

HYGIENIC VALVES

2021 | 1



» 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.

Hygienic Valves

Hygienic valves from Tapflo are high-quality components made of forged 304L and 316L stainless steel.

All valves in our portfolio are serialized for full traceability, even 304L valves, and are manufactured within TÜV NORD ISO 9001: 2015 approved manufacturing process.

Valves are 3A and FDA certified for food and dairy use. They meet also pharmaceutical industry demands regarding USP Class VI elastomers.

With a broad range of hygienic processing valves and flow devices, we successfully serve the food, dairy, wine, beer, cosmetic, pharmaceutical, and allied sanitary industries.

From basic 304L to high purity 316L ASME BPE specifications, Tapflo has the experience and dedication to meet your sanitary valve requirements. In addition to the standard product, our designers offer engineering expertise and resources to provide custom product solutions.



BUTTERFLY VALVE (100 SERIES)

The valve is a simple butterfly valve, which can be delivered with a manual handle or pneumatic actuator. The butterfly valve is the simplest valve consisting of two flanges.

Sealing material: EPDM, HNBR, FPM, VMQ, PTFE

Size: DN25 - DN100, 1" - 4"

Max. line pressure: 10 bar (145 psi)

Supply pressure for air actuator: 6 bar (87 psi)

Sterilisation temperature: 135°C (284°F)





SINGLE-SEAT VALVE (801 SERIES)

A standard single-seat valve available in on/off, change-over, and tank-outlet versions. Many options available e.g. stroke limiter, oil dampening cylinder, steam barrier etc.

Sealing material: EPDM, VMQ, FPM, HNBR

Size: DN25 - DN100, 1" - 4"

Max. line pressure: 10 bar (145 psi)

Supply pressure for air actuator: 6 bar (87 psi)

Sterilisation temperature: 135°C (284°F)



DOUBLE SEAT MIXPROOF VALVE (900 SERIES)

The valve has two valve stems and two valve seats for ultimate separation of two products. The seat lifting function and separate spraying of the leakage chamber ensures a complete and reliable cleaning.

Sealing material: EPDM/PTFE, HNBR/PTFE, FPM/PTFE, VMQ/PTFE

Size: DN25 - DN150, 1" - 6"

Max. line pressure: 10 bar (145 psi)

Supply pressure for air actuator: 6 bar (87 psi)

Sterilisation temperature: 135°C (284°F)



SINGLE SEAT DOUBLE SEAL MIXPROOF VALVE (870 SERIES)

Single Seat Double Seal valves are used in automated piping systems where product mixing from pressure hammer or seat failure is a concern. SSDS valve is designed for safe media separation in hygienic process applications.

Sealing material: EPDM, HNBR, TFM diaphragm

Size: DN25 - DN100, 1" - 4"

Max. line pressure: 10 bar (145 psi); 5 bar (72 psi)

Supply pressure for air actuator: 5 - 8 bar (70 - 115psi)

Sterilisation temperature: 135°C (284°F)



BUTTERFLY MIXPROOF VALVE (100 SERIES - BLOCK & BLEED)

The valve combines all advantages of the simplicity of a butterfly valve with sophisticated mixproof technology.

Sealing material: EPDM, HNBR, FPM, VMQ, PTFE

Size: DN25 - DN100, 1" - 4"

Max. line pressure: 10 bar (145 psi)

Supply pressure for air actuator: 6 bar (87 psi)

Sterilisation temperature: 135°C (284°F)



PLUG VALVE (11 SERIES)

The plug valve consists of a valve body, plug and cover made from quality stainless steel. The plug is coated with a hard chrome coating followed by precision grinding and lapping to ensure leak proof and easy operations.

Body material: AISI 316L or AISI 304L

Size: DN25, DN40, DN50, DN65, DN80, DN100, 1", 1 1/2", 2", 2 1/2", 3", 4"

Max. line pressure: 4 bar

Sterilisation temperature: 135°C (284°F)



SANITARY BALL VALVE (52, 53, 54, 55 SERIES)

Sanitary Ball valve is used in process piping system for either isolation or diversion of the fluid, manually or automatically operated. A ball valve is constructed with a full bore or full port design with zero flow restriction making it a viscous or particulate liquid. Ball valves are available in different versions to suite its respective application.

Material: EPDM/PTFE, FPM/PTFE, HNBR/PTFE, VMQ/PTFE

Size: DN25 - DN100, 1" - 4"

Max. line pressure: 10 bar (145 psi)

Supply pressure for air actuator: 6 bar (87 psi)

Sterilisation temperature: 135°C (284°F)



PRESSURE RELIEF VALVE (70 SERIES)

Pressure relief valve is designed to protect installations against excess pressure. If the set pressure is exceeded, the valve opens. Equipped with seat lifting actuator for opening during line cleaning.

Sealing material: EPDM, HNBR, VMQ, FPM

Size: DN25 - DN100, 1" - 4"

Max. line pressure: 10 bar (145 psi)

Supply pressure for air actuator: 6 bar (87 psi)

Sterilisation temperature: 135°C (284°F)



LINE COMPONENTS (SIGHT GLASSES, FILTER & STRAINER)

Inline sight glasses are used in pipelines for visual observation of product flow. The food grade polycarbonate tube is as clear as glass and it is unbreakable under normal use. Optionally made of Borosilicate.

Filters allow the removal of fine particles from various liquids. Stainless steel mesh can be reused after cleaning. All Seats and Seals are made from FDA approved materials

Sealing material: Sight Glasses: PTFE, VMQ; Filters: EPDM, HNBR, VMQ, FPM

Size: Sight Glasses & Filters: DN25 - DN100, 1" - 4"

Max. line pressure: Sight Glasses: 10 bar; Filters: 8 bar



CONTROL UNIT (ETOP-2D, ETOP-2A)

The control unit is directly mounted onto the valve actuator. An inside solenoid valve switches the air supply to the actuator either on or off.

Sensors: Feedback for open/closed position

Temperature range: -20 - 70°C (-42 - 147°F)

Protection class: IP 67

Supply voltage: 24 - 48 V DC/24 V AC/110 V AC



SAMPLING VALVE (33, 34, 35, 36 SERIES)

Sampling valves are made of high quality AISI 304 or 316L raw material. They are designed for higher flow, easy sampling and effective cleaning after the sampling activity. Sampling valves can be equipped with steam connection for sterilization.

Sealing material: EPDM, HNBR, FDM, VMQ

Size: DN25 - DN100, 1" - 4"

Max. line pressure: 10 bar (145 psi)

Supply pressure for air actuator: 6 bar (87 psi)

Sterilisation temperature: 135°C (284°F)



TANK VALVES (645 SERIES)

A light weight seat-seal assembly with calibrated spring is enclosed in a special polymer bushing. The bushing is guided in a stainless steel housing. The Tank Vent is used as a breather valve to avoid vacuum or over pressurization inside a tank or piping system.

Sealing material: EPDM, FPM, VMQ

Size: DN40 - DN100, 1 1/2" - 4"

Vacuum break: 0,007 bar (0,09 psi)

Opening from positive pressure: 0,07 bar (1 psi)

Sterilisation temperature: 135°C (284°F)



CHECK VALVE (64, 65 SERIES)

The valve opens as soon as the pressure under the valve seat exceeds the counter pressure. When the pressure is balanced, the valve closes by spring action, which means that in case of a pressure increase, the valve closes on the spring side.

Sealing material: EPDM, HNBR, VMQ, FPM

Size: DN25 - DN150, 1" - 6"

Max. line pressure: 10 bar (145 psi)

Sterilisation temperature: 135°C (284°F)

Product range

Diaphragm pumps & accessories



Peristaltic Pumps



Centrifugal pumps, filter units & accessories



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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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