

SCANPUMP PUMPS

THE SCANPUMP PUMPS are designed especially for pumping and delivery of all common sorts of paper stocks with consistency up to 6 %, furthermore for water, impure liquids and sediments.

Design of their hydraulic part with an opened impeller enables to pump stocks with high efficiency and reliability in service. According to a pump size their flow rate is ranging from 20 to 6.500 m³/h at delivery head from 5 to 160 m. All parts coming in contact with the concerned liquid are made of stainless materials providing a wide range of applications. The hydraulic part is formed by a right-handed pump casing provided with footing. The delivery part is made as a tangentially flanged branch. The volute-type casing is completed with a front plate.

Main parts

- ♦ volute-type casing (1)
- ♦ impeller (2)
- ♦ shaft bedded in bearings of beam-pumping unit (3)
- ♦ clutch with guard (4)
- ♦ base frame for pump and electric motor (5)
- ♦ electric motor (6)

Advantages

- ♦ easy installation and assembly of pumping set comprising pump and electric motor
- ♦ simple routine maintenance

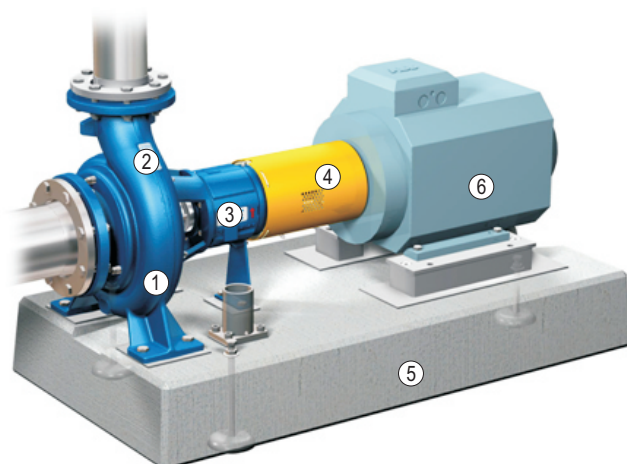
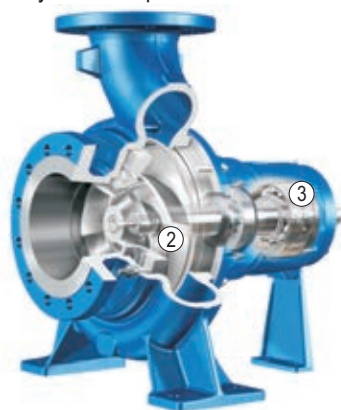
Impeller types:

- ♦ 6-vane (basic) impellers, used for pumping of stocks with consistency up to 6 %, provide high pumping efficiency
- ♦ 3-vane impellers are used for pumping of thick liquids, recycled paper and in applications with danger of pump clogging
- ♦ special impellers intended for reduction of pressure pulsation at pumping
- ♦ alternative to basic impellers intended for pump size 1-2

Material

All working parts of the pump, incl. impeller, are casted from stainless steel, other parts are made of structural steel and grey cast iron.

Design and work safety are in compliance with EU standards.



Semi-open impeller "Standard"



Semi-open impeller with a reduced number of vanes



Special low-pulsation impeller



Semi-open impeller "Vortex"

Working space packing

These pumps are standardly supplied with mechanical seals packed with cords. Optionally and according to the given medium to be pumped we can install also other types of seals. For stocks with consistency up to 3 % our pumps are provided with single mechanical seals without rinsing, for stocks with consistency exceeding 3 % these seals are rinsed.

As to characteristics of particular liquids to be pumped it is possible to use also doubled mechanical seals or even packing cartridges.

Alternatively, our pumps can be provided also with dynamical seals (MasterSeal). This type of the seal is intended especially for pumps running in day-and-night duty.

