

Sanitary series pumps

Hygienic design - made from electropolished stainless steel AISI 316L to meet the requirements in hygienic installations.



The Tapflo sanitary series is particularly designed to meet the requirements of the food, beverage, pharmaceutical and cosmetic industries.

Lubrication free air distribution system, maintenance free ball check valve system and total visual inspection of the wetted parts are some of the major features for this pump series.

The materials used on certain models comply with the FDA guidelines.

Models with extra fine surface finish $Ra < 0.8$ and $Ra < 0.5$ are available upon request.

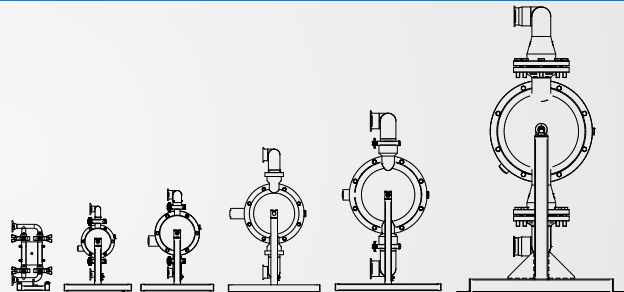


EN 10204



The sanitary pump range

- » T30 - 28 l/min, 1"
- » T80 - 78 l/min, 1"
- » T125 - 155 l/min, 1 1/2"
- » T225 - 330 l/min, 2"
- » T425 - 570 l/min, 2 1/2"
- » T825 - 820 l/min, 3"



Typical applications

| Sector | Example of applications |
|------------------|--------------------------------------------------|
| » Dairy products | Milk, cream, yogurt, cream cheese, melted cheese |
| » Grocery | Ketchup, mayonnaise, tomato products, mustard |
| » Beverages | Flavors, coloring, fruit juice |
| » Bakery | Dough, ingredients |
| » Brewery | Beer, flavors, coloring, wort |
| » Hygiene | Soap, shampoo |
| » Cosmetics | Cream, alcohol, perfume |

The sanitary design

Made to be clean

Quick dismantling

The clamp system ensures rapid dismantling without any tools.

Pollution free air valve

The sealing system is lubrication free, always keeping your product and environment free from oil contamination.

Plain surface

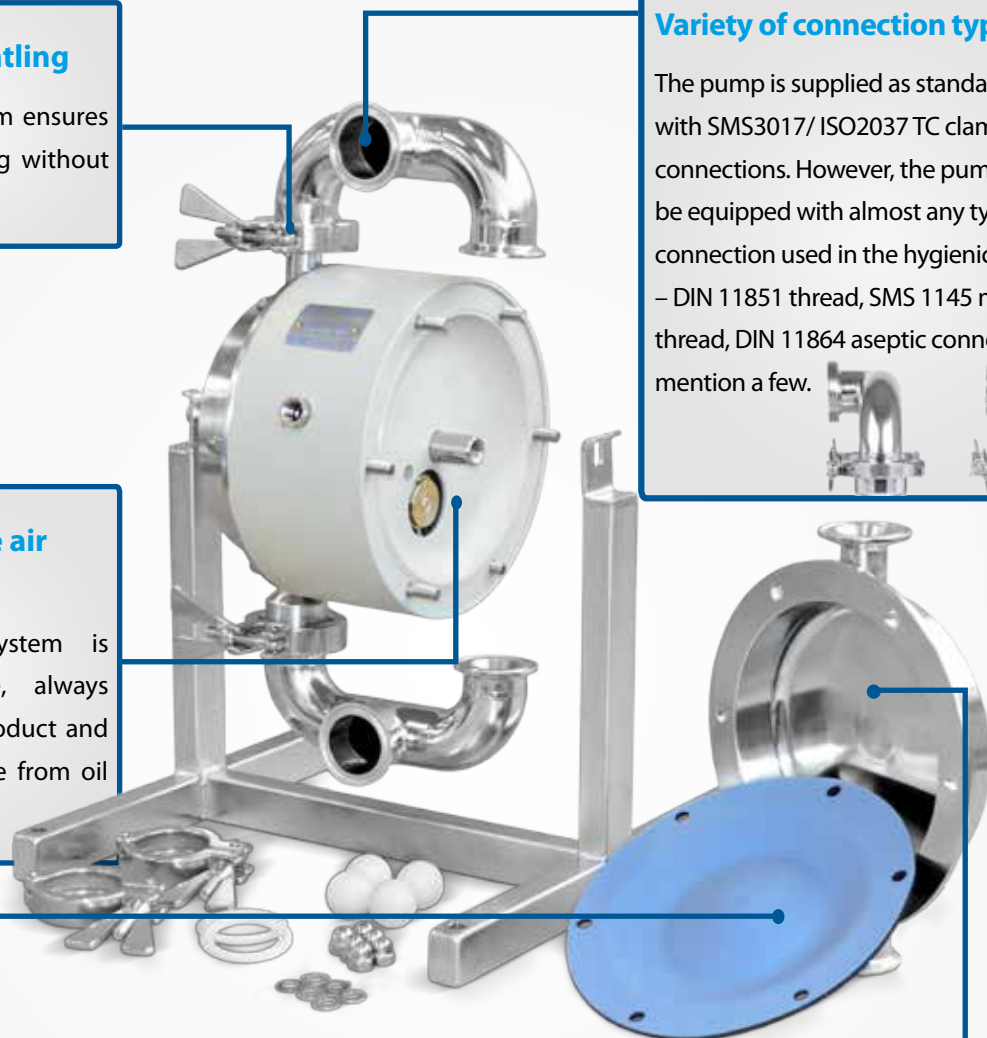
The sandwich diaphragm has a completely plain surface, which eliminates bacteria growth problems. The diaphragm is available in food grade materials - PTFE or white EPDM.

Superior finish

Both liquid side and outside is electropolished*, to obtain superior finish and hygiene. Special surface finish may be done according to your requirements.

Variety of connection types

The pump is supplied as standard with SMS3017/ ISO2037 TC clamp connections. However, the pump may be equipped with almost any type of connection used in the hygienic field – DIN 11851 thread, SMS 1145 milk thread, DIN 11864 aseptic connections to mention a few.



*T825 is glass blasted

■ Easy draining

Drain the pump by turning the pump in its support (T80-T825)

Our design allows for total visual inspection of the wetted parts. There are no hidden areas where bacteria can grow. The manifold clamps and the housing screws are simply removed for complete disassembly and cleaning. The pump is also designed for cleaning and sterilization in place – C.I.P. and S.I.P. After such operations, the pump is easily turned in its support for drainage.



Special versions



Heating jacket

The heating jacket is used when the pumped product has to maintain a specific temperature, high or low, throughout the process. A heating or cooling medium is continuously circulated in the heating jacket. The jacket is covering all the wetted parts of the pump.

» Available on all sanitary series pumps



Flap valves for big solids

Flap valves are available for the sanitary pumps, ideal in applications with bigger size and delicate solids.

The gentle pumping principle will maintain solids without any destruction.

Models available with flap valves:

- » T80 (18 mm solids max)
- » T125 (18 mm solids max)
- » T225 (44 mm solids max)
- » T425 (44 mm solids max)
- » T825 (100 mm solids max)

Magnetic ball lifters

Magnetic ball lifters are implemented in Sanitary AODD pumps, to enable pump emptying without removing it from the installation when no other draining option is available. Rotating the pump is no longer needed.



Counter-connections

In order to ease the pump connection with installation Tapflo has added a full range of counter-connections to sanitary pumps. They fit pumps with standard tri-clamp connection as well as optional DIN11851 and SMS connections.