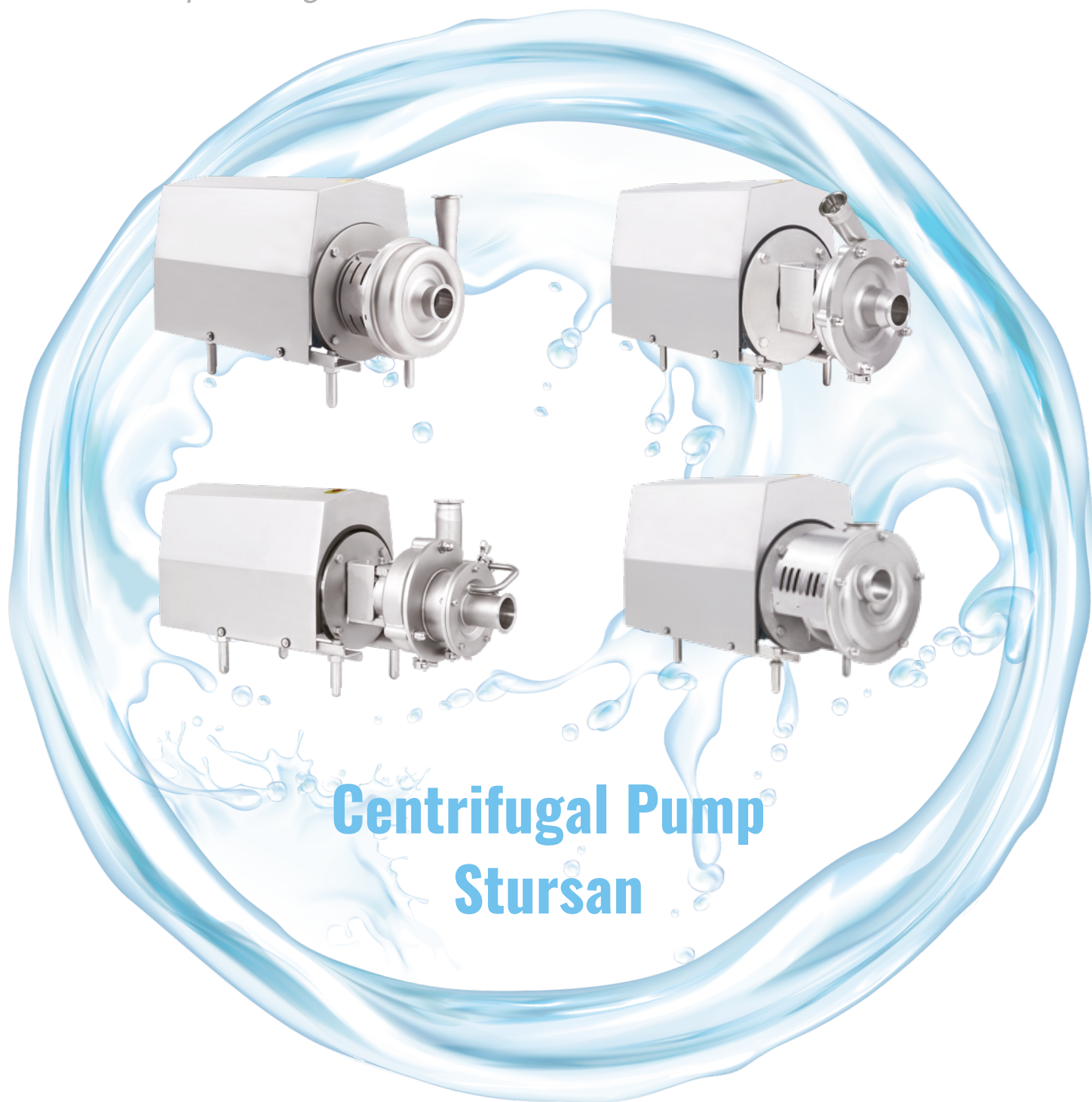




TECHNIQUES DES FLUIDES

Keep Flowing



Centrifugal Pump Stursan

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

STURSAN

Rev 1. 11/2025

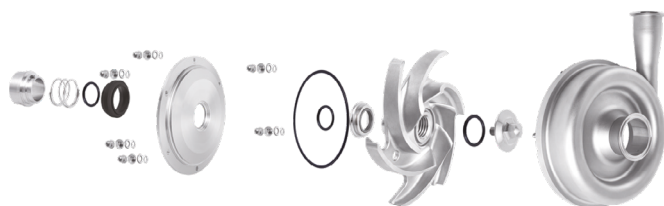
Centrifugal Pumps

CTF Series

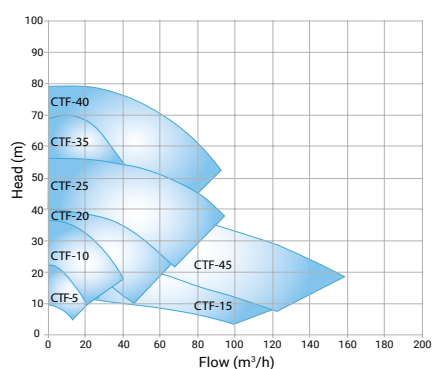


Stursan Centrifugal pump.

Open impellers with several diameters to each model.



- **Max. Flow Rate:**
160 m³/h - 2900 rpm
- **Max. Differential Pressure:** 80 m
- **Temperature:** -10°C to 140°C
- **Max. Power:** 30 KW



STF Series

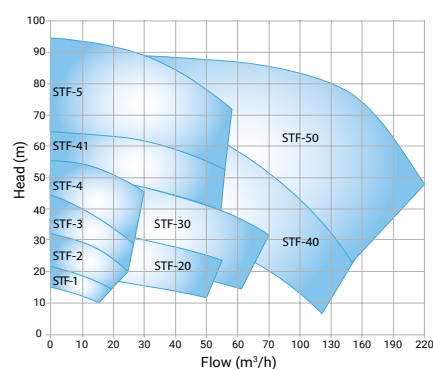


Stursan Centrifugal pump.

Open impellers with several diameters to each model.



- **Max. Flow Rate:**
220 m³/h - 2900 rpm
- **Max. Differential Pressure:** 95 m
- **Temperature:** -20°C to 180°C
- **Max. Power:** 90 KW

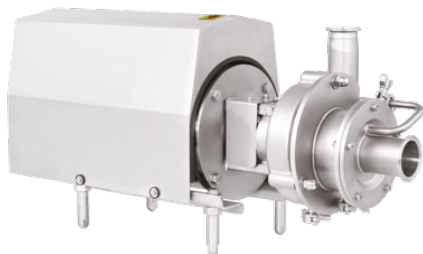


Test conditions:

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

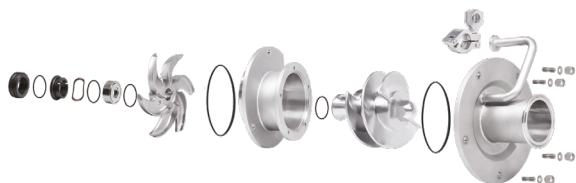
Centrifugal Pumps

LPTF Series

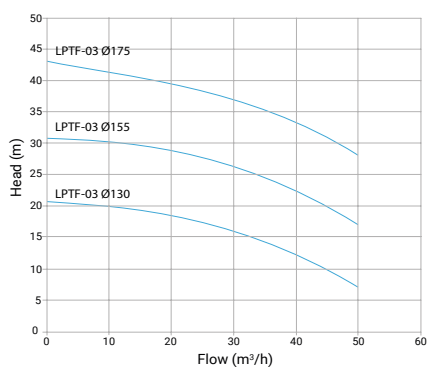


Centrifugal pump with priming system.

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:** 42 m
- **Max. Suction:** 8 m
- **Temperature:** -20°C to 140°C
- **Max. Power:** 22 KW

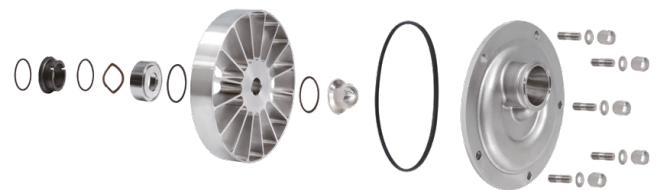


LTF Series

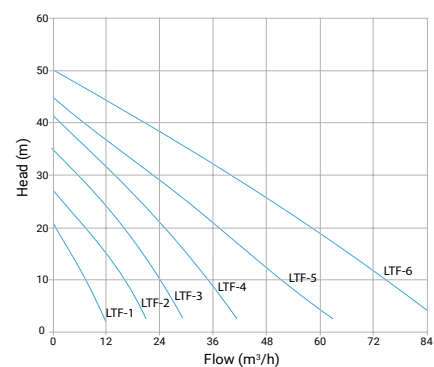


Self priming liquid ring pump.

It can be used to empty tanks and pipelines.



- **Max. Flow Rate:**
84 m³/h - 1450 rpm
- **Max. Differential Pressure:** 50 m
- **Max. Suction:** 8 m
- **Temperature:** -20°C to 140°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 CTF and STF series.
- **Mechanical Seal:** Simple SiC/SiC or Double SiC/SiC with Flush.
- **O' rings:** EPDM, FKM, NBR (FDA)

Surface finished

- Surface finished:** Hygienic quality, hand polished welds.
- Standard (Wetted parts Ra < 0,8 CNC mechanical finishing)
 - On demand (Wetted < 0,5 CNC electropolished)

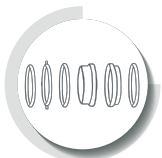
Connections

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

Certification and Compliance



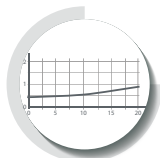
Pump benefits



Single closure size



High efficiency



Low values of NPSHr



Robust construction



Chemical resistance



Gentle product handling



Easy maintenance

Applications



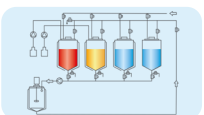
- **Food and beverage:** Juice, tea drinks, wine, beer, milk, dairy products..



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



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



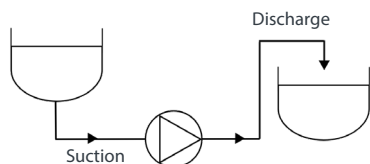
- **CIP System**

Application Data Sheet: Centrifugal pumps

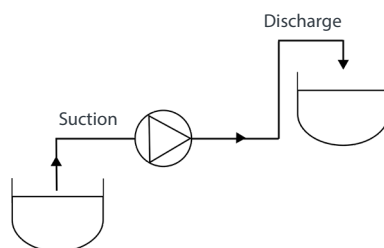
Pump Type: Centrifugal

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

Max Viscosity (cP @ °C)

Density (Kg/m3)

ProcessTemp (°C)

Max Temp (°C)

Solids ☐ Yes ☐ No Quantity (%) Size (mm)

Flow Properties similar to:

Concentration

Does the end product tend to foam?

☐ No ☐ A Little ☐ A Lot

Is the fluid abrasive?

☐ No ☐ Slightly ☐ Very

Requirements

Connections Polish Gasket material

Electrical Requirements

Voltage Phase Hz IP Inverter ☐ Yes ☐ No



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