



## AP PUMP

### Applications:

- Cutting, turning, milling, boring, grinding and similar applications of the machine tools,
- Band sawing machines,
- Ceramic cutting machines,
- Glass cutting and optical machines,
- Circulation systems. AP Pumps are used for pumping of cutting / cooling fluids.

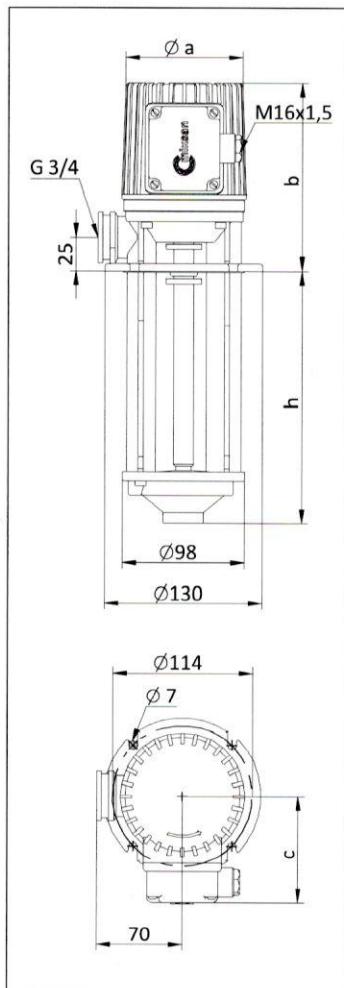
On demand, AP Pumps can be supplied with inlet strainer.

### Fluid Specifications:

- Coolants,
- Cutting oils,
- Grinding oils,
- Water,
- Chemical liquids
- Fluid temperature 0...60 °C
- Kinematic viscosity 1...30 mm<sup>2</sup>/s

### Materials:

Pump body	: PP
Volute	: PP
Impeller	: PP
Pump Shaft	: Engineering steel - AISI 1040 (DIN C35) Stainless steel - AISI 316 (DIN 4401) (Optional) Stainless steel - AISI 420(DIN X20Cr13) (Optional)
Strainer	: PE (Optional)
Electric motor	: 3 phase induction motor 1 phase induction motor (Optional) 2 pole Protection degree IP 54



### DIMENSIONS & NOMINAL VALUES

TYPE	Depth of immersion h (mm)	a mm			Weight kg	Power kW	Voltage V( $\Delta Y$ )	Frequency Hz	Rated current A	Speed rpm
		a	b	c						
AP 11	110	96	152	83	3.0	0.09	230/400	50	0.48/0.28	2830
AP 16	160				3.15					
AP 21	210				3.3					

\* Pump dimensions according to EN 12157.

\*\* The performance curves are based on 1 mm<sup>2</sup>/s (cSt) kinematic viscosity values and 997 kg/m<sup>3</sup> density

\*\*\* Curve tolerance according to ISO 9906:2012 Grade 3B.

Performance Curve

