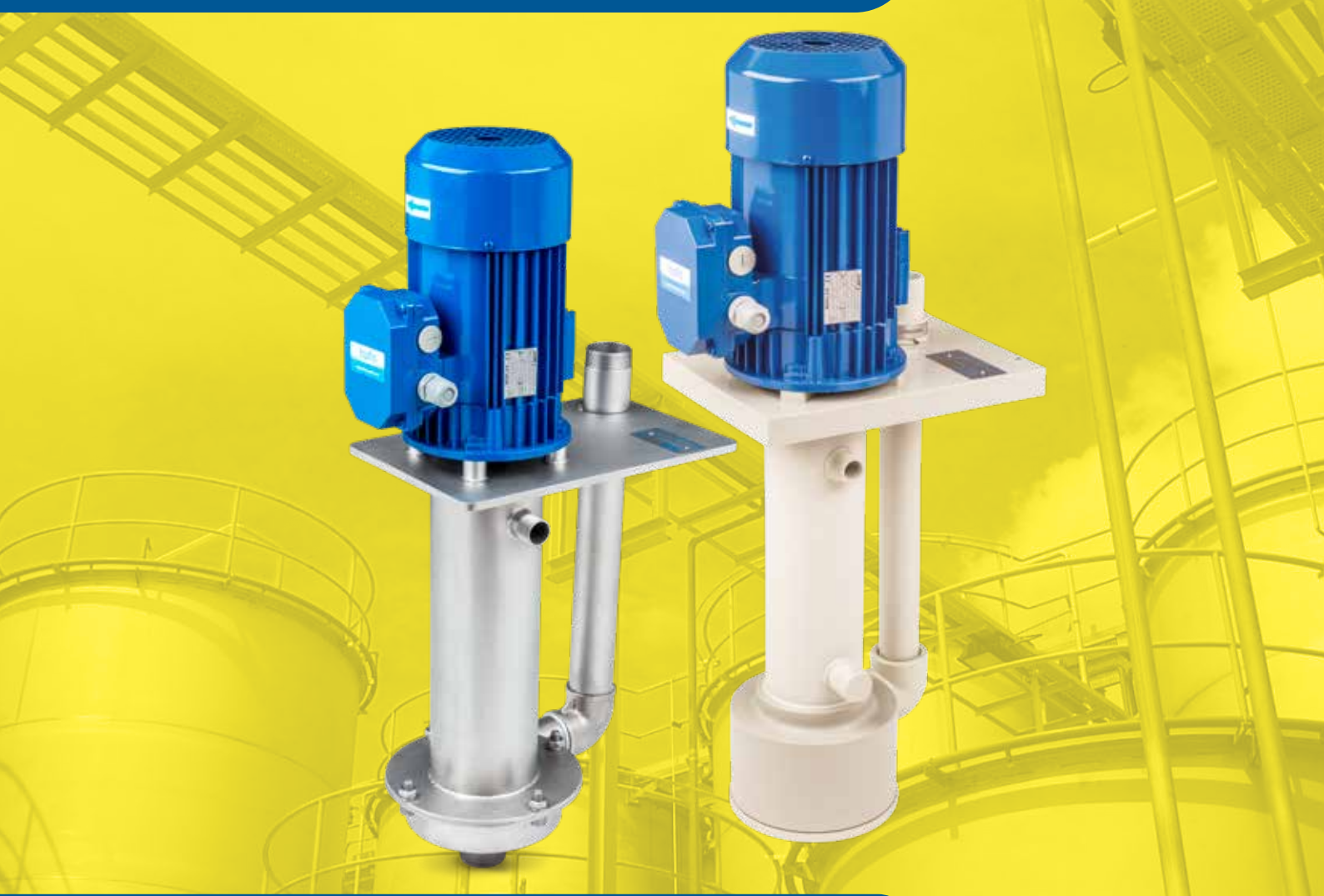
tapflo®

CTV VERTICAL CENTRIFUGAL PUMPS

2025 | 1



All about your flow®

www.tapflo.com

CTV Vertical Centrifugal Pumps

provide reliable circulation and fluid transfer of various liquids

The CTV are a vertical, seal less centrifugal pumps made from PP, PVDF or AISI 316L stainless steel.
The CTV series are single-stage pumps with the pump casing directly submerged in the liquid. It is driven by an asynchronous electric motor. They are successfully used in various applications in today's industries.

CTV - plastic execution (PP or PVDF)

- impeller with **high back vanes to avoid liquid** from reaching the motor.
- motor shaft sleeve in **PP or PVDF to avoid any metal in contact with the liquid** – no corrosion

CTV - stainless steel execution (AISI 316L)

- **open impeller** for good solids handling
- **all wetted metal components** made of corrosion **resistant AISI 316L stainless steel**

EN 10204

Certificates may vary depending on material execution of particular product.

Features

- Leakage free & safe dry running
- Low maintenance cost
- Replacing self-priming pumps
- Handling liquids with particles possible (up to Ø 6 mm)

Options and special executions

Suction extension (PP, PVDF, SS)

It is a great solution **when there is a need to empty a tank** or sump from a lower level than the immersion depth of the pump.

A 500 mm and 1000 mm extension pipe is available as a standard.

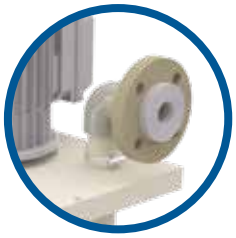
Left-hand thread on pump cover (PP, PVDF)

For plastic CTV pump there is an option of a left-hand thread on the pump cover. The thread can be differed from standard one with a cut on the socket.

This way unintentional unscrewing of pump cover is avoided. This option is recommended **especially when viscous liquids are pumped**.

Strainer (PP, PVDF, SS)

A suction strainer is also a possible option **where the liquid is dirty or contains solids**.



Optional discharge connection (PP, PVDF, SS)

If required, the CTV pump can be delivered with optional connections on the discharge side. Flanges following **ANSI and DIN standard are available**. Loose or welded flange.

Wide range of applications

CTV

Industries:

- **chemical,**
- **surface treatment,**
- **machinery, echanical,**
- **foundry,**
- **paint,**
- **wastewater treatment plants**

Applications:

acids,

toxic and corrosive chemicals,

detergent concentrates,

circulation of galvanic baths,

feeding and unloading of storage tanks, filters, containers, sumps.

powering process equipment, dosing systems, dispensing units, test rigs.

CTV - plastic series

Materials, data and limits

Casing	PP or PVDF
Impeller	PP or PVDF
Casing O-ring	EPDM (for PP), FKM (for PVDF) or FEP/Silicone
Motor*	IEC standard, 3-phase, 2-pole, IP55
Temperature	PP: from 0 °C up to 70 °C PVDF: from -20°C up to 100 °C
Particles	max diameter is Ø 6 mm

*other motor options available on request

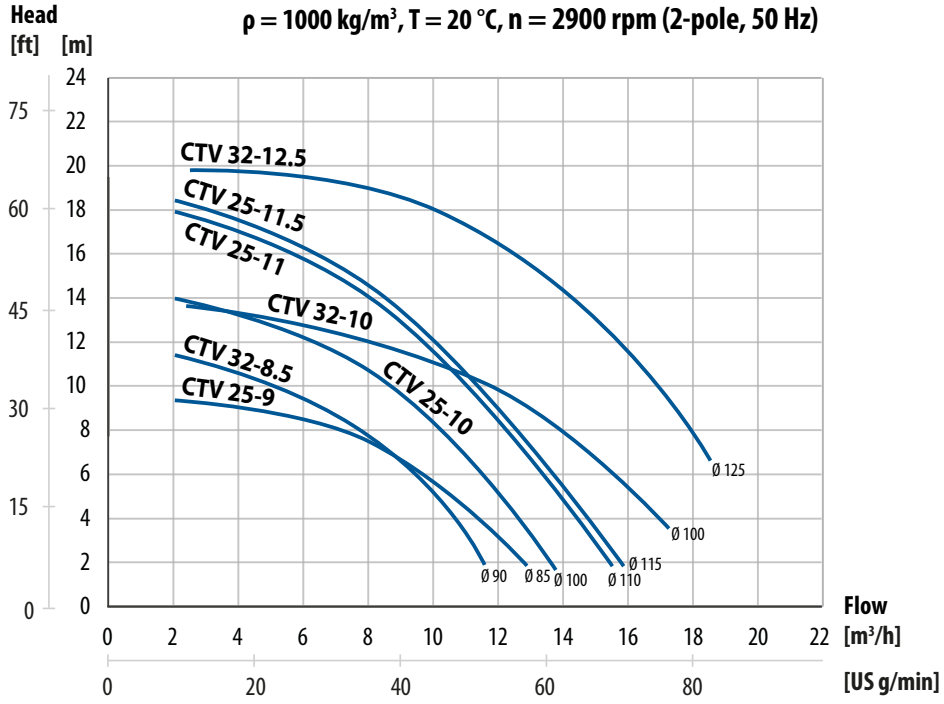
Connection dimensions

Model	BSPP (G) thread (standard)	
	Inlet	Outlet
CTV 25-9	1 ½"	1"
CTV 25-10	1 ½"	1"
CTV 25-11	1 ½"	1"
CTV 25-11.5	1 ½"	1"
CTV 32-8.5	1 ½"	1 ¼"
CTV 32-10	1 ½"	1 ¼"
CTV 32-12.5	1 ½"	1 ¼"

on request ANSI and DIN flanges

Performance curves

The performance curves are based on water.



Available motor powers

2-pole motor	25-9; 20-9	25-10; 25-9.8	25-11; 25-9.8	25-11.5; 40-12.5-15	32-8.5	32-10	32-12.5; 40-12.5-22; 40-13.5
Motor power [kW]	0.55	0.75	1.1	1.5	1.1	1.5	2.2

CTV - stainless steel series

Materials, data and limits

Casing	AISI 316L stainless steel
Impeller	AISI 316L stainless steel
Casing O-ring	EPDM, FKM or FEP/Silicone
Motor*	IEC standard, 3-phase, 2-pole, IP55
Temperature	max 100 °C
Particles	max diameter is Ø 6 mm

*other motor options available on request

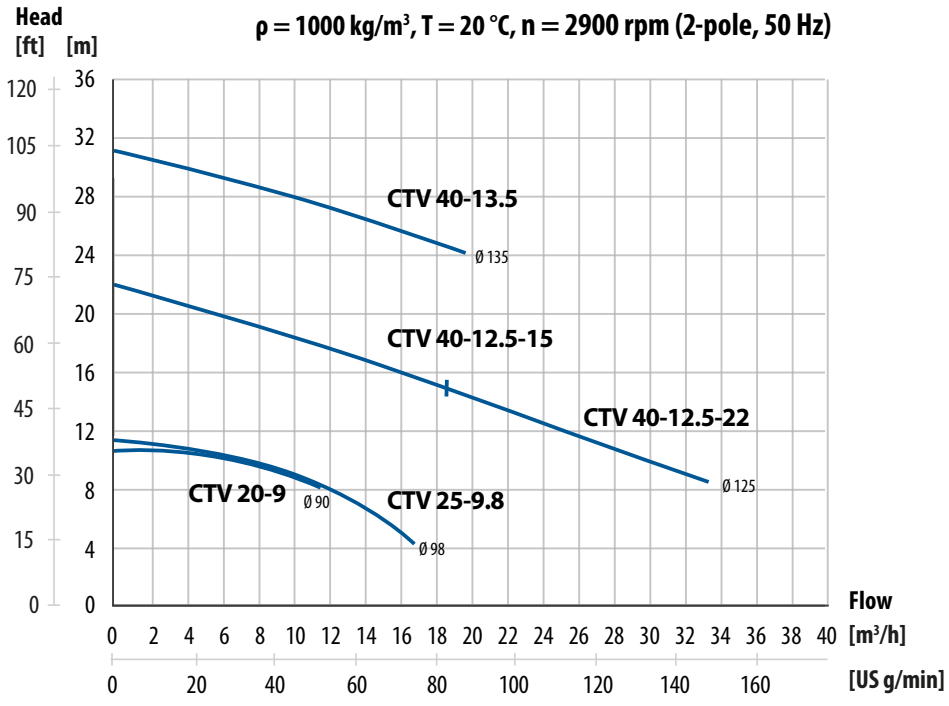
Connection dimensions

Model	BSPT (R) male thread (standard)	
	Inlet	Outlet
CTV 20-9	1″	¾″
CTV 25-9.8	1 ½″	1″
CTV 40-12.5	1 ½″	1 ½″
CTV 40-13.5	1 ½″	1 ½″

on request ANSI and DIN flanges

Performance curves

The performance curves are based on water.



CTV Pump code

I. Tapflo vertical centrifugal pump	II. Pump size		III. Impeller size	IV. Pump housing material		V. Pump options		VI. Motor power	VII. Motor options
CTV	25	-	10	P	-	2V	-	07	R

Mobile Pump Solutions

solve the problem of spread technological processes

The portability of the units allows easy movement to various locations. This means almost limitless application.

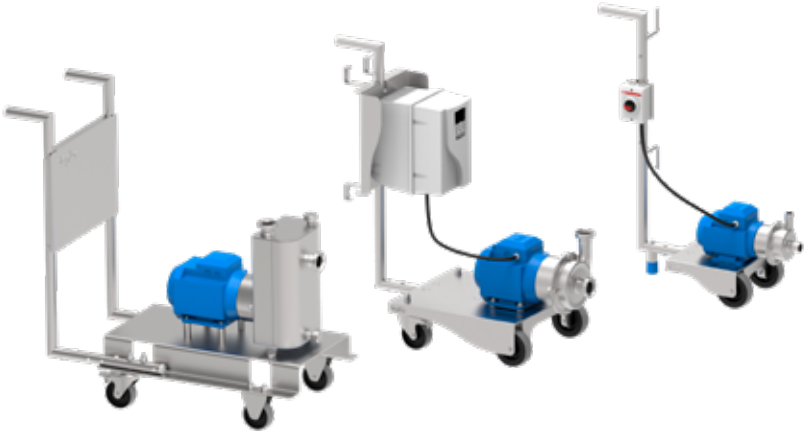
Mobile pump units are available in both hygienic and industrial designs. The great advantage is the compatibility with the majority of Tapflo centrifugal pumps range.
Moreover, it is possible to compose the trolley to your own needs by using a number of accessories such as ON-OFF switches, frequency inverters, or cable holders.

Hygienic Trolleys

- Stainless steel polished drip tray
- Valve for drainage
- 3 sizes available

Industrial Trolleys

- Stainless steel construction
- Compact and strong baseplate
- 3 sizes available



Special executions

CTH Liquid Soap Dispensing Unit on M hygienic trolley

CTI mobile transferring pump on the dedicated trolley

Product range

Diaphragm pumps

Electrically operated pumps

PE & PTFE pumps

Metal pumps

Pharmaceutical pumps

Sanitary pumps

TC Intelligent pumps

Powder pumps

TF Filter press pumps

Steinle filter press pumps

Aseptic pumps

Centrifugal pumps

CTXH & I, CTH & I pumps

CTXS H & I, CTS H & I self-priming pumps

CTV vertical pumps

CTP plastic pumps

CTM magnetic drive pumps

Other pumps

Hose pumps

Submersible pumps

LPX Lobe pumps*

Mixers

Industrial Mixers

Systems

HVS Quattro Drum Unloading System

Filters

FT Filter units

Accessories

Pulsation dampeners

Control systems

Hygienic valves

Hygienic & Industrial Trolleys

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We began our journey in 1980 in Kungälv, a small town on the Swedish west coast, as a family company with an ambition to one day become a global player on the pump market.

Since the foundation, we have taken pride in delivering a wealth of knowledge and passion for pumps to the industry, whilst supplying a wide range of premium products for various industrial applications.

Over the years, the company has developed into a global Tapflo Group with branches and distributors present in nearly every region of the world.

One thing did not change - we are still a family company.

Tapflo products and services are available worldwide.

Tapflo is represented by own Tapflo Group Companies and carefully selected distributors assuring highest Tapflo service quality for our customers' convenience.

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