

PumpDrive, PumpDrive Eco, PumpDrive R – 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



Etanorm PumpDrive with
KSB SuPremE® and PumpMeter



Etaline PumpDrive Eco with
KSB SuPremE® and PumpMeter



Etabloc PumpDrive with
KSB SuPremE® and PumpMeter



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

PumpDrive, PumpDrive Eco, PumpDrive R – 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 (PumpDrive / PumpDrive Eco only)
- Control of asynchronous motors as well as synchronous reluctance motors
- Several mounting options: Motor mounting (PumpDrive / PumpDrive Eco only), 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 / PumpDrive Eco with a M12 plug-type connector

Ease of operation

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



I/O extension board
(PumpDrive only)

M12
module

- Profibus DP
- Modbus RTU
- LON Profil 1.0
(PumpDrive only)
- BACnet MS/TP
- Profinet

Master switch
(PumpDrive only)

Easy communication via external Bluetooth gateway (PumpDrive / PumpDrive Eco only)

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

Technical data

Mains voltage	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/EN 60364)
Type of protection	IP 55 (to EN 60529)
Ratings	PumpDrive: 0.37 – 55 kW; 3~ Variant PumpDrive Eco: 0.37 kW – 11 kW; 3~ Variant PumpDrive R (cabinet mounting and wall mounting: 0.37 kW – 400 kW (up to 1.4 MW on request); 3~ Variant
In-service ambient temperature range	-10 °C to +50 °C



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