

tapflo®

# OPTIMIZING THE PROCESS

edition 2016 rev 1



» All about your flow

[www.tapflo.com](http://www.tapflo.com)

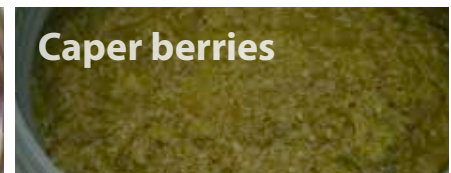
# Tapflo Solutions for process optimization

## Hygienic and simple

### Flap valves

Flap valves are used when pumping liquids containing big solids without damage. With the new design we are able to pump solids up to 50 mm in both T225 and T425 pump sizes and an impressive 100 mm in the T825 4" pump. Pumps can reach dry suction lift of 4,5 meters.

The new flap valves are more durable, have less spare parts and are more hygienic thus easier to clean. chemical transfer and circulation surface treatment industries.



### Magnetic ball lifters

Possibility to drain the content of the pump is crucial in most hygienic applications. [Ball lifting system from Tapflo could not have been easier.](#)

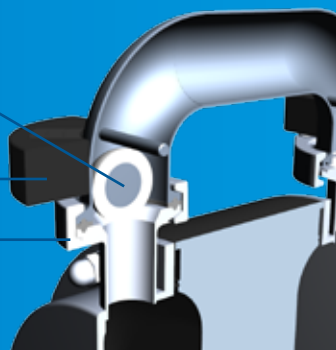
Magnetic ball lifters are implemented, in Sanitary and Aseptic EHEDG series AODD pumps, to enable pump emptying without removing it from the installation when no other draining option is available. Rotating the pump is no longer needed.



Valve ball

Magnet lifter

Manifold



### Working principle

Valve ball, either made of AISI 420 or PTFE with steel core, is lifted by magnet lifter attached onto the manifolds.



Magnet lifter

# Cost effective

## Long life diaphragms

With our experience of diaphragm manufacturing since 1990, we are able to supply unique technology compression molded diaphragms of utmost quality.

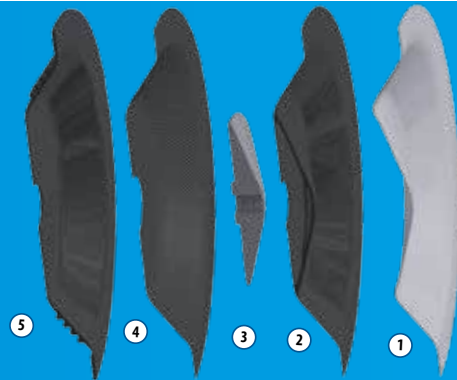
The diaphragms are available in various materials and colours to suit any requirements, they are made from PTFE TFM, PTFE TFM modified for solvents, EPDM, NBR or FKM.



### ■ Composite construction

Tapflo diaphragms are of composite construction, superior for continuous heavy duty service, with a completely smooth surface in contact with the liquid.

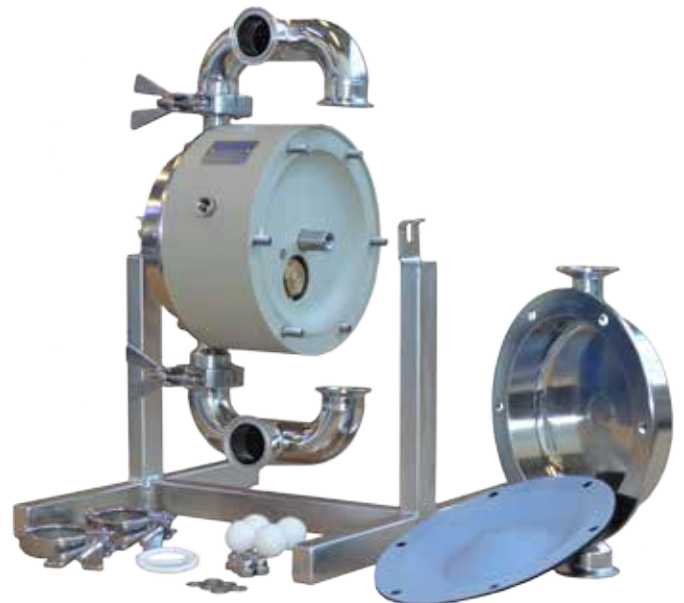
This results in no leak through and a diaphragm which is easy to keep clean.



## Energy saving drive

After decades of development and fine tuning of the air valve, seals, air distribution ways, diaphragms and shaft, our today's product is an air operated diaphragm pump with a very high degree of efficiency.

The air valve is placed in the middle of the pump between the diaphragms, to achieve short air ways and a minimum of so called dead volumes. This all together is the key to a reliable and energy saving drive.



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