

Product sheet – Blood and Feather Pump



Blood and feather pump



Pump box



Cross-section

Our water pump belongs in the group of pumps operating on the principle of energy conversion (based on water fluidic principles) taking place in a rotary impeller with blades), where the fluid is expelled with a swirl from the space between the blades of the impeller. Therefore, this pump groups is called vortex pump.

With respect to its construction and design, it is a volute, single-stage, single-suction, single-impeller centrifugal pump with a horizontal axis.

During operation, the fluid (blood) is forwarded to the impeller through the intake nipple (tube) in the direction of the rotation axis, which then speeds up the fluid (blood), increases its velocity energy rate, and forwards it radially to the compression space connected to the impeller. The compression space is designed as a ring-shaped collection space, volute. The fluid pressure increases in the compression space due to the

Technical parameters

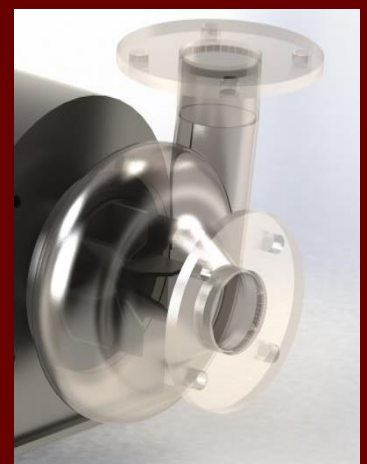
Power demand:	3.0 kW (400 V, 50 Hz)
Maximum particle size of Solid contaminants:	1-2 mm
Impeller size:	Ø 140 mm
Installation size:	310 x 630 x 380 mm
Connections	
Inlet nipple:	NA80 rim
Outlet nipple:	NA80 rim
Electric motor protection:	IP55

Type

SVSZ-01
STSZ-01

Used materials

Compliance with the food industry and hygienic regulations was an important factor during design. Accordingly, exclusively stainless steel materials were used in the design.



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