

# Centrifugal Pump Stursan

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

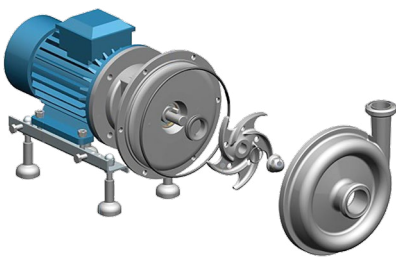
## Centrifugal Pumps

### KTF Series



**Stursan Centrifugal pump.**

Open impellers with several diameters to each model.



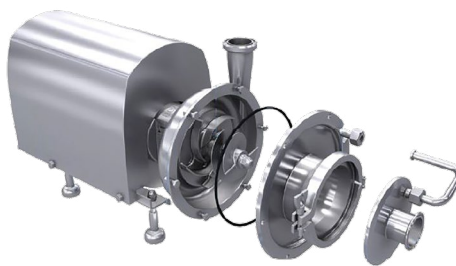
- **Max. Flow Rate:**  
100 m<sup>3</sup>/h - 2900 rpm  
50 m<sup>3</sup>/h - 1450 rpm  
33 m<sup>3</sup>/h - 960 rpm
- **Max. Differential Pressure:** 74 m
- **Temperature:** -20°C to 140°C
- **Max. Power:** 30 KW

### 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 m<sup>3</sup>/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

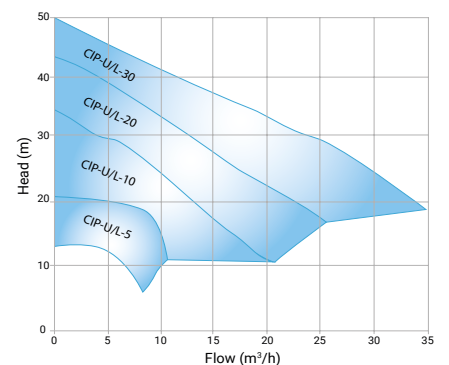
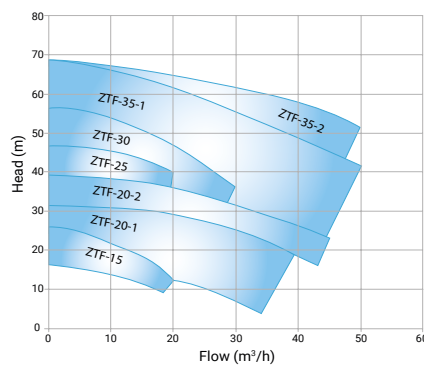
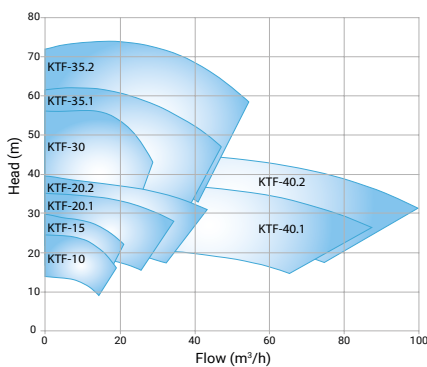


**Reversible self priming liquid ring pump.**

It can be used to empty tanks and pipelines.



- **Max. Flow Rate:**  
40 m<sup>3</sup>/h - 1450 rpm
- **Max. Differential Pressure:** 42 m
- **Max. Suction:** 8 m
- **Temperature:** -20°C to 130°C
- **Max. Power:** 15 KW



**Test conditions:**

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

### 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)

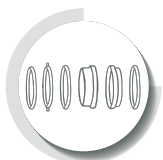
### Connections

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

### Certification and Compliance



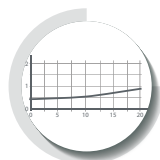
### Pump benefits



Single closure size



High efficiency



Low values of NPSHr



Robust construction



Chemical resistance



Gentle product handling



Easy maintenance

### Applications



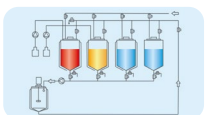
- **Food and beverage:** Juice, tea drinks, wine, beer, milk, dairy products..



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



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

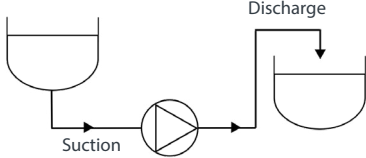
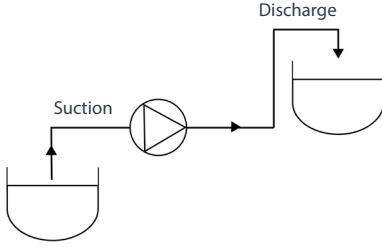


- **CIP System**

## Application Data Sheet: Centrifugal pumps

**Pump Type:** Centrifugal

**Process Requirements**

<p><b>Positive installation head</b></p> 	<p><b>Negative installation head</b></p> 												
<p><b>Suction Line</b></p> <table style="width: 100%;"> <tr> <td style="width: 33%;">High (m)</td> <td style="width: 33%;">Length (m)</td> <td style="width: 33%;">Ø pipe (mm)</td> </tr> <tr> <td colspan="3">Adicional accesories</td> </tr> </table>		High (m)	Length (m)	Ø pipe (mm)	Adicional accesories								
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<p><b>Discharge Line</b></p> <table style="width: 100%;"> <tr> <td style="width: 33%;">High (m)</td> <td style="width: 33%;">Length (m)</td> <td style="width: 33%;">Ø pipe (mm)</td> </tr> <tr> <td colspan="3">Adicional accesories</td> </tr> </table>		High (m)	Length (m)	Ø pipe (mm)	Adicional accesories								
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Continuous	Intermintent	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/m3)	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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