

UPA 200 / 250 / 300 / 350 – Submersible Borehole Pumps



UPA 350

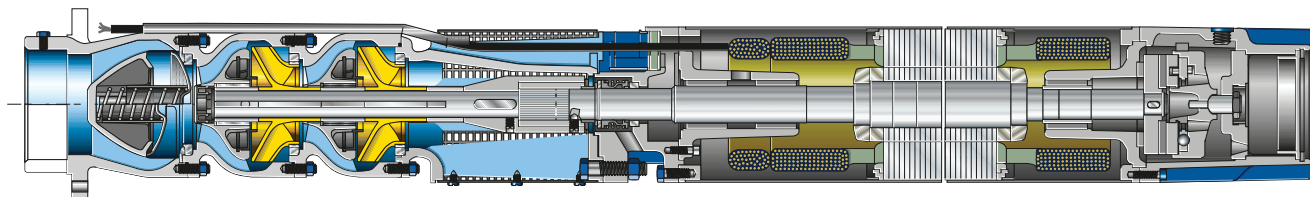


Applications:

- Handling clean or slightly contaminated water
- Water supply systems
- General irrigation and spray irrigation systems
- Industrial water supply
- Lowering and maintaining groundwater levels
- Mining
- Offshore and cavern applications
- Pressure boosting
- Fire-fighting systems, sprinkler installations

More information: www.ksb.com/products

UPA 200 / 250 / 300 / 350 – Submersible Borehole Pumps



For heavy-duty applications, duplex variant available as standard

High operating reliability and long service life

- Maintenance-free enclosed pump bearing protects shaft and bearings from abrasive wear
- Non-return valve with anti-blockage valve disc closes quickly and reduces waterhammer

Trouble-free long-term operation

- Wear-resistant material variant for heavily sand-laden fluids

Extended motor life

- Water-lubricated, maintenance-free plain bearing with self-aligning tilting pads for continuous operation
- Counter thrust bearing for reliably absorbing negative axial thrust
- Mechanical seal in carbon/ceramic or SiC/SiC material combination provides protection against wear
- Reliable pressure equalisation system for maximum immersion depths
- Motors designed for maximum pump input power to prevent overloading

Flexibility

- Suitable for installation in narrow deep wells
- For vertical, inclined or horizontal installation

Maximum efficiency and low operating costs

- Consistently high efficiencies through optimised hydraulic design

Approved for drinking water

- ACS-certified

Technical data	UPA 200 / 250 / 300 / 350	
	50 Hz	60 Hz
Max. flow rate	840 m ³ /h 3700 gpm (US)	1010 m ³ /h 4447 gpm (US)
Max. head	480 m 1575 ft	460 m 1509 ft
Max. speed	2900 rpm	3500 rpm
Max. fluid temperature	50 °C 122 °F	50 °C 122 °F

Materials	UPA 200 / 250 / 300 / 350
Pump	Grey cast iron / bronze / duplex
Impeller	Glass fibre reinforced Noryl / bronze / duplex
Motor	Grey cast iron / 304 / 316SS / 904L



PUFFER Rotating Equipment
Pumps & Parts ▪ Pump Skids ▪ Repairs & Services

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UPA 400 - UPA 1100 – Submersible Borehole Pumps from 16 to 44 Inches



Applications:

- General water supply
- Groundwater management in mining
- Cooling water and ballast water supply as well as pressure boosting on wind farms, platforms or vessels
- Cooling water and ballast water supply as well as pressure boosting in offshore applications

More information: www.ksb.com/products

UPA 400 - UPA 1100 –

Submersible Borehole Pumps from 16 to 44 Inches

High operating reliability and long service life

- Selection of robust materials for the toughest of requirements
 - Particularly wear-resistant material for bearings and wear rings
 - Wear-resistant material variant for heavily sand-laden fluids
 - Especially robust design of KSB mechanical seal in carbon/ceramics material combination

Remote operation

- No fixed service intervals
- Remote monitoring of conductivity and motor temperature for predictive maintenance

Tailored solution for low operating costs

- Flexible, order-specific adjustment of impeller diameter to operating conditions
- High-voltage motor specifically matched to the individual application
- Selection of matching cooling system, e.g. motor cooler, riser-based cooler or external cooling system
- Broad range of accessories such as chlorination aids, quench reservoirs, risers, well heads, swing check valves, plug-type systems, terminal boxes, and many more

Technical data

Diameter	From 16 inches to 44 inches
Flow rate	Up to 5,800 m ³ /h – 25,500 gpm (US)
Head	280 m – 920 ft (US)
Speed	Up to 3,500 rpm
Voltage	Up to 13,800 V
Materials	Depending on the application: grey cast iron, duplex, super duplex

Different values / materials on request



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