



Centrifugal Pump Stursan

**Pumping solutions for the food, beverage,
pharmaceutical and chemical industry**

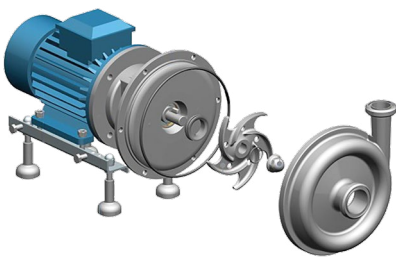
Centrifugal Pumps

KTF Series

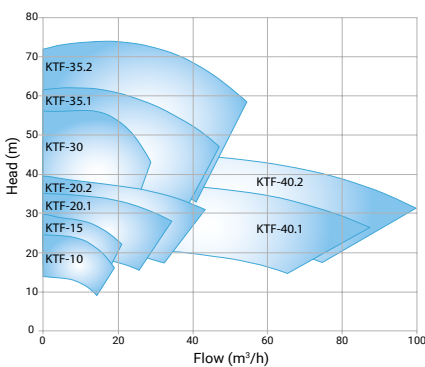


Stursan Centrifugal pump.

Open impellers with several diameters to each model.



- **Max. Flow Rate:**
100 m³/h - 2900 rpm
50 m³/h - 1450 rpm
33 m³/h - 960 rpm
- **Max. Differential Pressure:** 74 m
- **Temperature:** -20°C to 140°C
- **Max. Power:** 30 KW



Test conditions:

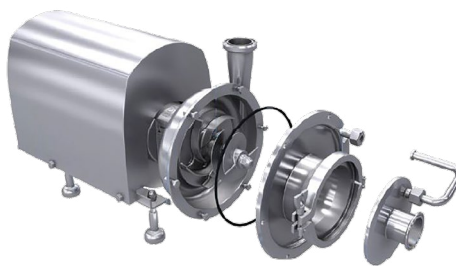
Water in standard conditions, 20°C, impeller speed 2900 RPM

ZTF Series

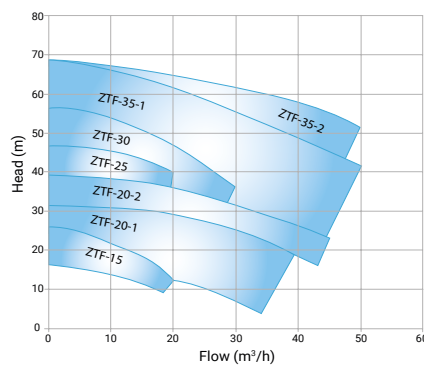


Centrifugal pump with priming system.

It can be used as a self-priming return circulation pump in a CIP system or as a centrifugal pump.



- **Max. Flow Rate:**
50 m³/h - 2900 rpm
- **Max. Differential Pressure:** 66 m
- **Max. Suction:** 8 m
- **Temperature:** -20°C to 150°C
- **Max. Power:** 20 KW



CIP-U/CIP-L Series

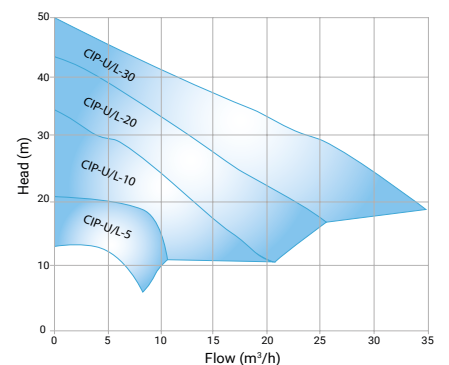


Reversible self priming liquid ring pump.

It can be used to empty tanks and pipelines.



- **Max. Flow Rate:**
40 m³/h - 1450 rpm
- **Max. Differential Pressure:** 42 m
- **Max. Suction:** 8 m
- **Temperature:** -20°C to 130°C
- **Max. Power:** 15 KW



Materials

- **Wetted parts:** 316L Stainless Steel Cast and machined.
- **Impeller:** AISI-316L Stainless. Open impellers with several diameters to each model to KTF series.
- **Mechanical Seal:** Simple SiC/SiC or Double SiC/SiC with Flush. Only one size of mechanical seal for all models.
- **O’rings:** EPDM, FKM, NBR (FDA)

Surface finished

- Surface finished:** Hygienic quality, hand polished welds.
- Standard (Wetted parts Ra < 0,8 CNC mechanical finishing. Open impeller Ra<3,2)
 - On demand (Wetted parts and impeller; Ra < 0,8 or Ra < 0,5 CNC mechanical finishing)

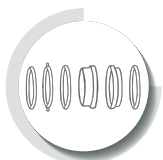
Connections

- **Input/Output connection:** DIN 11851 / SMS/ ISO / IDF / RJT / ASME BPE 3A.
- **Type:** thread, clamp, flange, aseptic flange.

Certification and Compliance



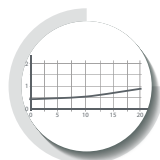
Pump benefits



Single closure size



High efficiency



Low values of NPSHr



Robust construction



Chemical resistance



Gentle product handling



Easy maintenance

Applications



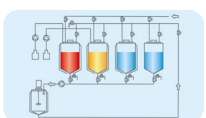
- **Food and beverage:** Juice, tea drinks, wine, beer, milk, dairy products..



- **Process:** heat exchangers, filtration units, brine injectors...



- **Chemical industry application:** Pesticide, Insecticide, Herbicide, Fertilizer...



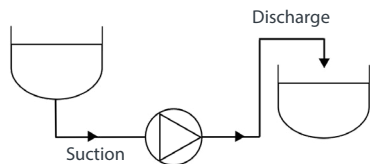
- **CIP System**

Application Data Sheet: Centrifugal pumps

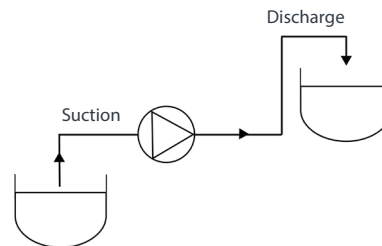
Pump Type: Centrifugal

Process Requirements

Positive installation head



Negative installation head



Suction Line

High (m) Length (m) Ø pipe (mm)

Adicional accesories

Discharge Line

High (m) Length (m) Ø pipe (mm)

Adicional accesories

Duty

Continuous	Intermittent	Hours per day
Assembly location	Outside	Inside
Corrosive environment	Yes	No
	Temperature environment and humidity	

Process Parameters

Flow Rate l/min Max Pressure Bar

Fluid description

Name	Concentration
Max Viscosity (cP @ °C)	Does the end product tend to foam?
Density (Kg/m ³)	No A Little A Lot
ProcessTemp (°C)	Is the fluid abrasive?
Max Temp (°C)	No Slightly Very
Solids Yes No Quantity (%) Size (mm)	
Flow Properties similar to:	


Requirements


Connections Polish Gasket material

Electrical Requirements

Voltage Phase Hz IP Inverter Yes No



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