

## PumpDrive Speed Control System



- Applications:**
- Heat generation/distribution
  - Water supply systems
  - Water extraction/withdrawal
  - Water treatment/conditioning
  - Water distribution/transport
  - Refrigeration/distribution
  - Water treatment
  - Fluid transport
  - Cooling lubricant distribution
  - Service water supply
  - Waste water transport
- More information:**  
[www.ksb.com/products](http://www.ksb.com/products)



Etanorm PumpDrive with KSB SuPremE® and PumpMeter



Etaline PumpDrive with KSB SuPremE® and PumpMeter



Etabloc PumpDrive with KSB SuPremE® and PumpMeter



Etanorm PumpDrive (cabinet-mounted) with KSB SuPremE® and PumpMeter

# PumpDrive Speed Control System

## Energy-efficient pump operation

- High-efficiency unit in combination with KSB SuPremE® motor and PumpMeter
- Integrated multiple pump operation for parallel operation of up to 6 pumps
- Dynamic pressure compensation function for estimating pipe friction losses and compensating pressure losses

## Operating reliability

- Characteristic curve control to avoid operation in impermissible operating range
- Flow rate estimation for more process reliability
- Functions package for the special requirements in waste water applications (PumpDrive only)
- Full redundancy by dual pump management (2 x 100% or 2 x 50%)

## Flexibility

- Functions package for the special requirements in pressure boosting applications
- Ratings from 0.12 kW to 55 kW (up to 400 mW available on request)
- Control of asynchronous motors as well as synchronous reluctance motors
- Several mounting options: Motor mounting up to 55 kW, wall mounting and cabinet mounting
- Various field bus modules

## Ease of commissioning

- The commissioning wizard guides the user through all main commissioning parameters.
- The customer's system data is already saved in the device: pre-set at the factory.
- Ample space for cable connection
- The pre-assembled PumpMeter can easily be joined to PumpDrive with a M12 plug-type connector.

## Ease of operation

- Convenient remote control with the KSB FlowManager app, also for PumpDrives installed in places that are difficult to access.



App Store



Google Play Store



Profibus DP  
Modbus RTU  
LON Profil 1.0  
BACnet MS / TP  
Profinet  
Ethernet

## Easy communication via external Bluetooth gateway

- External Bluetooth interface enables communication with smartphones (iPhone and Android) or notebooks
- Can simply be plugged onto the service interface of PumpDrive
- Additional interface for mini-USB cable for communication with notebook or for battery charging

## Technical data

Mains voltage	1 ~ 230 V AC (0.12 – 1.1kW) 3 ~ 380 V AC -10 % to 480 V AC + 10 %
Voltage difference between the three phases	± 2% of the supply voltage
Mains frequency	50 to 60 Hz ± 2%
Mains types	1 ~, TN-S, TN-CS, TN-C, TT and IT mains (to IEC/EN60364)
Type of protection	IP 55 (to EN60529)
Ratings	PumpDrive: 0.37 to 55 kW PumpDrive Eco: 0.37 to 11 kW PumpDrive R (cabinet-mounted): 0.37 kW to 1.4 mW
In-service ambient temperature range	-10 °C to +50 °C



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