

CIP MIXER RANGE

**AUTOMATED EQUIPMENT
FOR WASHING AND RINSING OF TANKS,
PIPES AND OTHER VESSELS**



CIP MIXER INOX 1000

RANGE

THREE MODELS OF CIP MIXER ARE AVAILABLE:

MODELS

**CIP MIXER
INOX 1000**



**CIP MIXER
INOX 10-1000**
Fitted with 10 Hp
washing pump

**CIP MIXER
INOX 5.5-1000**
fitted with 5.5 Hp
washing pump

**CIP MIXER
ECO**





CIP MIXER INOX 1000

The **CIP MIXER INOX 1000** is an equipment that prepares solutions in different concentrations and to **set up automatically washing/rinsing cycles**.

ADVANTAGES

COMpletely
INDEPENDENT
OPERATION

POSSIBILITY TO SAVE
UP TO 30 WASHING
PROTOCOLS

pH CHECK
USING pH
METER

TRACEABILITY OF EACH PROCESS

ACCESS TO WASHING LOG

OPERATION

WITH THE CIP MIXER INOX 1000 IT IS POSSIBLE TO CLEAN TANKS, PIPELINES, AND ANY OTHER EQUIPMENT OR STRUCTURE. SIMPLY PLACE THE SUCTION HOSES INTO THE PRODUCTS TO BE MIXED WITH WATER, THEN CONNECT THE COMPRESSED AIR SUPPLY, POWER SUPPLY, AND MAINS WATER.

The operation of CIP MIXER INOX 1000 is truly intuitive and it's based of a few simple steps:

1

1. Fill in the table with:

- Liters
- Concentration of the products
- Times
- Temperatures (optional, present in the model with resistances)



2

Choose the type of washing:

- **Closed:**
for washing pipes, where the Cip tank is used as the recirculation container.
- **Open:**
for washing tanks, which are used as the recirculation container.

3

By pressing the "START" button located on the electrical panel.

The selected cycle (illuminated in green) will start.

After initial rinse, Cip Mixer prepares the solutions with the selected products, possibly heated, and recirculates them the programmed time.

TECHNICAL FEATURES

- **Power supply:** 380V, 50Hz, 32A, 3P+E plug
- **Power and absorption:**
17Kw - 26A (model 5.5); 20Kw - 31.6A (model 10)
- **Dimensions:** 120 W X 230 D X 250 H
- **Weight:** 270 kg
- **Frame:** A304 stainless steel on wheels
- **Construction material:** 316 stainless steel, PVC piping
- **Tank:** virgin linear polyethylene totally anti UV

UTILITIES

- H₂O input: 1" female gas
- Output and recirculation: 1" ¼ female gas
- Suction products: 12x18 mesh hose and PVC suction tube for canisters or big
- Air inlet: fitting with quick coupling for 10mm tube

COMPONENTS

CIP MIXER INOX 1000 IS A COMPLETE SYSTEM EQUIPPED WITH:

PLC

Siemens interfaced with 9" Weintek panel.

PUMPS PRODUCTS

N.3 pneumatic pumps of 18 L/min, one for each product with separate circuit and pneumatic safety valve.

MAGNETIC LITER COUNTER

N.1 316 stainless steel reading range 5-200 L/min on the water inlet.

IMPULSIVE LITER COUNTER

N.3 one for each product in PvdF and Viton.

VALVES

N.6 DN 50 ball valves with pneumatic actuator, 2 DN 32 ball valves with pneumatic actuator for water management. N.2 Dn 25 for water, N.1 manual for unloading loading.

WASHING PUMP

centrifugal pump 5.5 HP.

pH METER

N.1 control unit with probe to measure the pH of the discharges.

PRESSURE SWITCH

N.1 with 316 stainless steel facing membran.

WASHING BALL

N.1 for internal washing of the CIP.



DOSING PUMPS WITH SAFETY VALVE AND FLOWMETER

Each product is dosed by a dedicated pump.



pH PROBE AND TEMPERATURE SENSOR

pH monitoring allows the detection of discharges in order to calibrate them to the desired neutrality, while the temperature is detected by a PT100 thermostat.

COMPONENTS



DEPTHOMETER



ELECTRICAL PANEL WITH pH METER

A touch screen monitor allows simple and fast selection of the desired solutions and control over washing cycles.

OPTIONAL

- Heating Kit with 2 resistances of 6 Kw - 32A
- Heating kit with 4 resistances of 6 Kw-63A (to be requested during construction)
- Supplementary stainless steel 2x2 6 Kw heating elements (applicable to those who want 4 heating elements but do not have 63A available)

CIP MIXER ECO

CIP MIXER ECO



CIP MIXER ECO is also available: ideal to prepare the washing solutions (up to three products) in complete safety, simply setting the procedure through the touch screen.

OPERATION

WITH CIP MIXER ECO IT IS POSSIBLE TO CREATE ANY KIND OF SOLUTION. JUST CONNECT THE DETERGENT PRODUCTS, COMPRESSED AIR, RUNNING WATER AND ELECTRICITY.

Using the touch screen display is only necessary:

1

Select which product you want to mix with the H₂O.
 acid, alkaline, sanitizing.

2

Enter liters of solution and concentration of the product.

3

Press the START button.

A buzzer warns the operator when the solution is prepared.

At this point, connect the outlet to a pump to use the solution for a one-time wash or recycle by connecting to the appropriate input.

An ultrasonic sensor above the surface monitors the solution level, visible from the operator panel.

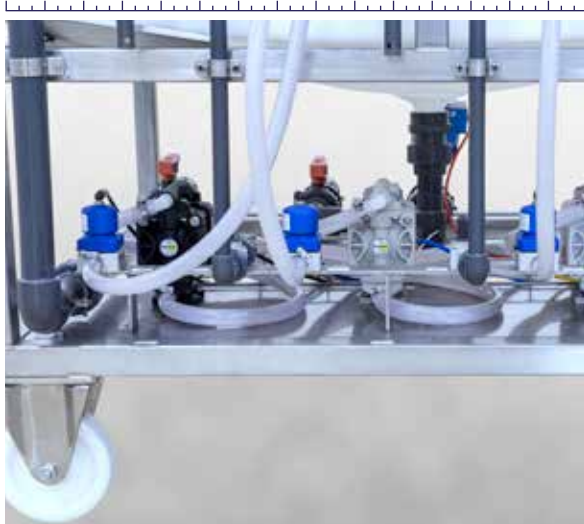
TECHNICAL FEATURES

- Supply: 220V, 50Hz, 16A, Spina 2P+T
- Maximum absorption: 5 A – 0.05 Kw
- Dimensions: 120 L X 140 P X 220 H
- Weight: 230 Kg
- Frame: A304 stainless steel on wheels
- Construction material: 304 stainless steel, PVC pipes
- Tank: Virgin Linear Polyethylene totally anti UV

UTILITIES

- H₂O input: 1" Female Gas
- Output and recirculation: 1" ¼ Female Gas
- Suction products: 12x18 mesh hose and PVC suction tube for canisters or big
- Pump: No. 3 pneumatic 18 L / min, one for each product with separate circuit and pneumatic safety valve
- Magnetic liter-counter: N.1 Inox 316 reading range 5-200 L / min on the H₂O input
- Impulsive liter-counter: N.3 one for each product in PvdF and Viton
- Valves: N.1 with pneumatic actuator, N.2 manuals
- Air inlet: fitting with quick coupling for 10mm tube

COMPONENTS

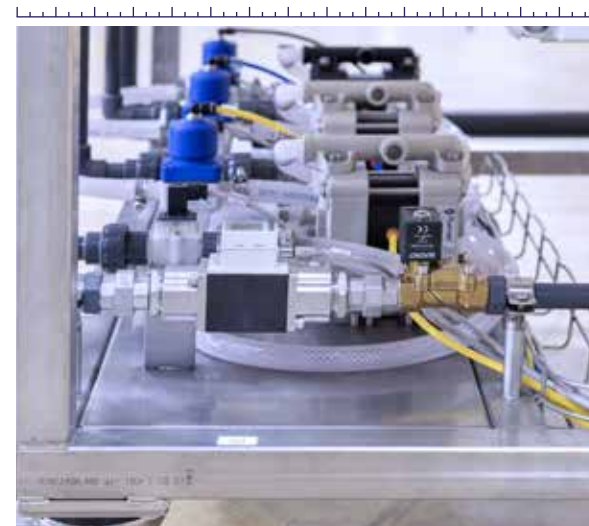
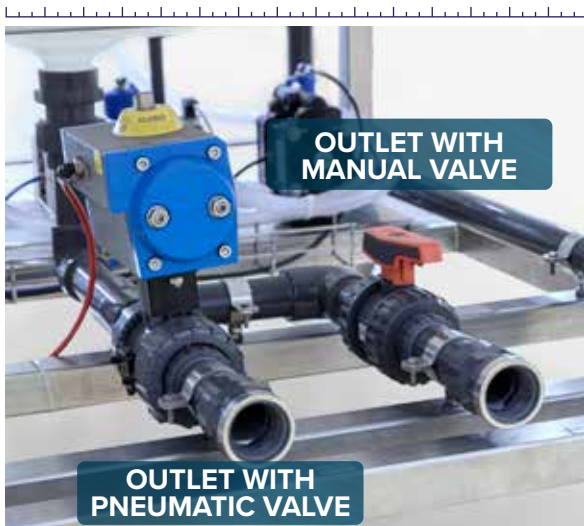


MIXING PUMPS WITH SAFETY VALVES

Due to hazardous chemicals, the flows are controlled by pumps with a dedicated safety valve.



Detail of system operation.



FLOWMETER

The solution is guaranteed by the flowmeter reading (H₂O and products).