

A dynamic splash of water in shades of blue, with numerous droplets and bubbles, set against a white background. A bright yellow diagonal band runs from the top left corner towards the center.

PRODUCT PORTFOLIO

tapflo™

» All about your flow

TAPFLO UK

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📍 Chandlers Ford, Hampshire, UK

TAPFLO GROUP



Leading pump manufacturer with the ambition to provide a wide range of premium products for various hygienic and industrial applications.

Independent, family owned Swedish manufacturer & global supplier since 1970.

Air Operated
Diaphragm Pumps,
Centrifugal Pumps,
Industrial Process
Equipment

TAPFLO UK

Tapflo UK Ltd was established in 1998 and has been working within the UK industrial, food and beverage, chemical, petrochemical, energy, water treatment, surface treatment, automation and nuclear sectors ever since.

We are a well-established organisation, taking pride in our attention to detail and high quality of products and services. By working closely with our customers and supply partners, we can provide comprehensive solutions to all fluid and powder processing applications.

Here at Tapflo UK, we have grown to become a leading supplier of industrial and hygienic process pumps and systems, spearheading energy conservation issues through the launch of our new LEAP Technology (Low Energy Air Pump).

QUALITY CERTIFIED

At Tapflo, we believe that quality is one of the highest values, both for our customers as well as our employees. Many of our products comply with EC ATEX directives for equipment intended for use in explosive and hazardous environments. The Aseptic Series is EHEDG certified and the Pharmaceutical Series has USP VI and EC 1935/2004 approval.

All of our products are CE marked, followed by our comprehensive instruction manuals. Tapflo's manufacturing process is certified according to ISO 9001:2015.



TAPFLO UK VALUES

ABOUT US

Here at Tapflo UK, we greatly value our customers and staff and strive to give our best service to everyone, offering fast delivery times, detailed quotes and unbeatable prices. If you would like to place an order, have a query or just need some pump advice, The Tapflo Team are more than happy to help. We also love to visit sites to meet our customers in person and see our pumps in action!

LONG-TERM ENGAGEMENT

Our aim is to continuously provide premium products according to the ever evolving needs of our customers. That is why we see each customer relationship as a long term commitment.

FLEXIBILITY

We believe that flexibility is the foundation of good service, which is why we are more than prepared to deal with reality, knowing that in practice this means answering questions, offering solutions and supplying spare parts with a minimal loss of time.

LOCAL MEANS ON YOUR TERMS

Tapflo is your global partner providing local support. No matter where you're located, you can rely on us to support you locally.

PRODUCT CUSTOMISATION

Our intention is to help you find the most cost effective solutions to increase the efficiency of your company. If this means changing the design of the pump, we see it as a challenge, not a problem.

TO PRODUCE IS TO DEVELOP

When you are actively involved in manufacturing, it is almost impossible not to discover ways to improve it. This allows us to frequently offer solutions that are even more sustainable and efficient.

INDUSTRIES



CHEMICAL

Transfer of all kinds of acids, alkalis, alcohol, solvents and shear sensitive products such as latex and emulsion, as well as chemical waste.



SURFACE CONDITIONING

Transfer of chemicals from storage tanks, containers and baths, for example in pickling, galvanisation, degreasing and handling of waste products.



PULP AND PAPER

Transfer of glue, sodium silicate, colour, titanium oxide, bleaching products.



HYGIENIC

Transfer of all consumable products including 100mm max for solids. Transfer of all cosmetic products such as toothpaste, cream and perfumes.



MECHANICAL

Handling of oil, fats, lubricants, cooling liquids, solvents and waste products.



ANAEROBIC DIGESTION

Transfer of substrates, digestate, liquid livestock, post digestate, chemical additives, water & waste waters.



WATER TREATMENT

Pumping samples, dosing acids and alkalis for pH-control. Transfer of flocculent, suspensions, chemical reagent and sludges. Pumps resistant to hydrochloric acid and ferric chlorite, plus many others.

TAPFLO AIR OPERATED DIAPHRAGM PUMPS

- Some of the most versatile pumps on the market
- Suitable for a variety of installations and applications
- Simple operating principle, compact & reliable design
- Our PE & PTFE pumps are machined from Solid Block rather than Injection Moulded
- Variety of materials (PE, PTFE, Aluminium, Cast Iron & Stainless Steel AISI 316L)
- 70% less parts than many other pumps on the market, meaning less down time & lower costs for spares, with simple maintenance procedures guaranteed



HDPE & PTFE

- Solid Block
- 1/4" - 3"
- 11 - 820 LPM
- 8 Bar Pressure
- ATEX if required



Aluminium

- Cast Aluminium
- 1/2" - 3"
- 26 - 820 LPM
- 8 Bar Pressure
- ATEX as standard



Sanitary

- 316L Stainless
- 1.2 Ra as standard
- 1" - 3"
- 28 - 820 LPM
- 8 Bar Pressure
- ATEX if required



Stainless

- Cast 316 Stainless
- 3/4" - 3"
- 78 - 820 LPM
- 8 Bar Pressure
- ATEX if required



Aseptic EHEDG

- 316L Stainless
- 0.8 Ra as standard
- DN40 - DN65
- 94 - 330 LPM
- 8 Bar Pressure
- ATEX as standard



Cast Iron

- Cast Iron
- 1/2" - 3"
- 26 - 820 LPM
- 8 Bar Pressure
- ATEX as standard

TAPFLO LOW ENERGY AIR PUMP

Powered by



Here at Tapflo UK, we are at the forefront of the energy saving revolution with the development of the LEAP (Low Energy Air Pump) Technology. Airflow through the pump is controlled by a fundamentally different principle to vastly reduce the air consumption of our diaphragm pumps from the industry standard of 1.2 Bar to 0.2 Bar starting pressures!

Why LEAP?

- Ultra low starting pressure - just 0.2 Bar!
- Lower operational cost and reduced air consumption
- Reduce your carbon footprint
- Full control & feedback to PLC - signal allows external monitoring of the pump in process
- Low noise and pulsation
- Retrofit to all Tapflo diaphragm pumps



Why choose Tapflo for your Air Operated Double Diaphragm Pump?

- Run dry and dead head without damage - no need for dry run protection devices
- Infinitely variable flow control - achievable by adjusting the air flow to the pump
- Air Operated - intrinsically safe & simple to install, no special training required
- Self-priming up to 9m, when wetted
- Solids handling & resistant to abrasion
- Can handle both thin and viscous fluids
- Available in a wide variety of materials to suit almost any fluid
- Sealless - no mechanical seal, which is the weakest point on any type of pump
- Decent volumetric efficiency - enables use in batching & metering applications
- 70% less parts than the industry standard, meaning less downtime & lower maintenance costs
- Numerous design variations & accessories such as Barrier, Twin, Powder, Filter Press, Drum, Ball Lifting, Flap Valve & Integrated Flange

TAPFLO CENTRIFUGAL PUMPS

- Available in Stainless Steel AISI 316L, PP & PVDF, both horizontal & vertical
- Robust designs in Glass Blasted/Electropolished S316L or injection moulded PP & PVDF
- Simple construction from at least 19 components
- Low cost & delivery times compared to equivalents on the market
- Low maintenance
- Can be modified for a variety of applications without having to replace the pump



CTI Industrial

- Stainless Steel
- 1 - 60m³/hr
- 2 or 4 pole
- 1 - 47m head
- ATEX if required
- Max 180°C



CTH Hygienic

- Stainless Steel
- 1 - 60m³/hr
- 2 or 4 pole
- 1 - 47m head
- ATEX if required
- Max 180°C



CTM Mag Drive

- PP-GF or PVDF
- 1 - 29m³/hr
- 1 - 21m head
- Max 90°C
- Max 10 Bar



Stainless Immersion

- Stainless Steel
- 1 - 34m³/hr
- 1 - 30m head
- Sealless



Plastic Immersion

- PP & PVDF
- 1 - 34m³/hr
- 1 - 30m head
- Sealless



CTS Self-Priming

- Stainless Steel
- Industrial & Hygienic
- 1 - 50m³/hr
- 4.5m suction lift
- 1 - 47m head
- ATEX if required
- Max 90°C

ALBIN PERISTALTIC PUMPS

- Available in 21 different sizes that provide flow rates of 0 to 200m³/hr
- Durable construction of ductile iron & steel
- Self-priming up to 9.8 meters at sea level
- High volumetric accuracy (up to 99.5%) for sampling & metering applications
- Dry-run capability allows tank and line stripping
- Sealless design eliminates leaks, contamination & wear problems
- Reversible operation allows pumping in both directions
- Low maintenance requirements of the hose and shoes
- Low operating noise level <70 dB at 1 meter
- 30% less casing bolts, so quicker to remove and replace during maintenance

ALH High Pressure



- Up to 150m³/hr
- 60,000 cPs
- 15 Bar
- Max 135°C
- ATEX if required

ALP Low Pressure



Designed for low flow batching & metering applications where accurate flows up to 10m³/hr and pressures up to 4 Bar are required.

ALH CIP



- 0.5 up to 10m³/hr
- 15 Bar max
- FDA approved hoses
- Clean In Place
- ATEX if required

ALHX Roller Design



- Up to 150m³/hr
- 60,000 cPs
- 15 Bar
- Max 135°C
- Roller Design -Non Lubricated
- Slower Speed
- ATEX if required

SELF-PRIMING FLEXIBLE IMPELLER PUMPS

- Can handle thin and viscous fluids (up to 50,000 cPs), as well as solids in suspension (up to 25mm)
- Capable of discharge pressures up to 4 Bar
- Flow rates up to 1200 l/min
- Maximum temperatures up to 120°C



Miniverter

- Stainless Steel 316 construction
- On/off reverse switch
- Potentiometer for variable speed
- Single and three phase
- Max head 2.8 Bar
- Max flow 5000 l/hour



Close Coupled EP

- 304 or 316 Stainless Steel construction
- On/off reverse switch
- 12v, 24v, single phase and three phase
- Max head 2.8 Bar
- Max flow 36 m³/hour



Gearbox Drive

- 304 or 316 Stainless Steel construction
- Three phase
- Max pressure 3.6 Bar
- Max flow rate 63m³/hour

SELF-PRIMING CENTRIFUGAL PUMPS

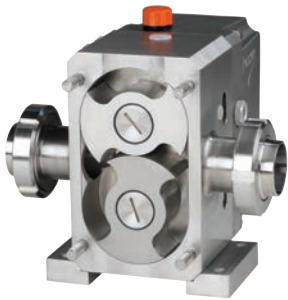
BY BBA

- Flows to 1200 m³/hr
- Head to 70 mwc
- 20 different pump sizes to best match duty requirements
- Rapid suction lift to 7 mwc
- Mechanical seal grease lubricated to aid long suction runs.
- Capable of handling fluid with occasional solids
- Available in a range of metals (bronze/stainless steel/cast iron)
- Proven, robust, quality design
- ATEX (EX II 2G IIB T4) compliant units available on request
- Check valve on suction to eliminate back flow
- Drive options including engine driven if required.



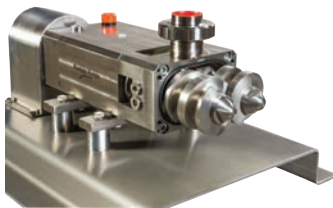
HYGIENIC PROCESS PUMPS

Tapflo UK's Hygienic Process Pump range includes Lobe, Twin Screw and Hygienic Centrifugal. Target groups include the food, beverage, pharmaceutical, and chemical industries. All units are fully FDA and EHEDG certified.



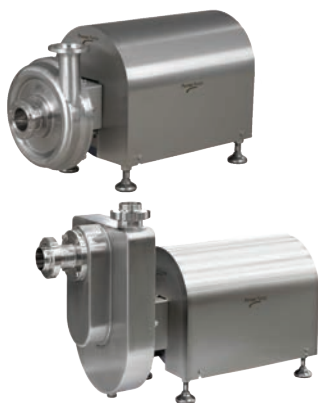
PLP Sanitary Lobe Pump

- Up to 110m³/hr
- 15 Bar max pressure
- 1,000,000 cPs
- Max 140°C
- 60mm max solids
- 3/4" - 4"
- Full Stainless Steel Construction



PDSP Sanitary Self-Priming Double Screw Pump

- Up to 95m³/hr
- Max 140°C
- 1,000,000 cPs max
- 16 Bar max pressure
- 2" - 5"
- Max solids passage of 40mm
- Full Stainless Steel Construction



CPC & CPC-ZA Sanitary Centrifugal Pumps

Both designed for use within the food & pharmaceutical industries, with a heavy emphasis on robust design, optimal cleanability, efficiency, low maintenance costs and simple maintenance. The CPC-ZA is the Self-Priming variant of the CPC series and is ideal for pumping liquids with entrained air and gases and where suction lift is required.

- 500m³/hr (CPC) & 350m³/hr (CPC-ZA)
- 15 Bar max pressure as standard (40 Bar on request)
- 500cPs
- 150°C
- Max suction lift 6m
- Max solids 10mm

SALVATORE ROBUSCHI CENTRIFUGAL PUMPS

ISO 2858/5199 Process Centrifugal



- Up to 2400 m³/hr & Max Head: 140m
- +220°C (Std.)
- AISI 316/Cast Iron, Flanged acc. to all standards
- Bareshaft, Long Coupled, Close Coupled, Lantern Bracket

Close Coupled (Acc. ISO 5199 Dimensions)



- Up to 300 m³/hr & Max Head: 60m
- +120°C
- AISI 316, Threaded & Flanged (Industrial & Hygienic)
- Horizontal Close Coupled

ISO 2858/5199 Vertical Immersion & Cantilever



- Up to 1400 m³/hr & Max Head: 145m
- +500°C (std.)
- AISI 316 & Cast Iron, Threaded & Flanged acc. to all standards
- Up to 6m in length, Lubrication by pumped fluid, external source or fluid filled in column

Water Pumps



- Up to 480 m³/hr & Max Head: 180m
- +130°C
- AISI 316, Cast Iron & Brass
- Threaded & Flanged to all standards
- Bareshaft, Long Coupled, Close Coupled, Lantern Bracket

M PUMPS INDUSTRIAL MAG DRIVES

M Pumps have developed & patented a Hybrid Containment Shell system which generates minimal eddy current losses enabling the direct replacement of double mechanical seal pumps and canned motor pumps using standard motors. The shell combines a standard inner metallic shell (Hastelloy C or Titanium) with a high strength Caron Fibre outer shell to provide an energy efficient & environmentally friendly solution.

Standard Sealless Mag Drive



- Up to 140 m³/hr & Max Head: 44m
- -120°C to +350°C
- GFR PP, CFR PVDF, PFA Lined, AISI 316
- Threaded & Flanged acc. to all standards
- Horizontal & Vertical Immersion

Sealless Mag Drive Hollow Disc



- Up to 45 m³/hr & Max Head: 100m
- -50°C to +200°C
- Ductile Iron Casing & AISI 316 Internals, Threaded & Flanged acc. to all standards
- Horizontal Close Coupled

ISO 2858/5199 ANSI B73.3 Sealless Mag Drive



- Up to 4000 m³/hr & Max Head: 135m
- -120°C to +350°C
- PFA Lined, AISI 316
- Threaded & Flanged acc. to all standards
- Horizontal Close & Long Coupled

Side Channel Sealless Mag Drive



- Up to 75 m³/hr & Max Head 620m
- -120°C to +300°C (std)
- AISI 316, Hastelloy C & Duplex SS
- Threaded & Flanged acc. to all standards
- Horizontal Close Coupled, API 685 Compliant

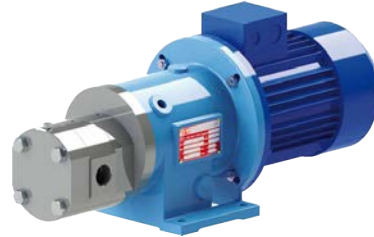
M PUMPS INDUSTRIAL MAG DRIVES

API 6685 & 610 Sealless & Mech. Sealed Mag Drive



- Up to 4000 m³/hr & Max Head: 350m
- -120°C to +350°C
- AISI 316
- Threaded & Flanged acc. to all standards
- Horizontal & Vertical Immersion
- OH1, OH2, OH3, OH5, VS4, BB2, BB5

Sealless Mag Drive Gear Pump



- Up to 80 m³/hr & Max Head: 300m
- -100°C to +200°C
- AISI 316 & Cast Iron GG25
- Threaded & Flanged acc. to all standards
- Horizontal Close Coupled

Sealless Mag Drive Regenerative Turbine



- Up to 25 m³/hr & Max Head: 1000m
- -120°C to +350°C
- AISI 316, GFR PP, CFR PVDF
- Threaded & Flanged acc. to all standards
- Horizontal Close Coupled

Sealless Mag Drive Sliding Vane



- Up to 3 m³/hr & Max Head: 120m
- -30°C to +200°C
- AISI 316, GFR PP, CFR PVDF
- Threaded & Flanged acc. to all standards
- Horizontal Close Coupled

BESPOKE PUMPING SYSTEMS

Tapflo's innovative 'Engineered to Order' Department was created for the purpose of combining different fluid accessories into one complex unit, skid or system to suit individual customer needs to ultimately supply a bespoke "drop-in" solution.

The benefits of using our Engineered To Order service:

- Reduction in extra installation and commissioning costs once received on site
- One stop solution - all elements of the system are supplied under one supplier and warranty
- Bespoke design based on extensive experience and site specific requirements
- Systems are fully calibrated and tested before delivery, meaning they are ready to use straight out of the box!

Our bespoke systems can range from a simple trolley mounted pump unit with on/off control to incredibly complex systems with actuated valves, self-cleaning filters, flow meters, air treatment systems, variable speed drives or automated batching and metering control.

We can deliver pumps from our own production range or third parties to meet any customer requirements and standards, whether they be industrial, fully EHEDG compliant or ATEX approved.

We classify the solutions provided into 4 distinct categories:

1. Bespoke Trolley Systems
2. Integrated Solutions
3. Customised Process Units
4. Booster Sets



SYSTEMS & ACCESSORIES

Tapflo UK offer a wide range of Pneumatic Control Systems and accessories. These include level controls, batch controls, guardian system (barrier, dry run and dead head protection), life counters, start/stop and many more including all bespoke systems and panels.

Tapflo UK Designed & Manufactured Diaphragm Pump Controls:



Our Bespoke Systems include:

- Pneumatic level control and monitoring
- Pneumatic batch control
- Guardian - dry run & stop, dead head & stop, dead head & restart, barrier pump monitoring & control
- Life counter
- Low pressure volt free contact
- Start/stop units
- Bespoke systems can also be designed and manufactured for all applications



Pulsation Dampeners

The Tapflo Pulsation Dampener works actively with compressed air and a diaphragm, automatically setting the correct pressure to minimise the pulsations. They are available in all materials to suit all applications.



Hose Assemblies

Tapflo UK can supply flexible hose assemblies and fittings which are custom made for a wide variety of applications and industries.

Fittings, Adaptors & Valves

To compliment our hose assemblies, we can also supply the affiliated fittings and adaptors to fit to your hose or pump system. We can supply these in Brass, Aluminium, Stainless Steel, Nylon & Glass Reinforced PP (Polyglass).

The Fitting & Adaptor types available, but not limited to, are as follows:

- CAM Locks, IBC & Drum Fittings
- BSP/NPT M Threaded Fittings
- Hygienic - (RJT, Tri-Clamp, SMS etc.)
- ANSI/DIN Flanges & Universal Flange Adaptors
- Expansion Bellows, Expansion Joints & Anti-Vibration Couplings
- Quick Release & Dry Break Couplings
- All types of valves to suit any application
- Flow meters of all types and sizes



FULL SCOPE OF SUPPLY

Tapflo UK offer more than just diaphragm pumps; we are all about your flow! As a result, we have an extensive range of the below pumps and services to suit a variety of applications.

Pumps we manufacture and supply:

- Diaphragm Pumps
- Magnetic Drive pumps
- Powder pumps
- Industrial Centrifugal pumps, surface mounted & immersible with closed, semi-open, channel & recessed vortex impellers
- Fully submersible pumps
- Hygienic & Industrial Lobe pumps
- Hygienic Twin Screw pumps
- Hygienic Centrifugal pumps
- Hose/Peristaltic pumps
- Dosing pumps and systems
- Flexible Impeller pumps
- Piston pumps
- Clean & Dirty Water pumps
- Marine pumps
- Progressing Cavity pumps & Progressive Cavity Booster sets
- Side Channel and Liquid Ring pumps
- Gear & Vane pumps
- Custom built booster sets

Services

- Bespoke pneumatic & electric control gear & accessories
- Energy saving accessories to compliment pumps
- H&S accessories to protect the pump, product and most importantly the end user
- Service and PPM (pre-planned maintenance) contracts
- Fully qualified pump engineers
- In house design and manufacturing team for bespoke applications
- Full range of case studies, reference sites, photos & videos available on request



» All about your flow

Tapflo UK bring a wealth of knowledge and passion to the pump industry, from humble beginnings twenty years ago to a market leader for the supply of industrial process pumps today.

We pride ourselves on service and response times, going above and beyond to service the needs of our ever growing customer base.

So if you're fed up of getting a lacklustre service from your current suppliers...

Make the change, choose Tapflo UK.

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