

Metal series pumps

The compact, smooth and simple design is common for this series. Materials available are aluminium, cast iron, stainless steel and PTFE coated aluminium.



Aluminium and cast iron pumps

For transfer of pH-neutral fluids, both thin, thick, high solid content or abrasive. The aluminium and cast iron pumps are found in most fields; workshop and paint industries, purifying plants etc., to mention only a few.

AISI 316 stainless steel pumps

Made in lost wax cast method, ensuring great accuracy and finish. The stainless steel pumps combine great mechanical strength with good chemical features. AISI 316 is resistant to aggressive liquids like nitric acid and sodium hydroxide. The centre block, which is not in contact with liquid, is made from corrosive resistant polypropylene (PP) as standard (other materials upon request).



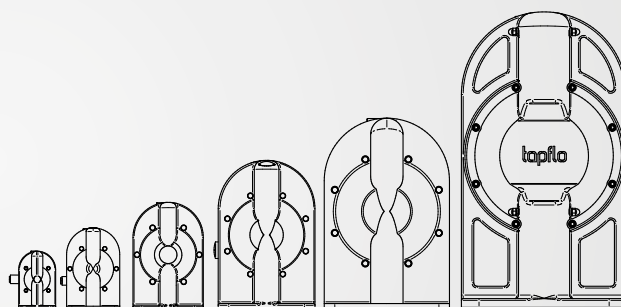
EN 10204



The metal pump range

- » T25* - 26 l/min, 1/2"
- » T70 - 78 l/min, 3/4"
- » T120 - 158 l/min, 1"
- » T220 - 330 l/min, 1 1/2"
- » T420 - 570 l/min, 2"
- » T820 - 820 l/min, 3"

* = aluminium and cast iron only



Typical applications

Industry	Example of applications
» Workshop	Oil, fat, solvents, water, cooling fluid, lubricants
» Print & paint	Glue, additives, varnish, ink, paint, latex, acid, resins, pigments
» Mining & construction	Adhesives, sump, dewatering, coal sludge, pastes
» Ceramic industry	Abrasives, glaze, water, enamels, clay
» Chemistry	Acids, alkalis, alcohol, solvents, latex, emulsions

The ingenious Tapflo design

You will discover the ingenious simplicity when you maintain the pump.
We use approximately **70% fewer parts compared with other brands.**

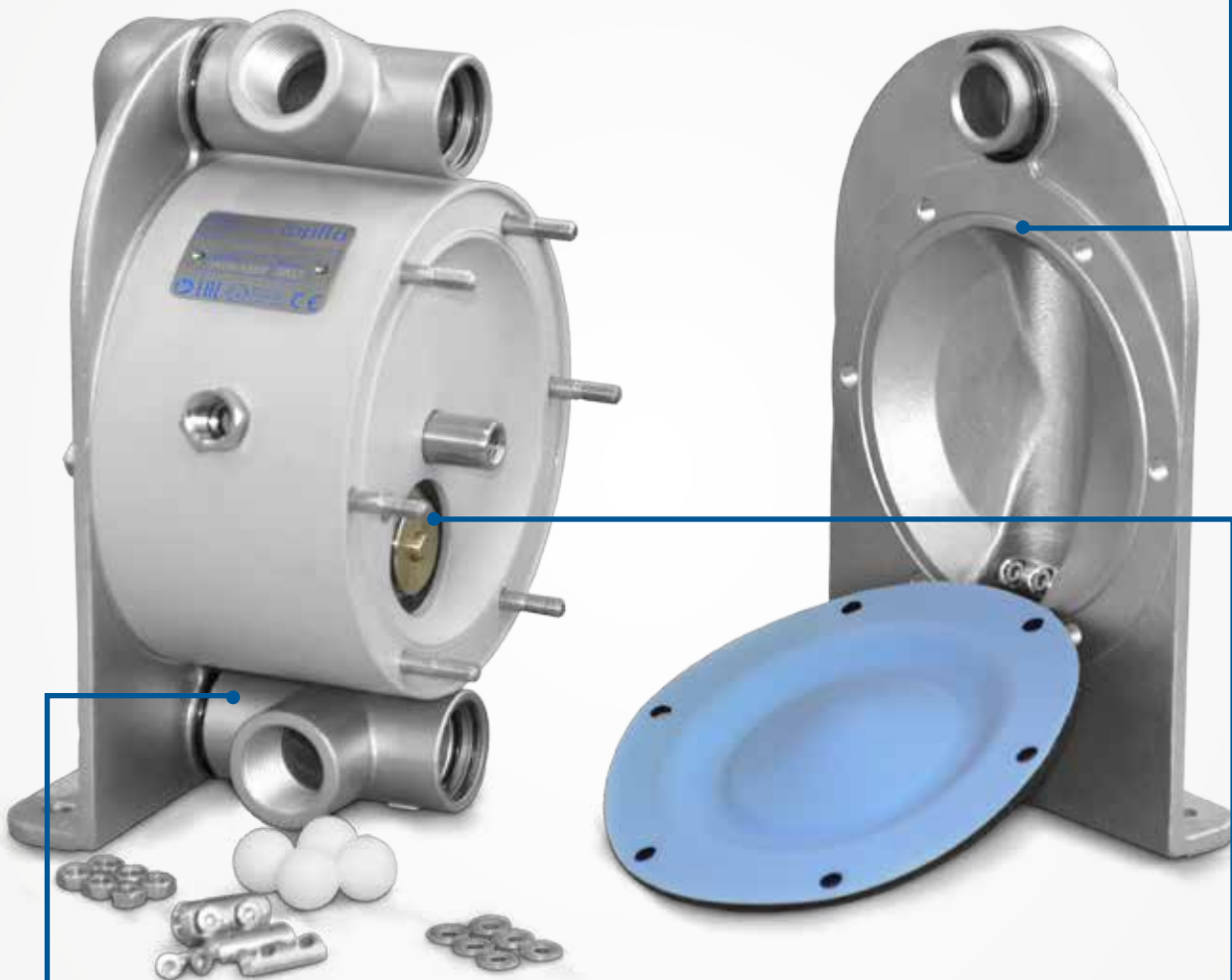


Optional Camlock connections

Metal series diaphragm pumps can be ordered with CAMLOCK connections. The coupling is connected by simply opening the coupler arms and inserting the adaptor into the coupler.

Durable valve seats

The valve seat is under constant stress from the movement of the valve ball. To obtain the best wear resistance, the integrated seat is made from AISI 316 stainless steel.



Flexible installations

The connections may be rotated 180°. Simply turn the connections to fit your piping system. Threaded BSP or NPT connections is standard. Twin connections are also available.

Low air consumption

The air distribution system is designed with shortest possible air distribution ways. This eliminates "dead spaces", resulting in high efficiency and low air consumption.



Aluminium and cast iron - suitable for thick and thin pH neutral liquids



Stainless steel - suitable for chemicals

Special versions



Drum pumps | TD series

The Tapflo drum pump is ideal for mobile use and is available in aluminium or stainless steel AISI 316 SS. It is fit with an ergonomic designed handle in stainless steel AISI 316. The drum tube is delivered in any length up to 2 m. The Tapflo diaphragm drum pump has many advantages compared with conventional drum pumps as stated below.

Handle your liquids comfortable. You will easily move your Tapflo drum pump between drums and containers.

The Metal drum pumps range

- » TXD25 - 25 l/min, 1/2" suction and discharge
- » TXD70A - 70 l/min, M30 x 1,5 suction; 3/4" discharge
- » TXD70 S - 70 l/min, 3/4" suction and discharge
- » TXD120A - 120 l/min, M30 x 1,5 suction; 1" discharge
- » TXD120S - 120 l/min, 1" suction and discharge

■ Features & Benefits

- ✓ No rotating parts
Gentle liquid handling – ideal for shear sensitive liquids or abrasive products.
- ✓ High pressure
Able to handle even high viscous products
- ✓ Infinitely variable flow
Easy to adjust the flow for a safe fluid handling



Ball lifters TL

This option is a great way to empty the pump of liquid if there is no possibility of pump disconnection from the installation.

With this easy solution you can simply raise the ball from the valve seat and allow the liquid to flow out of the pump.

» Available for sizes: T70 | T120 | T220 | T420

Special versions



Explosion proof pumps | TX series

The ATEX directive 2014/34/EC (also known as ATEX 114) is applicable on products used in explosion hazardous zones. All aluminum and cast iron pumps are by standard ATEX approved, having model names TX... The standard stainless steel pumps are not allowed to operate in environments. special conductive TX pumps are available for such applications. All plastic parts utilized in such pumps are made from conductive (carbon filled) materials thus made for use in explosion hazardous environments. What is more ATEX pump are equipped with a grounding connection.

They can be used in Ex-zone 1. The conductive material ensures that no electrostatic loads will be accumulated in the pump.

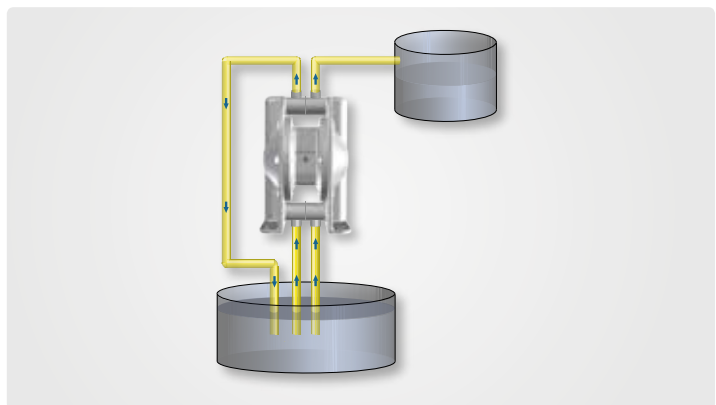
Pumps certified according to 2014/34/EC (ATEX)

Group:	II
Category:	2G/2D
Apparatus group:	IIB
Temperature class:	T4



Twin pumps | TT series

Tapflo metal series pumps may be equipped with double in/outlet to achieve "two pumps in one" for blending, mixing or circulation of liquids. The liquid in one pump chamber is separated from the other one.



Example of applications

- » Transfer of two different liquids, two pumps in one
- » Mixing of two liquids with one pump (50/50 ratio)
- » Transfer and return of printing ink from storage to ink tray
- » Transfer and agitation of liquids with one pump (installation example above)