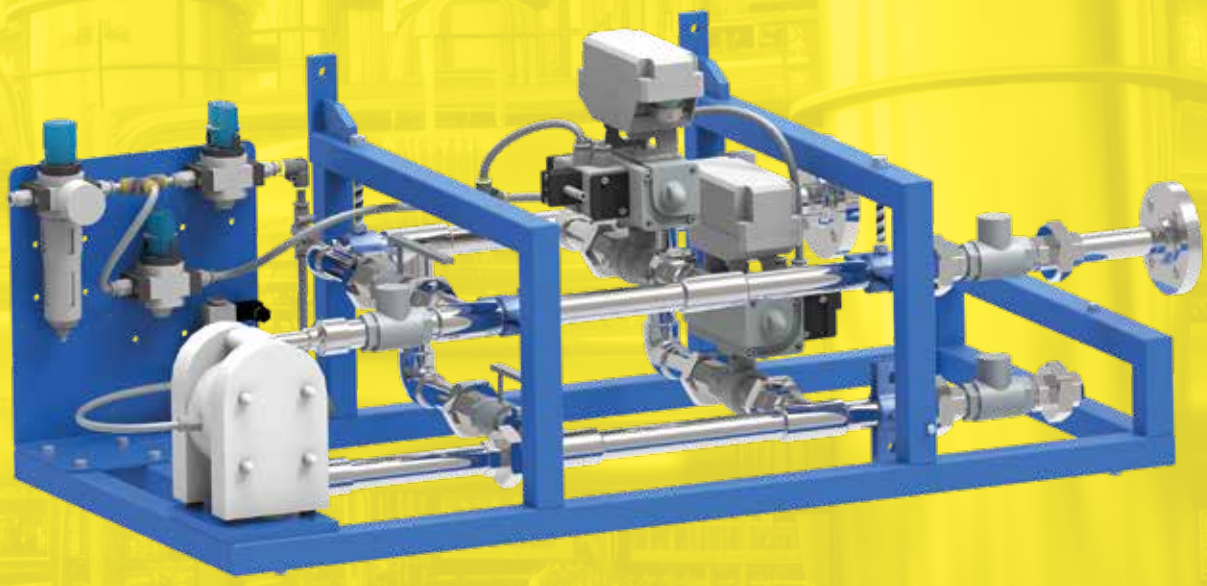
tapflo®

PUMPS
FLOW SOLUTIONS
ACCESSORIES

2023 | 1



All about your flow®

www.tapflo.com

All about your flow®

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.

Our solutions are designed and manufactured in Europe and distributed globally to offer the best service and flow solutions to our customers for a variety of applications.

Our values, Commitment, Quality and Simplicity are reflected both in our product and business approach.

For fast and flexible service and high-quality products readily available worldwide, choose Tapflo.

Quality commitment

At Tapflo we are simply committed to quality. As a result, our production standards, as well as products quality, comply with various globally recognised certification and quality control standards. The Tapflo manufacturing process is certified according to ISO 9001:2015, confirming that our processes are appropriate, effective, customer-focused and continuously improved.

Tapflo values

Our culture is concluded in Our values

Commitment

We are different from our competitors because of our willingness to exceed the customers' expectations, move fast and be flexible. Our culture is based on the spirit of togetherness, enthusiasm and integrity. We come from all over the world but we share the same values and we respect each other. We are committed.

Quality

We understand that the quality in our work is never better than the weakest link, that's why we focus on every small detail. We share a common passion for continuously finding more efficient and effective ways to provide value to our customers. As a manufacturer we have control of the complete process both in terms of our products and the way we operate internally. That is why we manufacture the highest quality pumps in our segment.

Simplicity

We have a saying, "Simple is art" which means we try to find smooth and uncomplicated solutions in everything. By keeping it simple we can focus on the essential, like designing uncomplicated pumps with few components. For us it is a key to success; strive to simplify what is complex.

Air Operated Diaphragm Pumps

EN 10204

Certificates may vary depending on series and material execution of particular product

Features & Benefits

- run dry without damage
- thorough flow control
- self-priming up to 5 m
- air operated - no electricity is needed
- solid, strong construction
- dead head capability
- lubrication-free air system

PLASTIC

- the widest variety of options on the market
- small number of components
- for almost any kind of liquid
- robust design

Applications: food, chemicals, pulp, paper, surface treatment, print, paint, water treatment, electronics
Material: PE, PTFE
Max. capacity: 820 l/min
Max. pressure: 8 bar

METAL

- great mechanical strength
- good chemical resistance
- low amount of parts for quick and easy maintenance
- versatility

Applications: ceramic, chemicals, construction, mining, print, paint, workshop
Material: aluminium, cast iron, AISI 316L stainless steel, PTFE coated aluminium
Max. capacity: 820 l/min
Max. pressure: 8 bar

CERTIFIED EHEDG EUROPEAN HYGIENIC ENGINEERING & DESIGN GROUP
TYPE EL CLASS I
SEPTEMBER 2020

SANITARY

- food grade approved (FDA, EC1935, USP VI)
- gentle product handling
- CIP/SIP capable
- flap valves for big solids handling

Applications: dairy, grocery, bakery, brewery, food, beverage, hygiene, pharmaceutical, cosmetics
Material: AISI 316L stainless steel
Max. capacity: 820 l/min
Max. pressure: 8 bar

ASEPTIC

- fully drainable and cleanable - no dead ends
- EHEDG approved
- extra fine internal surface finish
- CIP/SIP capable

Applications: food, dairy, cosmetics, pharmaceutical, biotech
Material: AISI 316L stainless steel
Max. capacity: 400 l/min
Max. pressure: 8 bar

FILTER PRESS

- self-priming and self-regulating
- pressure transmission up to 2 : 1
- optimal pump operation during the filter press filling process
- dead head capability
- robust design

Applications: waste water treatment, galvanic, oil filtration
Material: PE, PTFE, aluminium, cast iron, AISI 316L stainless steel, PTFE coated aluminium
Max. capacity: 400 l/min
Max. pressure: 12/16 bar (depending on the size of pump)

STEINLE FILTER PRESS

- self-regulating for filter press applications
- high pressure transmission up to 3.3 : 1
- external electronic air valve
- solid construction for heavy duties

Applications: automotive, chemicals, paper, filter press applications, porcelain, glass and ceramics
Material: mild steel, AISI 316 stainless steel, PP
Max. flow: 18 m^3/h
Max. pressure: 24 bar

POWDER

- convenient and safer than manual powder handling
- hermetic pump design
- powder fluidization with every stroke
- simple design

Applications: sintering powder, carbon black and silicones
Material: PTFE coated aluminium
Max. pressure: 8 bar

PHARMACEUTICAL

- extremely easy to maintain
- inert materials no contamination of the pumped product
- USP class VI approved materials
- sanitary design smooth internal surfaces

Applications: biotech, pharmaceutical
Material: PP, PTFE
Max. capacity: 570 l/min
Max. pressure: 8 bar

INTELLIGENT - LOW AIR CONSUMPTION - PLASTIC, METAL, SANITARY

- electrical stroke feedback
- low noise and pulsation
- improved lifespan & maintenance
- control simplification
- any existing Tapflo air operated diaphragm pump can be fitted with LEAP

Applications: dairy, grocery, bakery, brewery, food, beverage, hygiene workshop, print, paint, mining, construction, ceramic, chemicals, pulp, paper, electronics, surface treatment, water treatment, pharmaceutical, cosmetics
Material: PE, PTFE, aluminium, cast iron, AISI 316L stainless steel, PTFE coated aluminium
Max. capacity: 470 l/min
Max. pressure: 8 bar

Electrically Operated Diaphragm Pumps

EN 10204

Certificates may vary depending on series and material execution of particular product

PLASTIC, METAL, SANITARY

- safe, simple and easy to use and maintain
- run dry without damage
- cost effective drive
- self-priming from dry suction pipe
- lack of rotary seals

Applications: hygienic, industrial, chemicals, surface conditioning, water treatment, paint, print, pulp, paper, mechanical, varnish
Material: PE, PTFE, aluminium, cast iron, 316L stainless steel
Max. capacity: 220 l/min
Max. pressure: 4 bar

Pumps with built-on dampeners

TK/TEK - AODD/EODD

- protection against pulsation for all kinds of instruments in piping system
- minimized vibrations and water hammer effects
- no piping or additional connections are required

SET - EXTANSION OF TK

- compact and ready to use integrated set
- solution for larger pump than T200 with a built-on dampener
- available in both vertical and horizontal arrangement

Pulsation Dampeners

EN 10204

Certificates may vary depending on series and material execution of particular product

DT - ACTIVE PULSATION DAMPENERS

- the most efficient way to remove pressure variations
- fully air operated
- self-regulating
- optimized pump performance and reduced maintenance costs
- protection of all kinds of instruments in pipe system

Material: PE, PTFE, aluminium, AISI 316 stainless steel
Max. pressure: 16 bar

DPT - PASSIVE PULSATION DAMPENER

- the most efficient way to remove pressure variations
- fully air operated
- certified design- European PED directive 2014/68/EU
- ensures the protection of various instruments within a pipe system

Material: AISI 304 stainless steel
Hose material: NR, NBR, EPDM, CSM, NR FDA, NBR FDA, EPDM FDA
Max. air pressure: 15 bar

Hose Pumps

Certificates may vary depending on the material execution of a particular product.

Features & Benefits

- self-priming with superior suction capacity up to -0.9 bar
- adjustable flow and precise dosing accuracy of approximately ±5%
- suitable for efficiently pumping highly abrasive, corrosive and viscous liquids containing particles
- safe to run dry

NEW

PT HIGH PRESSURE

- biggest variety of options on the market
- up to 15 bar operating pressure
- easy hose removal and pump maintenance.
- suitable for high viscous and solid containing liquids

Applications: paint, waste water treatment, food, paper mills, chemicals, biogas, recycling, mining, building
Hose material: NR, NBR, EPDM, CSM, NR FDA, NBR FDA, EPDM FDA
Max. capacity: 60 m^3/h
Max. discharge pressure: 15 bar

NEW

PTL LOW PRESSURE

- compact and accurate
- advanced roller setting technology
- sealed pump casing

Applications: food, beverage, cosmetics, chemicals, pharmaceutical, water treatment
Hose material: NR, NBR, EPDM, CSM, NR FDA, NBR FDA, EPDM FDA, silicone
Max. capacity: 5 m^3/h
Max. discharge pressure: 4 bar

NEW

CLEANPRO - CIP CAPABLE

- does not damage the pumped fluid
- FDA and EC1935 certified hoses, sanitary clamp and thread connections
- only the hose as a wear part and no rotary seals, maintenance costs remain low
- CIP capable

Applications: food, beverage, pharmaceutical, cosmetics
Hose material: NR FDA, NBR FDA, EPDM FDA
Max. capacity: 12 m^3/h
Max. discharge pressure: 10 bar

Centrifugal Pumps

EN 10204

Certificates may vary depending on the material execution of a particular product.

Features & Benefits

- easy maintenance, low downtime
- wide range of options and applications
- few parts, easy to handle

CTX HIGH PERFORMACE (CTX H & CTX I)

- high efficiency
- robust design
- adjustable impeller
- single or double mechanical seal with various seal plans

Applications: food, beverage, mechanical, demineralization, paint, paper mills, water treatment, heat exchangers, research, pharmaceutical, surface treatment
Material: AISI 316L stainless steel
Max. flow: 140 m^3/h
Max. head: 84 m

CTXS SELF-PRIMING (CTXS H & CTXS I)

- self-priming - up to 5 m
- hygienic and industrial design
- high efficiency
- easy to adapt in existing CTX pump

Applications: food, beverage, water treatment, heat exchangers, surface treatment
Material: AISI 316L stainless steel
Max. flow: 75 m^3/h
Max. head: 60 m

CT STANDARD (CTH & CTI)

- easily cleanable
- competitive price-quality ratio
- handling liquids with particles

Applications: food, beverage, mechanical, water treatment
Material: AISI 316 stainless steel
Max. flow: 74 m^3/h
Max. head: 56 m

CTS SELF-PRIMING (CTS H & CTS I)

- easy installation and maintenance
- self-priming
- ideal for highly aerated liquids
- no need to re-fill after each use

Applications: food, beverage, water treatment, heat exchangers, surface treatment
Material: AISI 316L stainless steel
Max. flow: 60 m^3/h
Max. head: 40 m

CTV VERTICAL

- leakage free & safe dry running
- replacing self-priming pumps
- handling liquids with particles possible (up to Ø 6 mm)

Applications: surface treatment, galvanic, waste water treatment, chemicals
Material: PP, PVDF, AISI 316L stainless steel
Max. flow: 33 m^3/h
Max. head: 31 m

CTP PLASTIC

- safety drain on air side of the pump
- no metal parts in contact with the liquid
- handling liquids with particles possible, even with metallic solids

Applications: hot medias, circulation of pickling baths and degreasing processes
Material: PP, PVDF
Max. flow: 28 m^3/h
Max. head: 19 m

Filter Units

REACH Compliant ROHS Compliant

Certificates may vary depending on the material execution of a particular product.

CTM MAGDRIVE

- no leakage magnetic power transmission
- seal less pump
- hermetic system
- economical operation

Applications: OEM installation, surface treatment, galvanic, demineralization
Material: PP, PVDF
Max. flow: 27 m^3/h
Max. head: 20 m

FT FILTERS

- wide range of filtering volume for tanks capacity from 200 litres (for FT80) to 6000 litres (for FT355)
- changeable inserts
- robust construction

Applications: surface treatment, precious metal plating, chemicals, paints, varnishes, water treatment
Material: PP

Submersible Pumps

Certificates may vary depending on the material execution of a particular product.

SUBMERSIBLE (DRAINAGE, SEWAGE, DEWATERING, SLUDGE & SLURRY)

- pump body and motor made in robust materials
- automatic level control
- effective motor cooling
- protection against reverse phase
- overheating protection

Applications: construction, civil engineering, mining, sewage, waste water treatment, general pumping purposes
Material: cast/ductile iron, ABS, coated steel
Max. flow: 147 m^3/h
Max. head: 40 m

Lobe Pumps*

EN 10204

Certificates may vary depending on the material execution of a particular product.

NEW

LPX LOBE

- bi-directional flow, horizontal or vertical mounting.
- easy to disassemble and reassemble
- energy efficient and easily cleaned, maintained and repaired
- easily upgradable from single do double mechanical seal

Applications: bakery, beverage, dairy, chocolate, meat packing, canning, confectionery, cosmetics, pharmaceutical, chemicals
Material: AISI 316L stainless steel
Max. flow: 82 m^3/h
Max. head: 100 m

* offered only in: Australia, Austria, Canada, Denmark, France, Germany, Ireland, Italy, Japan, Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom

Accessories

AT

HYGIENIC VALVES

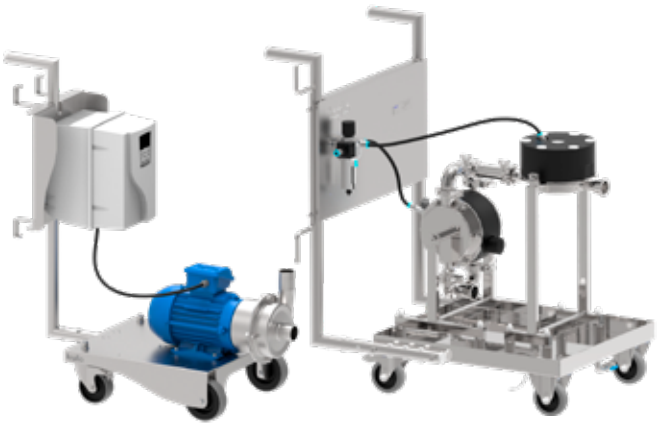
- high-quality
- serialized for full traceability
- TÜV NORD ISO 9001:2015 approved manufacturing process

Applications: food, dairy, wine, beer, cosmetics, pharmaceutical, allied sanitary industries

Material: AISI 316L stainless steel, AISI 304L stainless steel, Hastelloy

CONTROL & MONITORING SYSTEMS

- Guardian system™ - a fully pneumatic monitoring system, protects pump from dry running, deadheading or diaphragm breach/failure.
- Pneumatic batch control - fully programmable, allow to set the batch amount or batching time.
- Pneumatic level control - a fully pneumatic automatic level system used to maintain set liquid levels within a sump/tank.
- Stroke counter - a stroke to volt free contact is available for integration with PLC systems.
- Life counter - allow to control servicing and implement a preventative maintenance routine.



FILTER REGULATOR & NEEDLE VALVE KIT

- the ability to run the pump with the right air quality and optimum pressure and speed to save energy
- the service life of pump components is increased

MOBILE UNITS (HYGIENIC & INDUSTRIAL)

- the best solution for spreading technological processes
- allows easy movement to various locations
- complete "made to measure" mobile units, ready to execute the user's technological process
- with the majority of Tapflo pumps range

Industrial Mixers

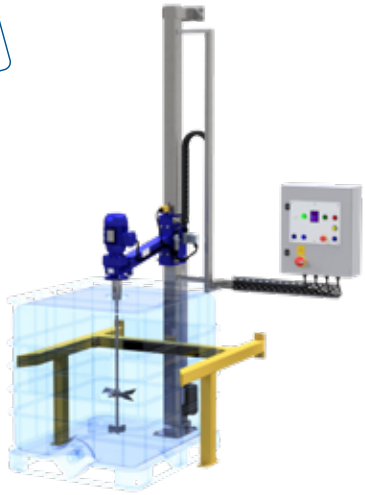
NEW

IBC MIXERS

- efficiently mixes designated medium in IBC containers
- ensures a high level of safety, mixer will never run when raised
- complete solution, ready for operation
- constant tracing and recording of operation parameters
- small in size, lightweight, and well-thought-out construction

Applications: paint, glue, chemicals, water treatment, general industry

NEW



IBC MIXING STATION

- ensures a high level of safety, mixer will never run when raised or when IBC is not positioned
- operated from the control panel, including actuator for raising the mixer
- allows setting mixing time and do other work in the meantime
- can be used for mixing various products

Applications: paint, glue, chemicals, water treatment, general industry

NEW

DRUM MIXERS

- suitable for most of the commonly used drums (ex. 200 litres)
- dedicated drum lid, clamp or wall support available
- light and easy to move

Applications: paint, glue, chemicals, water treatment, general industry

PNEUMIXER

- no paddles, no air entrainment, no shear
- closed vessel mixing system
- suits all containers up to 1000 litres IBC
- one device covers pumping & mixing solution of the process

Applications: paint, ink, surface treatment, waste water treatment

Tapflo Solutions™

HVS HIGH VISCOSITY SYSTEM

- allows quick unloading of the drums (100 l/min of the tomato concentrate)
- supplied with a scrapping or inflated lid for drums, providing high efficiency in unloading and minimizing the volume of the left-over liquid
- removes up to 99% of the product from drum
- results in high process safety and time-saving benefits

Applications: food, beverage, cosmetics, pharmaceutical, general industry

SLES MIXING & DILUTION UNIT

- precise diluting of SLES or other surfactant to the required concentration and flow rate
- immediate operation gives homogenous and stable in time liquid
- brings energy, time and space savings (compared to other dilution methods)
- continuous or batch supply of SLES solution at a given concentration
- constant tracing and recording of operation parameters
- small in size, lightweight and well-thought-out construction

Applications: liquid detergents, soaps, shampoos, dishwashing liquids

IN-LINE BLENDING SYSTEM

- allows for precise mixing of various ingredients by the recipe.
- the blending and dilution are made immediately within the system, and it gives a final product at the system outlet
- provides diluted liquids at the required flow rate
- results in high process safety and time-saving benefits

Applications: liquid detergents, cosmetics, chemicals

FILLING MACHINE

- provides high precision and repeatability of the process
- suitable for filling various containers with various liquids
- generates reports and comes with weigh scale legalization

Applications: food, liquid detergents, chemicals

ELECTRONIC BATCH CONTROLLER

- allows for automated dosing of a required volume of the liquid
- shows the batch progress of flow rate in desired units (e.g. litres per minute)
- comes with a totalizer useful for pump maintenance

Applications: every branch of the industry

TANK UNITS

- all-in-one pumping solution with integrated Tapflo diaphragm pump
- built-on air treatment system
- few components, easy installation and long-life design

Applications: food, beverage, chemicals process industry, water treatment, household chemicals, cosmetics

AODD INSULATING COVERS

- pumps can be sound or thermally insulated.
- for the harshest outdoor conditions, pump heating in the cover is also available

WATERING SYSTEM

- allows both mixing and pumping
- suitable for dilution of the powders or fertilizers
- easy in operation, comes with a hatch opening and suitable handles
- supplied with a control panel allowing intuitive control of the system

Applications: agriculture, water treatment, chemicals

All about your flow®

Service & Maintenance

Professional service is a natural part of our commitment to the customer. We offer an on-site service as well as at our service centres.

Customised solutions & systems

We deliver complete systems with peripherals such as trolleys, tanks, hoses, valves and fittings. Having our own production lines allows us to offer solutions that are even more sustainable and efficient.

Stock

In our warehouses we stock a wide range of different pump models and spare parts for immediate delivery.

Training

We offer customized training in pump technology, service and preventive maintenance.

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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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Art. No. 10-2226