





**Horizontal 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 a single mechanical seal.

Upon request a second mechanical seal is available to allow for dry-running (-GD).

This pump series is designed for horizontal installations next to a tank and for pumping **highly air entrained coolant fluids**, such as **water-soluble coolants (emulsions)**, as they occur in **high speed machining applications, such as turning and milling**.

The SBF 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
- Max. chip to coolant ratio by weight: 1.0 % depending on the specific chip type
- Chip material: Aluminium, steel, coloured steels, cast iron
- 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	cast steel
Impeller radial	cast steel
Shaft	steel
Mechanical seal	SiC
Noise level (Motor only; Tolerance +3 dBA)	
SBF1350S	76 dBA
SBF1550S...SBF1850S	78 dBA

