



### PUMP

The Grundfos AP submersible waste water pump range are purpose designed for the transfer and drainage of heavily polluted liquids. Typical applications include sump or septic tank drainage, groundwater removal, site de-watering and industrial effluent transfer and all pumps are suitable for both permanent and portable installations.

Three pump models are offered, each of similar capacity though with different free passage capability, pump choice being determined by the quality of the pumped water. Special features include high quality stainless steel construction throughout, vortex hydraulics for the AP35 & 50 models and careful design to minimise clogging problems. The pumps are lightweight with many innovative design features to provide reliability and powerful pumping performance.

All models are provided with level switches to automatically control pump operation and are supplied with 10m of neoprene cable as standard.

### MOTOR

Pumps are provided with an integral asynchronous motor of the canned rotor type with liquid filled rotor chamber. All motors are provided with a thermal cutout to protect against overload and can be connected directly to the mains supply through a 10 Amp fuse and the use of an earth leakage circuit breaker (ELCB) with a nominal trip current of >30mA is recommended.

**Enclosure Class:** IP68

**Insulation Class:** F

**Voltage:** 1x240V

**Speed:** 2900rpm

### OPERATING CONDITIONS

**Pumped liquid:** Chemically non-aggressive liquids with a pH range 4-10 containing impurities up to the pump's designed free passage size.

**Fluid Temperature Range:** 0°C to +55°C

**Max. Installation Depth:** 10m below water surface.

**Max. Liquid Density:** 1100kg/m<sup>3</sup>

### PUMP DATA

Model	Motor	
	Input Power (kW)	Operating Current (A)
AP12	0.9	4.4
AP35	1.2	5.5
AP50	1.3	5.9

Model	Dimensions (mm)				Weight (kg)
	S	A	B	Free Passage Size	
AP12	1½"	321	216	12	12.5
AP35	1½"	410	216	35	13.5
AP50	2"	436	241	50	15.1

