



**POMPE**

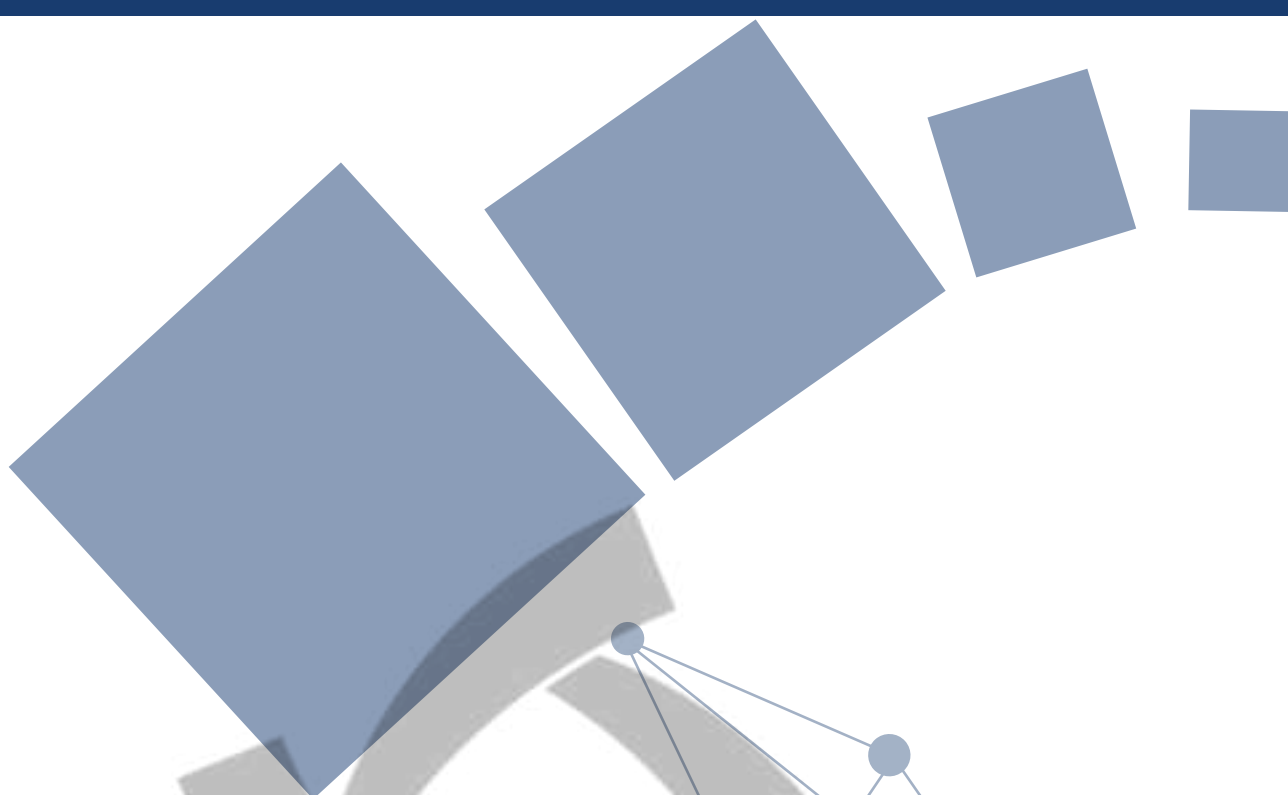
# **PUMPS FOR CHEMICAL FLUIDS**

**micromi**  
INDUSTRIAL MIXERS

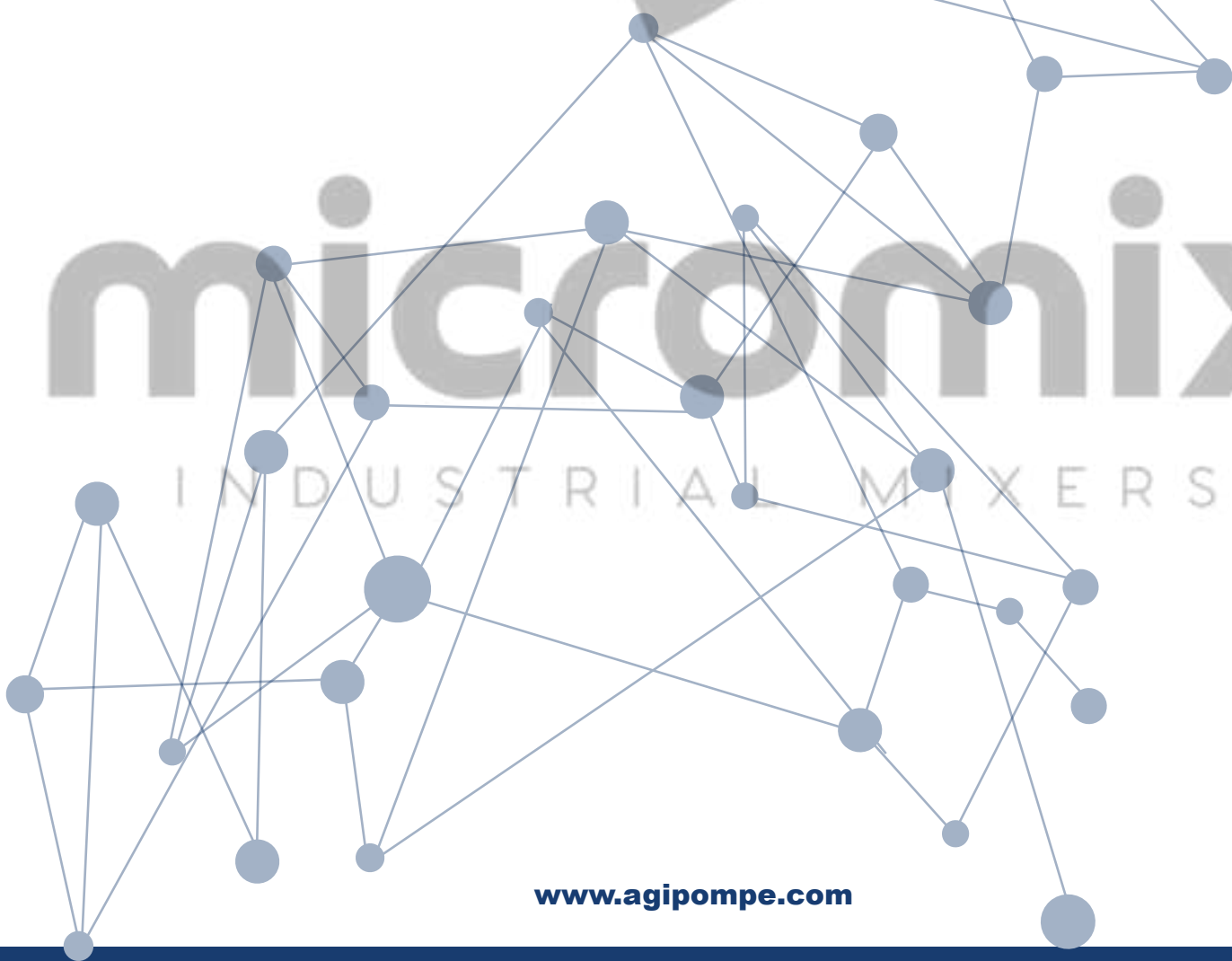


*by* **Teknofluor Group**





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

The logo for A.G.I. is displayed in white on a dark blue rectangular background. The letters 'a', 'g', and 'i' are stylized with horizontal bars extending from their right sides.The word 'POMPE' is written in a bold, dark blue, sans-serif font. To the right of the text is a decorative graphic consisting of several grey circles of varying sizes connected by thin grey lines, forming a network-like structure.

## ABOUT US

**B**orn in the 60's for the construction and marketing of special pumps for industry, in the 90's **A.G.I. POMPE** focused on the distribution of pumps made by reliable international partners.

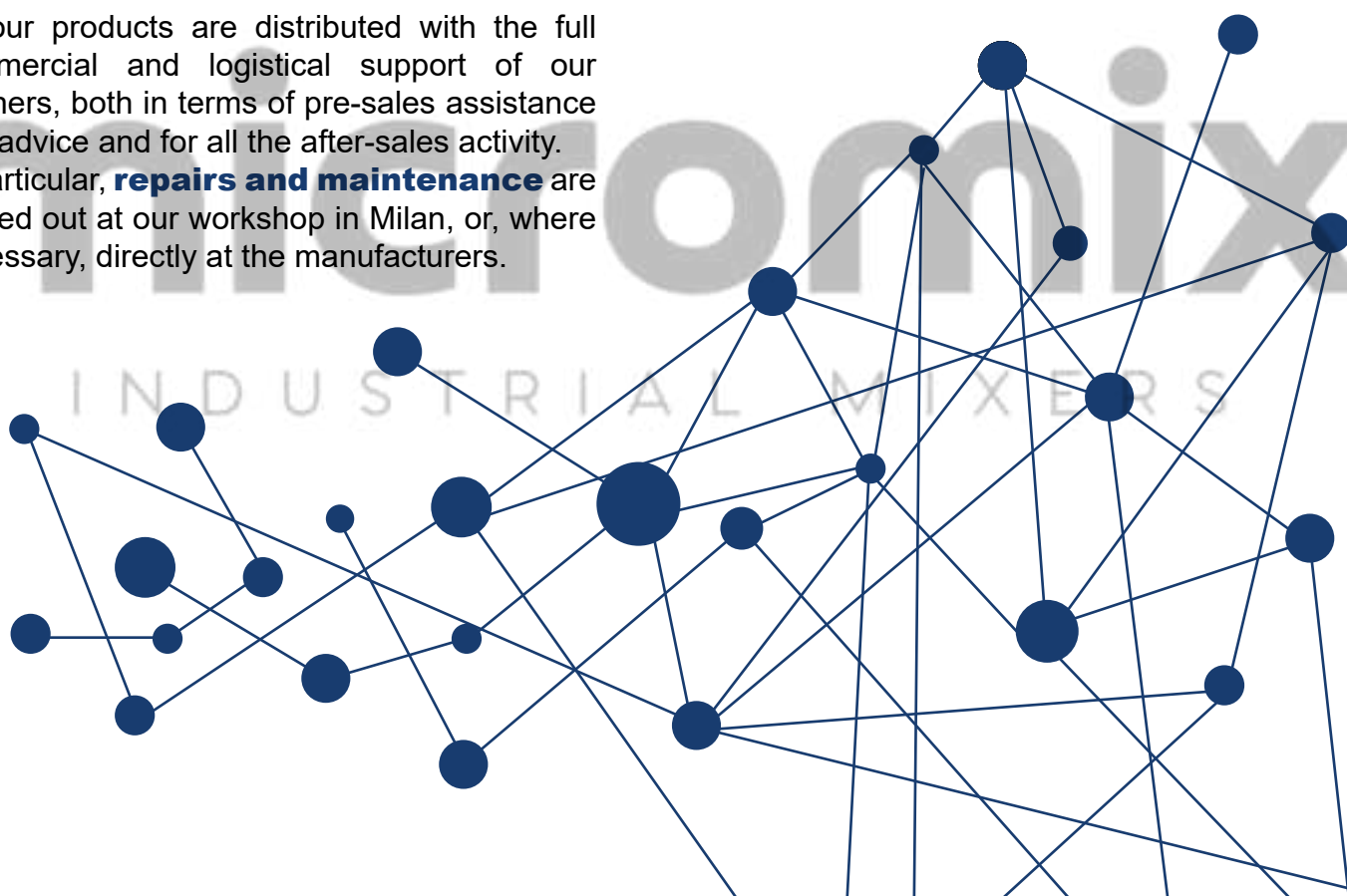
In 2014, with the entry into **Teknofluor Srl**, the previous technical experience was put at the service of the new dynamic commercial reality resulting from the merger between the two existing technical and commercial cores.

**T**he products that you will find in this brochure are the best that technology can offer and that **A.G.I. POMPE** offers you with a complete and **quality** service, for the process industry, working and, more generally, for all industrial sectors.

All our products are distributed with the full commercial and logistical support of our partners, both in terms of pre-sales assistance and advice and for all the after-sales activity.

In particular, **repairs and maintenance** are carried out at our workshop in Milan, or, where necessary, directly at the manufacturers.

## PRODUCTS





POMPE



# MA180

## DIAPHRAGM DOSING PUMPS

### DESCRIPTION

The electric pump **MA180** is a model of volumetric pump with direct diaphragm. The membrane is mechanically moved by a movement of reciprocation that operates in an oil bath sump, together with a **speed** reduction endless worm drive, both driven by an electric motor. The mechanical part, from which only the shank which pushes the diaphragm comes out, and the head are separated and they are not interconnected, so that the pumped liquids are in contact only with the head itself, with the valves and the diaphragm. The electric pump **MA180** is specifically designed for applications in which, by choice or necessity, you can not use compressed air.

### OPTIONS

Thanks to the availability of two gear ratios and to the possibility of installing engines with four or six poles, the pump **MA180** can be supplied in four different speeds and it's available in **two basic versions**:

1. With adjustable flow-rate with stroke length regulation and spring return, flow-rates range from 150 to 1600 liters/hour, maximum working pressure 1,5 Bar.
2. With fixed flow-rate with positive return rod, flow-rates range from 800 to 2400 liters/hour, maximum working pressure 1,5 Bar.

The second version has a higher suction capacity thanks to the positive return of the rod; than, it can also operate with products of a certain viscosity, particularly if it adopts the special EPDM diaphragm reinforced with canvas, which is also recommended with non-viscous liquids in case of need of a **greater efficiency** with pressure.



### MAIN FEATURES

The direct diaphragm pump MA180, in addition to being **particularly suitable** for the transfer of **corrosive liquids** by virtue of the materials used for the head, the membrane and the valves, mainly provides the following undeniable advantages:

- **Self-priming**
- **Watertight without stuffing box or seals**
- **Dry run without any problem**
- **Possibility to vehiculate dirty liquids too**

# M25-35

## PISTON DOSING PUMPS

### DESCRIPTION

The electric pumps Series **M25-35** are **volumetric plungers pumps**. The pistons are made of chemically and mechanically most resistant materials (ceramic and stainless steel, head in SS or PVC) and they are moved by a movement of reciprocation that operates in an oil bath sump, together with a speed reduction endless worm drive, both operated by an electric motor.

The mechanical part and the head are separated and are not interconnected, so that the pumped liquids are in contact only with the head itself, with the valves, the seals and the piston.

The pumps **M25-35** are designed for all those applications in which, by choice or by necessity, it is not possible to make use of the compressed air. Thanks to the availability of two reduction ratios, the pumps **M25-35** can be supplied in **two different speeds** and are offered in multiple basis versions.



### MAIN FEATURES

The plunger pumps **M25-35**, in addition to being particularly suitable for the transfer of **corrosive liquids** by virtue of the materials used for the head, the pistons and the valves, mainly offer the following significant advantages:

- **Self-priming**
- **Watertight without stuffing box or seals**
- **Dry run without any problem**
- **Possibility to vehiculate dirty liquids too**

Other models achievable with flow-rate ranges from 3 to 350 l/h and 150 Bar maximum pressure.

Lower pressures obtainable with rubber membrane pressing element, with high chemical resistance. Upon request, it is also possible to shape special versions for dedicated applications. Informations and prices on request.



POMPE



# ME-1

## SOLENOID METERING PUMPS

### DESCRIPTION

**S**olenoid pump with easy installation and minimal maintenance. With pressing element with PTFE rubber membrane, PP or PVDF body, high chemical resistance seals. Handling via electric solenoid 230 V and IP65 case. Versions with integrated instrument, PH or mV control (Redox).

Constant, ON/OFF or proportional operation. Surge alarm, programmable start, flow control, digital display, accessory kit with ball injection valve.

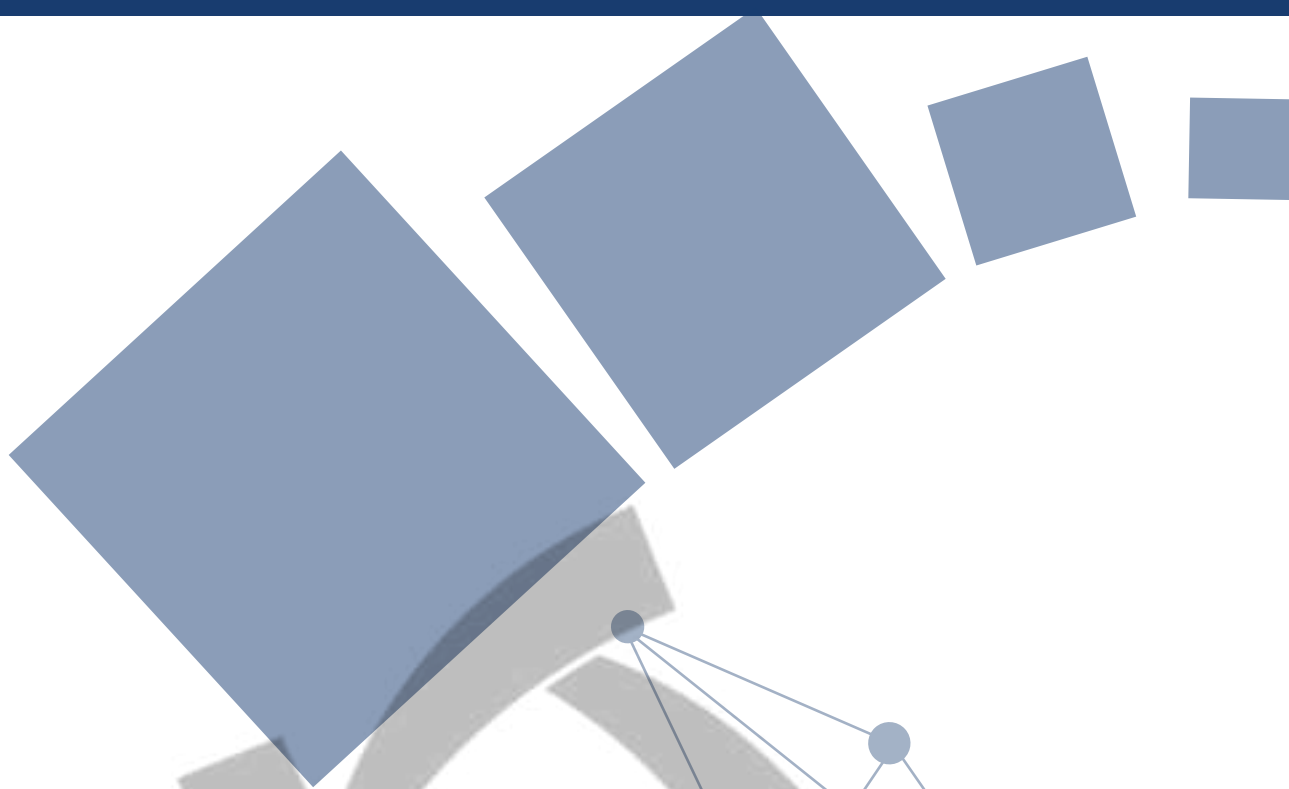


ME-1 PH

### MAIN FEATURES

- Pump head with manual bleed for pressure priming (**self-degassing pump head**);
- PP case reinforced 30% talc with IP54/IP65 protection;
- Pumphead made of PP (**PVDF/PVC**) Diaphragm PTFE Valves Pyrex glass (**SS316/Ceramic**), O-ring gaskets FKM/Viton (**EPDM**), Lip valves FKM/Viton (**EPDM**), Ball Valves **Hastelloy**/Pyrex (**SS316**);
- Security and reliability;
- Polycarbonate front panel;
- Wall mounting with stirrup;
- 230 Vac power - 2.5 mt power supply cable
- Accessories set with ball injection valves, Hastelloy spring;
- Made in Italy;
- 100% Tested before delivery;
- Produced according to CE standards.

(as optionals)



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**ESPANGO**  
PERISTALTIC PUMPS TECHNOLOGY



# IPI

## PERISTALTIC PUMPS RANGE

The result of fifty years of experience of **“AGI POMPE”**, the renewed range of industrial peristaltic pumps **“IPI”** is distinguished by the **careful and functional design**, the strength and the use of high quality materials that result in **lightweight, practicality, robustness and great versatility**. The possibility to customise the various models according to the customer's needs, even for low flow-rates and small production volumes, makes our pumps the optimal product for solving a wide range of applications.

The **“IPI”** range combines the mass production of the main components (head, rollers, tube, etc ...) to the possibility of **customisation** required by the application.

The utilisation of the best materials available on the market, combined with the machining on automatic machines of the latest generation, places this pumps range at the **highest quality and reliability levels**, without excluding a low cost.

This range consists of 4 models, three of which with flow-rates ranging from 2 to 2.500 l/h and pressures up to 4 Bar with normal tubes, up to 6 Bar with special reinforced tubes and a bigger model with tubes with textile reinforcements.

All models consist of an aluminum or engineering thermoplastic head, and of **STAINLESS STEEL** components.

This is a deliberate project choice to offer customers a **durable and low maintenance** product, with a high degree of mechanical and chemical resistance of all its components. Our range of pumps is positioned at the highest levels of the market. The setting and the design philosophy enable customers a very wide choice and the maximum personalization thanks to 9 speeds for all four models and to 4 tube sizes for the models **IPI96/IPI150/IPI350**. Furtherly, all



models are designed to be supplied with 2 rollers (standard) or with 3-4 rollers (on request).

The motors are three-phase 230/400 Volt, **IP55 protection**, and each pump model can have many different power to fit all application. On demand, we can also supply single-phase 230Volt motors, IP65 three-phase motors, Atex motors or motors for food / pharmaceutical environments to be combined to the exclusive **STAINLESS STEEL HEAD**.

We can provide several accessories such as, for example, normal or stainless steel trolleys for mobile pumps, special fittings, inverters or dimming panels with remote control (with potentiometer, manual, signal 0-20 mA, 0-10 V etc...)



# ESPANGO

PERISTALTIC PUMPS TECHNOLOGY

## VARIATIONS

There are **many possible variations** and they can also be implemented even for a single piece:

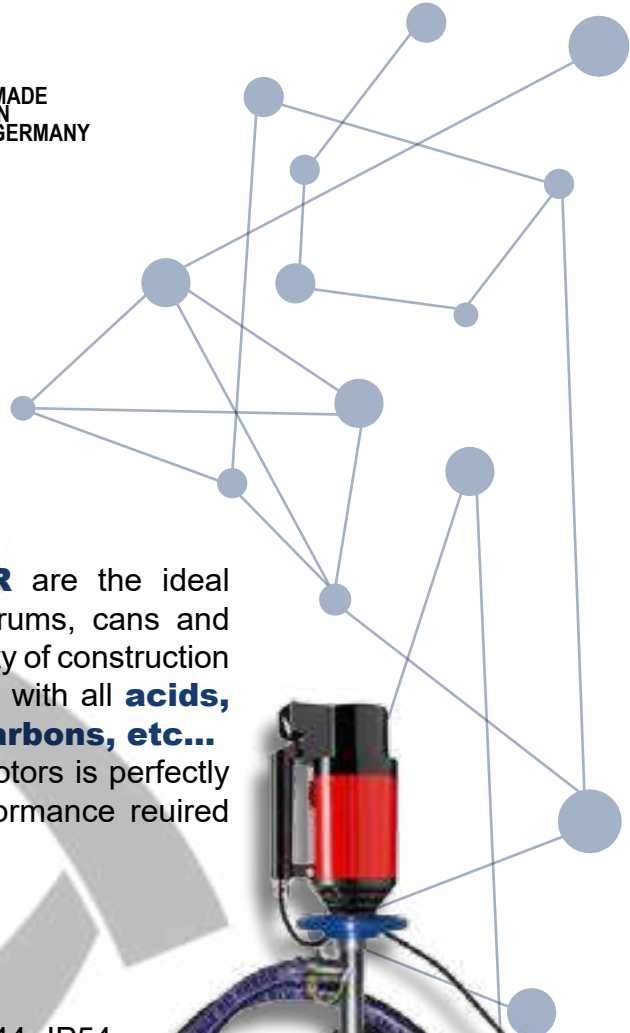
- Customized flow-rate. According to the flow table of each pump, we can achieve the requested flow-rate with the right ratio of reduction and tube diameter.
- Pressure increased up to 6 Bar (at reduced capacity). Using tubes with increased wall or reinforced by textile, we can give the customer pressures up to a maximum of 6 Bar.
- Hose fittings TRI-CLAMP, DIN 11851, Garolla, SMS, NPT.
- Improved accuracy, with the use of 3 or 4 rollers (with a reduction of the pulsations and decrease of the capacity).
- 230 Volt single-phase motors.
- ATEX certified motors for the use in explosive risk environments.
- Pneumatic motors.
- Positioning on stainless steel trolleys for the rapid shift in the workshop.
- Pumps for the food and pharmaceutical industry with fully **STAINLESS STEEL** head and specifically constructed motors.
- Pumps constructed for **C.I.P.** (CLEANING-IN-PLACE) and **S.I.P.** (STEAMING-IN-PLACE) disinfection systems.
- Pumps with variable speed through mechanical variator or inverter control panel with manual potentiometer or current signal 0-20 mA or 0-10 V voltage.
- Pumps with two heads (even of different sizes) to pump at the same time liquids of different viscosity, different or double flow.
- Modified pumps for high temperature liquids ( $>60^{\circ}\text{C}$ ).
- Pumps with vertical development motor with reduced overall dimensions in plan.
- Pumps with coaxial gearbox.
- Pumps with pulsation damper for a better regularity of the flow.

# JESSBERGER

pumps and systems



by  **POMPE**



The drum pumps **JESSBERGER** are the ideal choice for handling liquids from drums, cans and industrial containers. The wide variety of construction materials allows customers to work with all **acids, bases, oils, solvents, hydrocarbons, etc...** The range of suction pipes and motors is perfectly interchangeable to obtain the performance required by the user.

**Electric drive motors** IP24, IP44, IP54 or ATEX.

**Pneumatic motors** in stainless steel ATEX certified.



Constant flow, with **various accessories** including dispensing guns, connection tubes, standard bin connections, liter counter.

Flow rates up to 2000 litres/hour.

Construction materials more suitable for contact with **various liquids**: PP, PVDF, aluminum, stainless steel.

Standard Hastelloy shafts, stainless steel on request.

## INDUSTRIAL MIXERS

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## MAIN APPLICATIONS



**INKS**



**CHEMICAL  
PHARMA**



**COSMETICS**



**PAN WORLD**  
EUROPE



by



**POMPE**

**P**anworld centrifugal pumps are the ideal choice for pumping **chemicals** such as **sulfuric acid**, nitric, hydrochloric, phosphoric or caustic soda.

The standard construction includes the body in Polypropylene, PTFE, ETFE or stainless steel.

Various connections, such as **DIN**, **ANSI**, **GAS**, etc.

**IP55** electric drive motors also ATEX for **explosion-proof** environments.

Optional safety amperometric system to avoid dry operation.



## PROTECTION AGAINST DRY OPERATION

The torque limiter **saves time and money**. It is an instrument for the calibration of the minimum and the maximum **amperage** to automatically interrupt the current in case of overload or dry operation of the pumps. It will effectively protect your machines from damage and downtime.



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

## MAIN APPLICATIONS



**PHARMA**



**CHEMICAL**



**GALVANIC**



# BOMINOX

stainless steel pumps



by **a.g.i.** POMPE



**B**ominox centrifugal pumps are generally used more than any other type for pumping liquids free of **solid substances or low viscosity**.

Our centrifugal pumps are designed to deliver optimal performance while requiring only a low NPSH value.

The pumps are **AISI 316L stainless steel** centrifuges with low NPSH, and thanks to this and the centrifugal force that emanates, they are the most used for the transfer of clean liquids. They are **ideal for the food and wine industry**, but also widely used in the pharmaceutical, petrochemical and cosmetic industries.



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## MAIN APPLICATIONS



CHEMICAL



PETROCHEMICAL



FOOD

**S**tainless steel low-speed rotary pumps with flexible impeller, particularly suitable for transfer of delicate, fragile and viscous fluids, also with solid parts in suspension. Our pumps are widely used in the **OENOLOGICAL** field (wine, must and stemmed grapes), in **FOOD** processing (beer, fruit pulp and juice, honey, liquid sugar, syrups, glucose, milk, melted butter, yoghurt, liquids, eggs, oil, tomatoes pulp and juice, brine, etc...), in **CHEMICAL INDUSTRY** (starch, water based glues, emulsions, glycerine, wax, detergents, rubber latex, photographic processing liquids, polyelectrolyte, paints, ink, industrial discharges, etc...), in **COSMETIC** and **PHARMACEUTICAL** production (liquid soap, cleaning lotion, cream, shampoo, etc...).

The easy mounting principle, the multiple choice of production materials and the **Quality System** procedure applied throughout production, allow us to offer a wide, versatile and customized product range. Every pumps range can be produced with different impeller types, mechanical gaskets, couplings and in numerous executions, which are:

- **Bare shaft pump**;
- **Coaxial motorized pump** (with electric or orbital hydraulic motor);
- **With gearmotor**;
- **With pulley** (on trolley or base);
- **With mechanical speed variator** or **with frequency converter**;

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## MAIN APPLICATIONS



CHEMICAL



CHEMICAL  
PHARMA



FOOD



by  **POMPE**

Since 1975, **COMEX** has been producing **submersible pumps** for draining and evacuating sewage, **surface pumps** for pressurization and submersible pumps for taking water from wells.

**COMEX** products are used in a wide range of industries, in many countries around the world.

**COMEX** pumps are created to produce articles that comply with the strictest **safety** regulations in Northern European countries.

The constant commitment to high quality products leads to **TÜV** certification.

In the meantime, the series of water pumps has grown a lot including **domestic pumps**, pumps for **agricultural** and **industrial** uses and also **pumps for special uses**.

In 2003, Comex products were certified by the Swedish Institute **SEMKO**, which guarantees their high quality and in June 2015 Comex also obtained the **ISO 9001 certification**.



The **values** to which they are reflected are the **quality** of products and **efficient** customer service.

In order to create high quality water pumps, we have set ourselves precise operational choices:

- **accurate design;**
- **use of the best components;**
- **monitored production process;**
- **rigorous testing and testing on each finished product.**

# ESPANGO – AGI POMPE

## APPLICATION DATA FORM

### GENERAL INFORMATION

Company: \_\_\_\_\_

Phone nr.: \_\_\_\_\_

Fax nr.: \_\_\_\_\_

E-mail: \_\_\_\_\_

Contact Ms./Mr.: \_\_\_\_\_

Application: \_\_\_\_\_

Temperature: continuous \_\_\_\_\_ °C and/or max \_\_\_\_\_ °C

Liquid to be pumped: \_\_\_\_\_

Concentration: \_\_\_\_\_ % Density: \_\_\_\_\_ (kg/dm<sup>3</sup>)

Viscosity Centipoise-cPs/mPas: \_\_\_\_\_

Included particles? ☐ Not or ☐ Yes ☐ soft or ☐ hard (size \_\_\_\_\_ mm) weight \_\_\_\_\_ gr/lt

Abrasive particles? ☐ Not or ☐ Yes

Flow-rate/Capacity: \_\_\_\_\_ lts/hr or \_\_\_\_\_ ml/min

Accuracy +/- \_\_\_\_\_ %

☐ Steady

or

☐ Adjustable

Self-priming? ☐ Not or ☐ Yes

Suction (mts): \_\_\_\_\_ Delivery (mts): \_\_\_\_\_ Total height /mts) \_\_\_\_\_

Pipe size (mm/”) \_\_\_\_\_ Total pipe length (mts) \_\_\_\_\_

Max. pressure (Bar): \_\_\_\_\_

Duty cycle:

☐ soft (1-20% ON) ☐ medium (20%-50% ON) ☐ heavy (50-100% ON)

Estimated working time (hours per day / week): \_\_\_\_\_

Pump body: ☐ Open ☐ Closed IP \_\_\_\_\_

(For drum pumps only – pump tube length (cm.) \_\_\_\_\_)

Fittings: \_\_\_\_\_ Connection tube sizes \_\_\_\_\_

Power supply: \_\_\_\_\_ V ☐ single phase ☐ threephase or \_\_\_\_\_ VDC

☐ compressed air \_\_\_\_\_ Bar

IP \_\_\_\_\_ Atex: ☐ Not or ☐ Yes class \_\_\_\_\_

Estimated needed quantity: \_\_\_\_\_ pcs (per order) \_\_\_\_\_ pcs (per year)

Special features (FDA, USP, .....): \_\_\_\_\_

NOTES / SPECIAL QUESTIONS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mod. PCPoo

**PLEASE SEND THIS FORM by fax (+39 02 5830 4889) or  
e-mail ([espango@espango.it](mailto:espango@espango.it) – [info@agipompe.com](mailto:info@agipompe.com))**



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