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# GEMINI P1000

## PNEUMATIC PUMP



PP/PVDF/ALUM/AISI

## Main characteristics

- BODY PUMP MATERIALS: PP,PVDF, AISI 316, ALUMINIUM
- SELF-PRIMING UP TO 6M
- UNLIMITED DRY RUNNING
- ANTI-STALL PNEUMATIC CIRCUIT , EASY TO MAINTAIN
- POSSIBILITY OF ADJUSTING: FLOW-RATE, HEAD AND SPEED
- VARIOUS INSTALLATIONS AND CONFIGURATIONS
- ATEX CERTIFICATIONS FOR ZONE 1 AND 2 IN ALL VERSIONS
- AIR-DISCHARGE COVER WITH CONNECTIONS FOR VARIOUS USES

# Water Treatment



## Main application

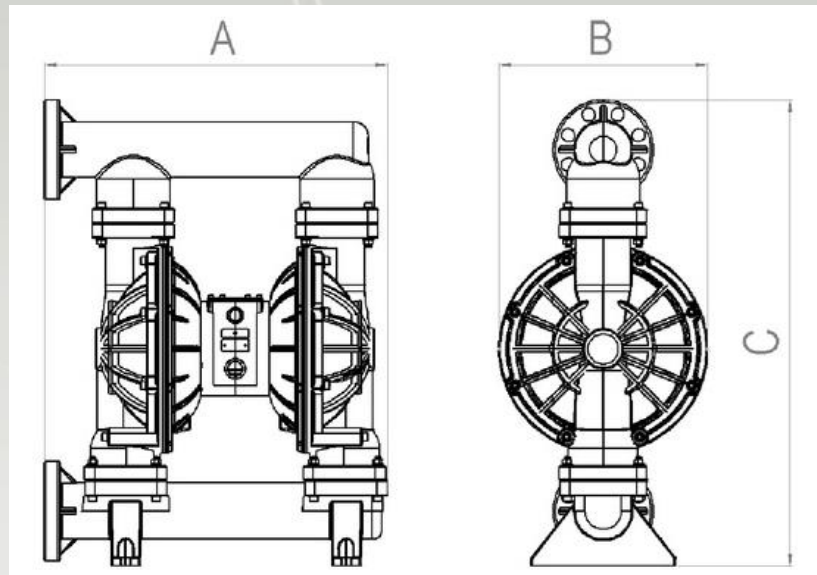
- Chemical and petrochemical production and processing of basic products
- Textile industry
- Food, beverage, dairy, beverages and oils
- Ecological industry, waste disposal, fumes and water purification and flexographic printing industry and photographic
- Tanning industry
- Mining
- Automotive industry in general and automotive
- Ceramic industry, glass and porcelain
- Gold industry
- Paper industry
- Electronics industry and printed circuit boards,
- Electroplating industry, pickling, degreasing and metal treatments
- Paint and varnish industry
- Oil industry
- Fertilizer production industry
- Metal industry
- Biodiesel industry, electricity production and accumulators
- Industrial detergents industry
- Pharmaceutical industry

## Example of installation



# Water Treatment

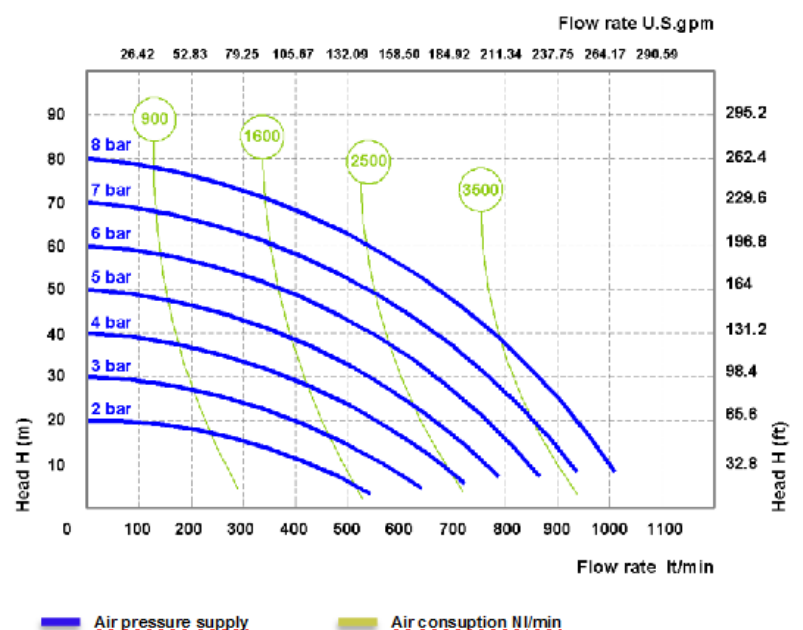
## Dimensions



| Dimensions      |      |      |      |      |
|-----------------|------|------|------|------|
|                 | PP   | PVDF | ALU  | AISI |
| A (mm)          | 685  | 685  | 570  | 570  |
| B (mm)          | 417  | 417  | 420  | 420  |
| C (mm)          | 933  | 933  | 838  | 838  |
| Weight kg       | 50   | 55   | 55   | 120  |
| MAX Temperature | 65°C | 95°C | 95°C | 95°C |

## Specifications

FLUIDS CONNECTIONS : 3" BSP Dn  
 80 AIR CONNECTION: 3/4" BSP  
 MAX FLOW-RATE: 1050lt/min  
 MAX AIR PRESSURE: 8 bar  
 MAX DELIVERY HEAD: 80m  
 MAX SUCTION LIFT DRY: 6m  
 MAX SUCTION LIFT WET: 9,8 m MAX  
 SOLID PASSING: 10 mm  
 NOISE:78 dB  
 MAX VISCOSITY: 55.000 cps  
 ATEX zona 2: EX II/3 GD c IIB T135°  
 C



# Accessories



## AIR REGULATION KIT

Adjusts and set air pressure and air flow-rate with a filter regulator, pressure gauge and air valve unit.



## SWITCH VALVES

Remotely start and stop with a solenoid or pneumatic valve



## STROKE COUNTER

Counts the number of strokes, connected to a control. It allows various type of monitoring.



## DIAPHRAGM FAILURE DETECTION

The Electronic Leak Detector provides a signal via warning lights, an audible alarm, and the pump can be shut down



## PNEUMATIC BATCH CONTROL "START & STOP"

Pneumatic batcher can control any pump allowing you to set the cycles amount.



## BASKET STRAINER FILTERS IN PP

Installed on the suction of the pumps, protects them from suspended solids and impurity.



## INOX TROLLEY

To transport the pump



## ANTI VIBRATION FEET KIT

Reduces physical vibration from AOD pump operation.



## PP, PVDF, ALU, SS NOOZLE

Dispenser to delivery control and batching.



## VALVES, FITTINGS AND CONNECTIONS IN PP, PVC, INOX



## REINFORCED PVC HOSE

With metal reinforcement for suction/discharge, also food-grade.



## FLANGE CONNECTION KIT

Adapts a pump from BSP type connection to flanges with this kit.

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