





**Vertical End Suction Pumps**

are centrifugal inline pumps with a compact design where the impeller is mounted onto the extended motor shaft. These pumps are not self-priming and must be gravity fed. All pumps are equipped with double mechanical seal. This pump series is designed for vertical installations next to a tank and for pumping **air entrained coolant fluids**, such as **water-soluble coolants or cutting oils**, as they occur in **high speed turning, milling or grinding applications**.

The SBA pumps are equipped with the user-friendly 45 degree **flange** connection which allows for either vertical or horizontal pipe connection and the connection of a pressure gauge with NPT 1/4. For more information see mechanical features within the technical information section.

**Applications**

- Types of fluid
  - coolants
  - cooling/cutting oils
- Kinematic viscosity
  - ...200 SSU (...45 mm<sup>2</sup>/s)
- Pumping temperature
  - 30...175 °F (0...80 °C)

**Construction**

Pump body	cast iron
Cover	cast iron
Impeller axial	CrMo-steel
Impeller radial	cast steel
Shaft	steel
Mechanical seal	SiC
Noise level (Motor only; Tolerance +3 dBA)	
SBA601S-V	65 dBA
SBA602S-V	69 dBA
SBA603S-V	72 dBA
SBA604S-V	74 dBA

