

## **Amarex** – Submersible Motor Pump for Handling Waste Water



### **Applications:**

In commercial, industrial and municipal sectors:

- Waste water transport
- Sludge transport
- Dewatering/water extraction

### **More information:**

[www.ksb.com/products](http://www.ksb.com/products)



F-max impeller



D-max impeller

# Amarex – Submersible Motor Pump for Handling Waste Water

## Efficient

- significant reduction of energy costs by optimised hydraulic system with F-max impeller
- new, open dual-vane D-max impeller with top hydraulic efficiency (“best in class”)
- high-efficiency motor of efficiency class IE3
- U-shaped ring on claw for perfect sealing between pump and duckfoot

## Non-clogging

- free passage of up to 100 mm with F-max free-flow impeller
- no clogging by wet wipes with patented D-flector and D-max impeller

## Cost-efficient

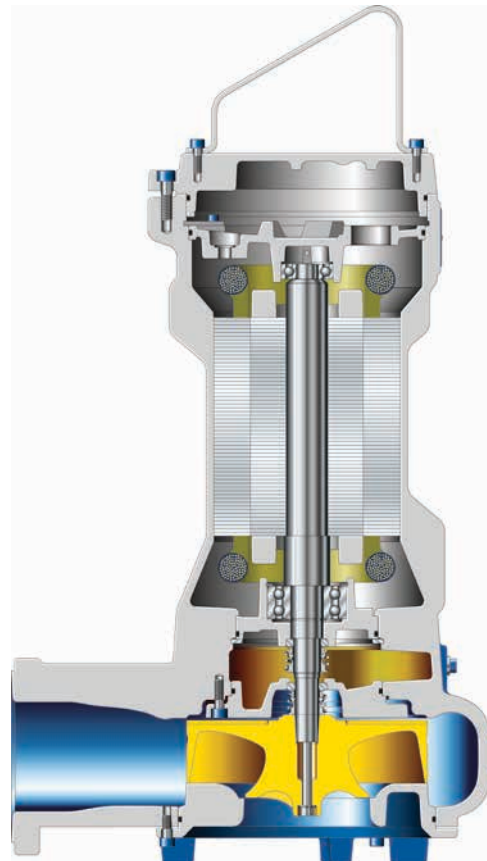
- increased impeller efficiency
- reduced maintenance work thanks to non-clogging impellers
- overall efficiency up to 69 %

## Durable

- high operating reliability with optimally selected motor for continuous duty S1, thermal class H
- bearings with long service life (100,000 hours) for high operating reliability
- long service life with shaft made of corrosion-resistant stainless steel
- optimum material quality of D-max impeller to prevent abrasion (EN GJS-600-3)

## Environmentally friendly

- eco-friendly, non-toxic oil fill for lubricating the mechanical seal (liquid reservoir)
- repairable; two spare part sets per impeller type for all pump sizes
- “Second life” through recyclable components



## Flexible

- wide range of sizes to suit most applications (up to DN 150, up to 10 kW)
- ideally suited to handling abrasive and aggressive fluids due to wide variety of available material variants (e.g. cast chrome steel) and mechanical seals
- easy replacement of existing pumps thanks to a large choice of adapter claws and the replacement pumps app
- straightforward installation of stationary pump

## Technical data

Pump sizes	DN 50 to DN 150
Flow rate	Up to 89 l/s / 320 m³/h
Head	Up to 42 m
Temperature	
- Standard (U)	Up to 40 °C
- Explosion-proof option (Y)	Up to 40 °C