

**AYENSO**

*Excellence in Chemical Resistancy*



**PRODUCT  
CATALOG**

Producing Quality  
**Since 1985**



## ABOUT US

With 35 years of experience, we produce equipments and systems for corrosive environments and industries like surface technologies, chemicals, water treatment, environmental technologies, metallurgy and mining. We offer different products that are specially developed and manufactured for different applications and for all aggressive, corrosive chemicals. Ayenso Pumps for chemical transfer, Ayenso filters for chemical filtration and Ayenso fans for chemical air ventilation offer you worldwide solutions.





# PRODUCTS

**Ayenso pumps** are for transfer and circulation of corrosive and aggressive fluid. We produce different types of pumps that are for different working conditions so that we can offer exact right pump for the right application.

**Ayenso filters** are for filtration of corrosive and aggressive fluid. With wide range of products, we offer different products for different chemicals, working conditions and particles that needed to be filtered.

**Ayenso fans** are for ventilation of corrosive and aggressive exhaust air. Wide range of products enable ventilation of different volumes of chemical containing air and also in scrubber systems grabbing and neutralizing it.



■ Magnetic Drive Horizontal Pumps



■ Mechanically Sealed Horizontal Pumps



■ High Capacity Horizontal Pumps



■ Vertical Pumps



■ Air Operation Diaphragm Pumps



■ Drum Pumps



■ Filters



■ Fans



## MAGNETIC DRIVE HORIZONTAL PUMP

- Sealless
- Reliable magnetic coupled structure
- Resistant to working and piping failures
- High corrosion resistancy
- Compact design, easy installation and maintenance
- Durable, economic, suitable for continuous use



### HEAD

- ▶ Head up to 40 m (h)



### FLOW CAPACITY

- ▶ Capacity up to 60 m<sup>3</sup>/h (Q)



### MOTOR

- ▶ Motor up to 7.5 kw

\*Please contact for other required capacity and pressure values.



Magnetic drive horizontal pumps are for transfer and circulation of corrosive and aggressive fluid. In magnetic pumps, the movement between the motor and the pump is transmitted without physical contact, but with magnets. This hermetically sealed design, makes it possible to avoid sealing problems, makes the pump resistant to dry working and piping-instillation errors. Magnetic drive pumps are especially preferred in the transfer of valuable fluid, where maintenance is not possible and the process is continuous and sensitive. The bearings and body materials of the magnetic pumps are specially selected due to the working area and the characteristics of the fluid to be transferred. In order to respond to different customer needs, beside our standard models, pumps with different capacities, pressures, designs and materials can be produced. The compact design of the pumps, our service and stock of spare parts make it possible to offer our customers fast and easy troubleshooting options.

### Industries

- Automotive
- Electroplating
- Galvanizing
- Anodizing
- Water Treatment
- Chemicals
- Scrubber Systems
- Acids
- Alkalines
- Salt water and sea water



### BODY MATERIAL

- PP
- PVDF
- PVC-U
- PVC-C
- PE



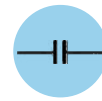
### MOTOR

- 0,18 kw – 7.5 kw
- 50 Hz- 60 Hz
- 2 poles – 4 poles
- 3-phase / 1-phase
- Exproof



### SLIDING BEARING

- SSiC / Al<sub>2</sub>O<sub>3</sub> / Carbon
- SSiC / SSiC
- SSiC / Carbon



### CONNECTION

- Male Thread
- Female Thread
- Flange



## MECHANICALLY SEALED HORIZONTAL PUMP

- High corrosion resistancy
- Suitable for hard working conditions
- Compact design, easy installation and maintenance
- Durable and economic



### HEAD

- ▶ Head up to 40 m (h)



### FLOW CAPACITY

- ▶ Capacity up to 130 m<sup>3</sup>/h (Q)



### MOTOR

- ▶ Motor up to 22 kw

\*Please contact for other required capacity and pressure values.



Mechanically sealed horizontal pumps are for transfer and circulation of corrosive and aggressive fluid. In this type of pump, mechanical seals are responsible for sealing between the rotating motor shaft and the pump. Mechanical seal consists of two extremely flat faces, one fixed, one rotating, running against each other. The seal faces are pushed together using a combination of hydraulic force from the sealed fluid and spring force from the seal design. In this way a seal is formed to prevent process leaking between the rotating (shaft) and stationary areas of the pump. The mechanical seals and body materials of the seal pumps are specially selected due to the working area and the characteristics of the fluid to be transferred. In order to respond to different customer needs, beside our standard models, pumps with different capacities, pressures, designs and materials can be produced. The compact design of the pump, our service and stock of spare parts make it possible to offer our customers fast and easy troubleshooting options.

### Industries

- Automotive
- Electroplating
- Galvanizing
- Anodizing
- Water Treatment
- Chemicals
- Scrubber Systems
- Acids
- Alkalines
- Salt water and sea water



### BODY MATERIAL

- PP
- PVDF
- PVC-U
- PVC-C
- PE



### MOTOR

- 0,18 kw – 22 kw
- 50 Hz- 60 Hz
- 2 poles – 4 poles
- 3-phase / 1-phase
- Exproof



### SEAL

- SSiC - SSiC - FKM
- SSiC - SSiC - EPDM
- Al<sub>2</sub>O<sub>3</sub> - Carbon - FKM
- Al<sub>2</sub>O<sub>3</sub> - Carbon - EPDM



### CONNECTION

- Male Thread
- Female Thread
- Flange





## HIGH CAPACITY HORIZONTAL PUMP



High capacity horizontal pumps are for transfer and circulation of corrosive and aggressive fluid. They are designed for heavy and hard working conditions. Mechanically sealed and magnetic models are available. Mechanical seals, bearings and body materials are specially selected due to the working area and the characteristics of the fluid to be transferred. These type of pumps are designed to work in heavy conditions and supported with a metal exterior. In order to respond to different customer needs, beside our standard models, pumps with different capacities, pressures, designs and materials can be produced.

### Industries

- Automotive
- Electroplating
- Galvanizing
- Anodizing
- Water Treatment
- Chemicals
- Scrubber Systems
- Acids
- Alkalines
- Salt water and sea water



### BODY MATERIAL

- PP
- PVDF
- PVC-U
- PVC-C
- PE



### MOTOR

- 50 Hz- 60 Hz
- 2 poles – 4 poles
- 3-phase / 1- phase
- Exproof



## VERTICAL PUMP

- High corrosion resistancy
- Advantage of submersion and working in the fluid
- Special bearing and sealless options



### HEAD

▶ Head up to 40 m (h)



### FLOW CAPACITY

▶ Capacity up to 60 m<sup>3</sup>/h (Q)



### MOTOR

▶ Motor up to 7.5 kw

\*Please contact for other required capacity and pressure values.

Vertical pumps are for transfer and circulation of corrosive and aggressive fluid. Due to its vertical structure, it is possible to make suction from the bottom of the tank and work in the fluid. In this way fluid can be drawn below the fluid level. Due to the special way of instillation, there is no need for mechanical shaft sealing. In order to respond to different customer needs, beside our standard models, pumps with different capacities, pressures, designs and materials can be produced.

### Industries

- Automotive
- Electroplating
- Galvanizing
- Anodizing
- Water Treatment
- Chemicals
- Scrubber Systems
- Acids
- Alkalines
- Salt water and sea water



Special sliding bearing makes it possible to reach standard submersion depths from 500 mm to 1500 mm. Direct coupled, additional bearing and elastic coupling models are available. Body materials and bearings are specially selected due to the working area and the characteristics of the fluid to be transferred.



### BODY MATERIAL

- PP
- PVDF
- PVC-U
- PVC-C
- PE



### MOTOR

- 0,25 kw – 7,5 kw
- 50 Hz- 60 Hz
- 2 poles – 4 poles
- 1- phase / 3- phase
- Exproof



### SLIDING BEARING

- Carbon / Al<sub>2</sub>O<sub>3</sub>
- Carbon / SSiC
- SSiC
- PTFE\*

\*Modified

## SEALLESS VERTICAL PUMPS

### Application

- Where no sealing materials can be used, like electroless metal plating lines
- Possibility of dry working

Vertical structure makes it possible to make suction from bottom of the tank and it is possible to work in the fluid. Its sealless and bearing free design makes the pump resistant to dry working.





## AIR OPERATION DOUBLE DIAPHRAGM PUMP

- Transfer of fluid with particles and high viscosity
- Durable and suitable for continuous use
- Dry operation
- Ex-proof, mechanically actuated, works without electric



### HEAD

- ▶ Head to 70 m (h)



### FLOW CAPACITY

- ▶ Capacity up to 880 lt/dk (Q)



### CONNECTION

- ▶ Connections up to 3"



### AIR SUPPLY

- ▶ Max. supply air pressure 7 Bar

\*Please contact for other required capacity and pressure values.



AODD pumps use compressed air source instead of electrical energy. As a result of diaphragm movement the fluid is pumped. The pump consists of 2 diaphragms, fluid inlet-outlet connections and ball valves. During operation one of these diaphragms is filled with fluid and the other with compressed air. The diaphragm in the air filled part directs the fluid to the outlet, while a vacuum is created on the other side and the pump is filled with fluid again. There are two checkvalves on each side to ensure the movement of fluid to one side. Diaphragms, balls and body materials are specially selected due to the working area and the characteristics of the fluid to be transferred. The compact design of the pump, our service and stock of spare parts make it possible to offer our customers fast and easy troubleshooting options.

### Industries

- Automotive
- Electroplating
- Galvanizing
- Anodizing
- Water Treatment
- Chemicals
- Paint
- Ceramic
- Textile
- Leather
- Oil

### Application

- Transfer and circulation
- Drum and tank draining
- Risk of fire and explosion



### BODY MATERIAL

- PP
- PVDF
- Aluminium
- AISI-316



### DIAPHRAGM

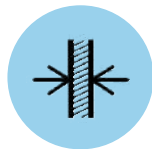
- PTFE
- Santoprene
- Neoprene
- NBR
- EPDM
- FKM





**DRUM PUMP**

■ Drum pumps are for fast transfer of aggressive and corrosive fluids. Standard drum pumps are available with PP, Kynar and AISI-316 Stainless Steel piping



**BODY MATERIAL**

- PP
- Kynar
- SS-316



**MOTOR**

- 50 Hz - 1-phase



### AYENSO FILTER

- Reliable, durable structure
- High corrosion resistancy
- Compact design, easy installation and maintenance
- Suitable for continuous use

Filter units are mainly for filtration of particles in corrosive and aggressive fluid. They are also used for agitation, deoling and recovery of the chemical process. Body materials, pumps and filtration media are specially selected due to working area and the characteristics of the fluid to be filtered. In order to respond to different customer needs, we offer wide range of filtration capacities from very small units to larger ones. Beside our standard models, filters with different capacities, designs and materials can be produced. The compact design of the filter, our service and stock of spare parts make it possible to offer our customers fast and easy troubleshooting options.

#### Industries

- Automotive
- Electroplating
- Galvanizing
- Anodizing
- Chemicals
- Acids
- Alkalines
- Salt water and sea water



#### BODY MATERIAL

- PP
- PVDF
- PVC-U
- PVC-C
- PE
- AISI-304
- AISI-316



#### PUMPS

- Magnetic Drive
- Mechanical Sealed
- Vertical



#### APPARATUS

- Cartridge
- Disc
- Deoil

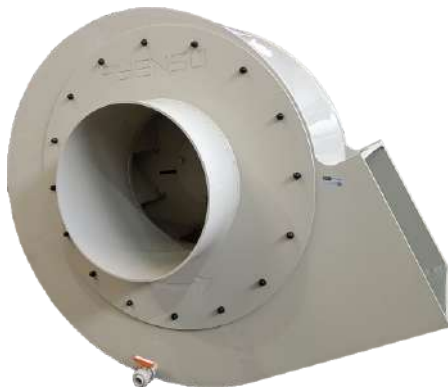


## AYENSO CENTRIFUGAL FAN

- High corrosion resistancy
- Reliable, durable structure
- Compact design, easy installation and maintenance

Fans are for ventilation of corrosive and aggressive exhaust air. They are made of thermoplastics and body material is specially selected due to the working area and the characteristics of the exhaust air. Wide range of products enable grabbing and removal of different volumes of chemical containing air. All fans are designed and produced with our years of engineering expertise. Beside our standard models, fans with different capacities, pressures, designs and materials can be produced. The compact design of the fan, our service and stock of spare parts make it possible to offer our customers fast and easy troubleshooting options.

Scrubber systems are used to grab and neutralize harmful gas produced in industrial facilities and aim to minimize the damage to human and environment. Beside corrosion resistant thermoplastic fans, we design and manufacture scrubber systems that offer precise solutions to our customers needs .



### Industries

- Automotive
- Electroplating
- Galvanizing
- Anodizing
- Chemical Industry
- Scrubber Systems
- Pickling
- Printing





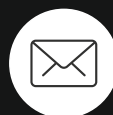
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