

## UPA – Submersible Borehole Pumps From 200 mm (8 Inches)



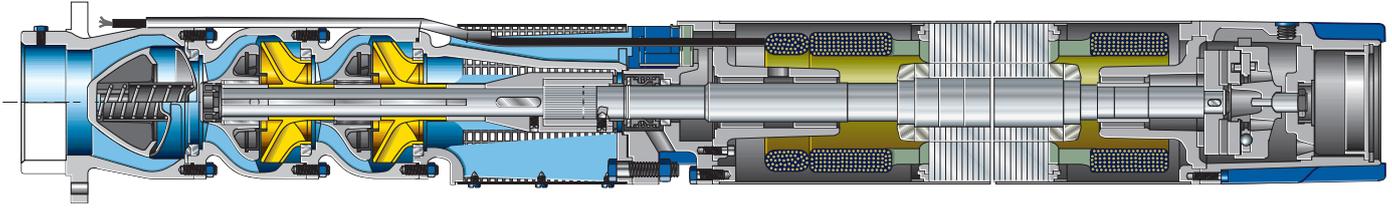
### Applications:

- 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

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# UPA – Submersible Borehole Pumps

## From 200 mm (8 Inches)



For heavy-duty applications:  
duplex variant now 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 / 200B / 250C / 300 / 350	
	50 Hz	60 Hz
Max. flow rate	840 m <sup>3</sup> /h 3700 gpm (US)	1010 m <sup>3</sup> /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 / 200B / 250C / 300 / 350
Pump	Grey cast iron / bronze / duplex
Impeller	Glass fibre reinforced Noryl / bronze / duplex
Motor	Grey cast iron / 304 / 316SS / 904L



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