 1.4408 / A743 Gr CF8 M Bronze CC480K-GS/ B30 C90700

## 3 Operating reliability

- Designed without a mechanical seal in order to reduce the number of parts subject to wear
- Robust and rigid drive lantern with precision-machined centring fits ensures accurate alignment of pump shaft end and motor shaft end. No on-site precision alignment of coupling required.
- Wear-resistant product-lubricated SiC/SiC plain bearing in the discharge cover of the pump compensates lateral movement or deflection of the shaft.
- Smooth running thanks to high-quality Flender Eupex coupling (Etanorm V-D)
- V-ring prevents the fluid handled from entering the deep groove ball bearing (Etanorm V-D).
- High operating reliability due to generously dimensioned ball bearing absorbing the axial forces (Etanorm V-D)

## 4 Easy to service

- Easily replaceable casing wear rings in casing cover and volute casing
- 24-hour KSB service hotline and spare parts hotline

### Technical data

Flow rate Q	Up to 660 m <sup>3</sup> /h (50 Hz) Up to 740 m <sup>3</sup> /h (60 Hz)
Head H	Up to 100 m (50 Hz) Up to 100 m (60 Hz)
Operating temperature t	Up to +70 °C (design D) Up to +95 °C (design W)
Operating pressure p	Up to 10 bar



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