



CATÁLOG

◀ METAUX MOTEURS
POMPES INDUSTRIES ▶
SINCE 1937

PUMPS - DOSING - WASTEWATER
DRILLING - WATERING - HEATING -
SWIMMING POOLS - VALVES - FOUNTAIN
MAINTENANCE - INSTALLATION

▼
**INDUSTRY
PROCESS**

MM
METAUX MOTEURS
POMPES INDUSTRIES





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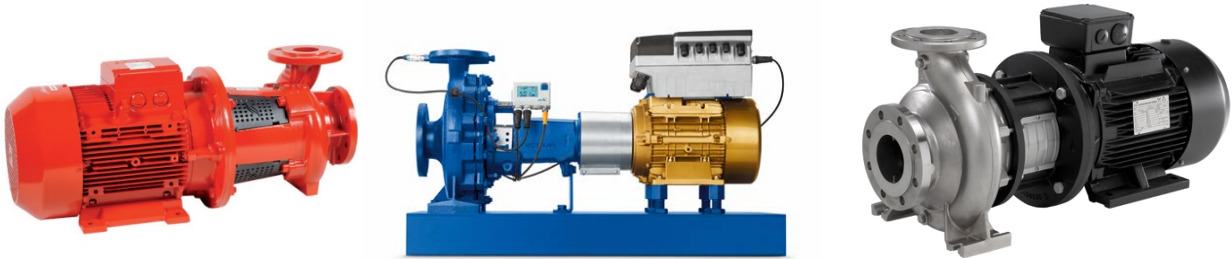
MAINTENANCE

23-24



CENTRIFUGAL PUMPS I

STANDARD PUMPS



We are selling pumps such as horizontal, vertical, monobloc, multistage or with coupling. They comply with European and American norms. They get harmonized dimensions to easily maintain and replace them. We supply spare parts and whole pumps from various brands according to the following standards:

EN 733: Pump casing standardization.

ISO 5199: Standardized pump maintenance and security.

ISO 2858: Main standardized dimensions and nominal operating point.

ISO 9908: Standardized installation, pump maintenance and security.

EN 1092-2: Standardized dimensions and circular flanges tolerances.

API 685: Standardized sealed pumps in petrochemical industry.

SELF-PRIMING CENTRIFUGAL PUMPS



A self-priming centrifugal pump is able to evacuate the air from the suction line, thus allowing to pump a fluid when the pump is at a higher height. We are selling a wide range of self-priming pumps for all applications.

PUMPS FOR CORROSIVE FLUIDS

Technical data:

- Max flow: 450 m³/h (1981 Gpm)
- Max discharge: 100m(328 ft)
- Operating temperature -20°C to 100 °C (-4 to 212 °F)
- Thick plastic materials: PP, PVC, PVDF, PP-EL, PVDF-EL
 - Self-priming version
- Standardized casing conform to NFE 44121 ISO 5199, allowed temperatures up to 120°C (248 °F) (Materials: PEHD,PTFE,PE-EL,PFA-EL)
 - Range of single stage pumps
- Pneumatic double diaphragm pump in PP, PVDF, ECTFE with diaphragms in NBR, EPDM, SANTOPRENE, HYTREL/PTFE
 - Vertical submersible pumps in PP & PVDF
 - Explosion proof ATEX certification
- Compliance with ANSI standards: main standards for chemical or petrochemical industries



For aggressive fluids pumps are mainly made of plastic, resisting to corrosive, even abrasive fluids.

MAGNETIC DRIVE PUMPS



Technical data:

- Flow from 0,5 to 2500 m³/h (2,20 to 11007 Gpm)
- Max Total head 900 m (2953 ft)
- Temperature from -120°C to +450°C (-184 to 842 °F) without cooling the pump
- Materials: stainless steel 316, TFE, GFRPD, CFRETFE, PFA, PVDF, Iron, Hastelloy, Titanium, Uranus, Ceramics matrix composite
 - Possible Teflon coating
- Certifications: ATEX, API 685
- Dimensions complying with ANSI B73.1 norms

Magnetic drive pumps are used for corrosive and sensitive fluids. The magnetic drive makes impossible to leak through the pump and avoid corrosion problems.

BOOSTER PUMPS

Technical data:

- Max flow: 1080 m³/h (4755 Gpm)
- Max discharge: 230 m (755 ft)
- Booster sets from 2 to 6 pumps
- Booster balloon and anti-ram
- Several accessories available on order (see accessories)



The booster pumps put and maintain pressure water distribution networks especially for irrigation or drinking water supply. ACS certification is supplied if required.

WASTEWATER PUMPS

Technical Data:

- Max flow: 1300 m³/h (5724 Gpm)
- Max discharge: 100 m (328 ft)
- Max immersion: 20 m (66 ft)
- Granulometry until 100 mm (0,0033 ft)
- Max temperature accepted: 60°C (140 °F) (90°C (194°F) for a less than 3 min duration)
- Materials available: Stainless steel, Bronze, Cast iron
- Option with different types of flow switches
 - Accessories adaptable to uses
 - Explosion proof ATEX Certification
- Full range of pumps for aggressive fluid or oil
 - Vertical group possible
 - Iron models with grinding impeller



Wastewater pumps are mainly used for draining (wells, garages, basements, etc.), but also for saltwater or mud. Several wastewater pumps apply for building and industry.

Control & protection panel

This panel allows the microprocessor management of wastewater pumps or dry pit pumps. With IPAE measuring probe for clear and waste water.



VACUUM PUMPS



Technical data:

- Max flow 30 000 m³/h (132086 Gpm)
- Max operating pressure 12 bar (174,045 psi)
- Max absolute vacuum possible < 0.001mbar (1,45e-5 psi)
- Special ranges for gases

Vacuum pumps are used to extract air or any other gas into a closed enclosure. There are various vacuum pump technologies. We mainly distribute radial vacuum pumps, paddle pumps, liquid ring pumps and side pipe pumps.



VOLUMETRIC PUMPS

FOOD, BEVERAGES & PHARMACEUTICAL PUMPS



Technical data:

- Max flow: 1 400 m³/h (6164Gpm)
- Max discharge: 160 m (525 ft)
- Available temperature from -10°C to +120°C (14 to 248 °F) (150°C (302 °F) peak)
- Gaskets: FPM, FFKM, PTFE, EPDM
- Aseptic flanges DIN 11864 and 11864-2 standards according to ATEX; EHEDG; standard 3A certification
- Meet standards: EN12462; EN733; EN22858; EN10204



The food industry pumps are specially conceived to prevent the fluid from being disturbed by the pump. The most used material for parts in contact with the fluid is AISI 316L stainless steel, specially treated for food fluids. Pumps for the pharmaceutical industry meet the highest safety standards.

- Sine rotor pumps with low shear action for fluids with a viscosity of 1000 to 8000 cP.
- Lobe pumps, where the lobes have a suitable coating for application and allow a smooth transfer of the liquid with a seal of very high quality and with a reversible direction of rotation.
- Range of pumps with special booster impeller, with flow rates up to 40 m³/h (176 Gpm), and a 40m (131 ft) total head max available in stainless steel AISI 316L or in bronze. Holds solid particles.

ELECTRIC DIAPHRAGM PUMPS



Technical data:

- Max flow : 45 m³/h (198 Gpm)
- Max discharge: 15m (49 ft)
- Engine power from 0.37Kwh to 6 Kwh (0,5 to 8 hp)
- Various diaphragm materials: neoprene, dutral, hypalon, viton, nitrile rubber, non-toxic rubber, non-toxic silicone.
- Self-priming diaphragm pumps

MECANICAL DIAPHRAGM PUMP

Technical Data:

- Maximum flow: 45 m³/h (198 Gpm)
- Maximum discharge: 70m (230 ft)
- Diaphragms in 7 different materials: PTFE, Neoprene, Buna N, Santoprene, EPDM, Hytrel, Viton
- Options: Split manifold/PTFE Coating
 - Pump air pressure between 1.4 and 7 bar (14.5 to 101.5 psi)



DIAPHRAGM PUMPS

Double diaphragm or pneumatic double diaphragm pumps are designed for applications where abrasive liquids or suspended solids are involved.

CAVITY PUMPS

Technical Data:

- Max flow: 500 m³/h (2201 Gpm)
- Max pressure: 72 bars (1044 psi)
- Available temperature between -10°C and 3100°C (14 to 5612 °F)
- Materials: Iron, Stainless steel, Duplex, Superduplex
 - Certification: API676,ATEX, EHEDG, normes3A
 - Vertical model or a wide groove



Cavity pumps are ideal for the treatment of sludge or aggressive and shear-sensitive mixtures. These pumps have a very high suction capacity and are known as self-priming.

SCREW PUMPS



Technical data:

- Max flow: 4500 m³/h (19813 Gpm)
- Max pressure: 100 bars (1450 psi)
- Max available temperature: 350°C (662 °F)
- Max viscosity: 1 000 000 cSt

Screw pumps allow the transfer of highly viscous fluids. This type of pump is used in the pharmaceutical, chemical and food industry.

GEAR PUMPS



Technical data:

- Max flow: 360 m³/h (1585 Gpm)
 - Max discharge: 200 m (656 ft)
- Max available pressure: 20 bars (3626 psi)
- Max temperature : from -40°C to 300°C (-40 to 572 °F) for HT versions
- Used for high viscosity products : 50 000 cSt
- Materials: Iron, stainless steel, bronze
- Mechanical seals materials: ceramics, graphite, viton, single normalized or double normalized
 - Seal ring or optional braid trim
- Certification: ATEX, API676 Self-priming version



Gear pumps transfer viscous fluids. They are used in cosmetic, food, pharmaceutical industries. Moreover they are used for oils, grease. Or fluids with very high viscosity without solids in suspension. This technology makes a silent pumping.

This range of vane pumps are for viscous fluids that are abrasive or corrosive.

Special range CHOCOLATE in 316L stainless steel to avoid the caramelization phenomenon for chocolate.

PERISTALTIC PUMPS

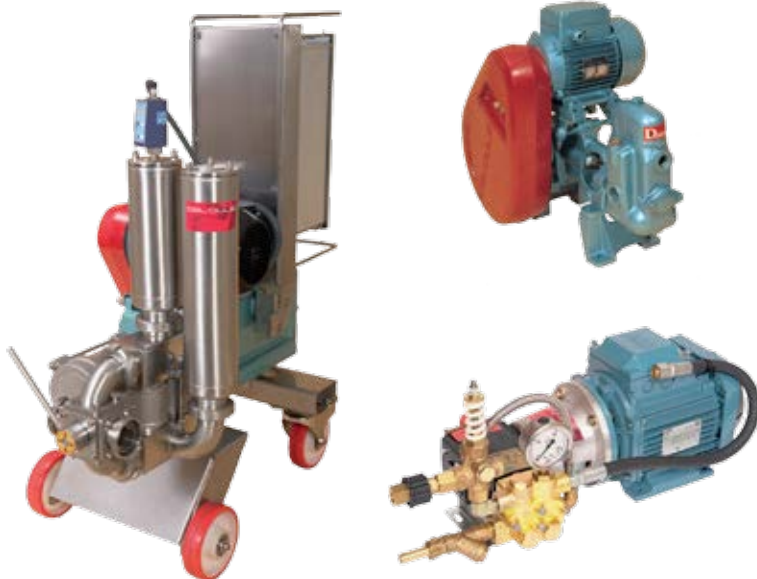
Technical Data:

- Flow rates from 3 l/h to 90 m³/h (0.013 to 396 Gpm)
- Max pressure: 16 bar (232 psi)
- Fixed or variable speed pumps.
- Model of peristaltic metering pumps for injection with standard precision.



Peristaltic pumps have a tube in the body of the pump. After compression, the tube allows the suction of the fluid. The fluid is only in contact with the tube thus preventing contaminations. Peristaltic pumps are widely used in the food and pharmaceutical fields and for the treatment of sludge.

PISTON PUMPS



Technical Data:

- Max flow: 4500 l/h (20 Gpm)
- Max pressure: 250 bars (3626 psi)
- Max available temperature: 100°C (212 °F)
- Materials: bronze, cast iron, brass, with ceramic piston
- SPECIAL WINE RANGE: 80m³/h (352 Gpm) flow until 2 bars (29 psi) in bronze and stainless steel 304 or 316.

Piston pumps are designed for many applications such as high pressure, high pressure cleaning with cold or hot water, or wine industry.

DOSING PUMPS

Technical data:

- Digital dosers with stepper motor for very precise dosing
- Flow until 1200 l/min (317 Gpm)
 - Max pressure admissible: 70 bars (1015 psi)
- Temperature between -40°C and 93°C (-40 to 199 °F)
 - Max pressure possible of 1000 bars (14504 psi)
(With temperature from -60°C to 300°C (-76°F to 572 °F))
- Materials: cast iron, stainless steel 316 SS or 316 L, PVC, PVDF, ALLOY 20, ALLOY C22
- Diaphragm materials: PTFE, PVDF, PVC, stainless steel 316, PEEK
 - Ring materials: AFLAS, Viton, EPDM
 - ATEX certification and compliance with API 675 standards



Dosing pumps are designed for various applications like treatment, water conditioning, chemicals dosing products or fertilizer.

- Range of hydraulic diaphragm metering pumps (max pressure: 200 bar)
- Range of mechanical diaphragm metering pumps
- Numerous accessories (measurements, regulation, sensors ...)

HYDRAULIC DOSING PUMPS



Technical data:

- Proportional hydro-motor dosing pumps specialized in hydraulics
 - Flow from 30 l/h to 2500 l/h (0.13 to 11 Gpm)
- Pressure from 0.5 bar to 9.5 bars (7.25psi to 138 psi)
- Dosing between 0.025% and 20%
- Temperature between 1°C and 38°C (34 to 100 °F)
- Application for cleaning, disinfection, breeding, phyto treatment ...

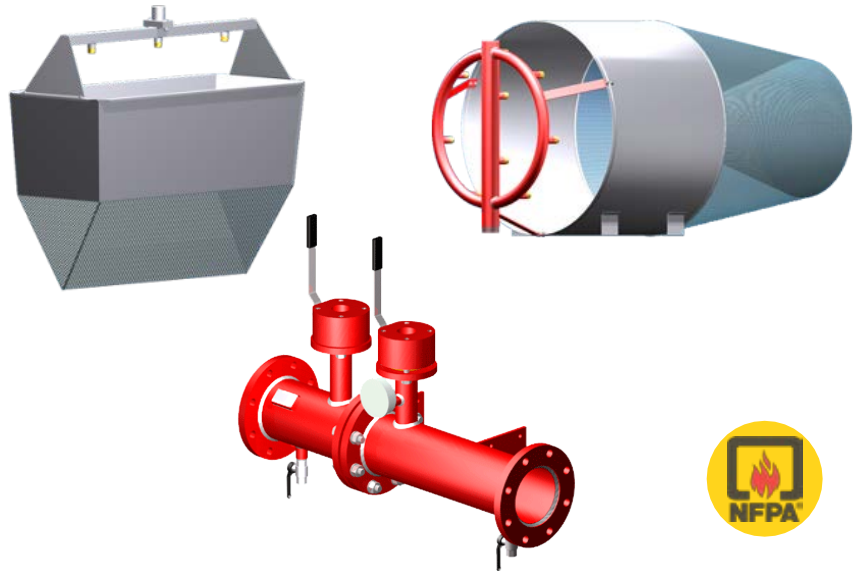


FIRE FIGHTING IN INDUSTRIAL ENVIRONMENT

FOAM GENERATOR

Technical Data:

- Flow from 65l/min to 500l/min (17 to 132 Gpm)
- Admissible pressure between 3 and 7 bars (43,5psi to 101,5psi)
- Different optional connections
 - Available accessories: sprayers for specialized applications (petrochemical type), pan tail nozzle, tank proportioner....
- Compliance with NFPA11 and EN 13565-2 standard

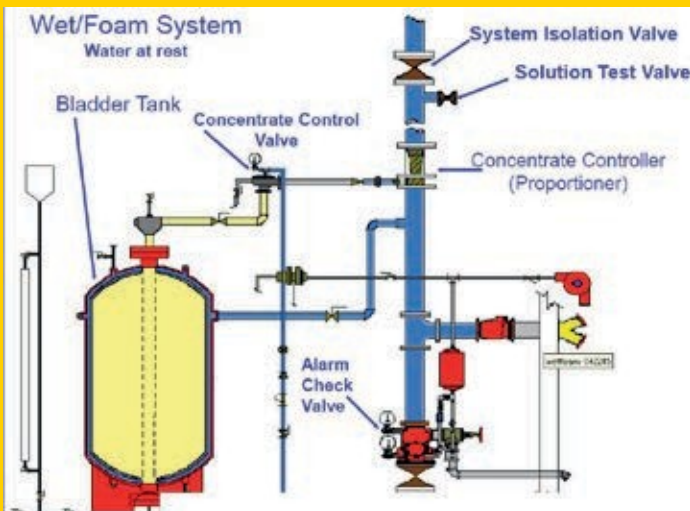


TANKS

Technical Data:

- Capacity tanks: 200l to 20 000l (53 to 5283 Gallon)
- Admissible temperature between -10°C and 50 °C (14°F and 122 °F) at 16 bar (132 psi) maximum
 - Compliance with ANSI and DIN standards

Assembly Diagram



FIRE BOOSTER PUMPS

Technical data:

- Max flow: 1100m³/h (4843 Gpm)
- Max discharge: 350 meters (1148 ft)
- Fire booster pumps comply with following fire standard: APSAD R1; NFPA; FM/UL; VDS; LPCB; UNI; CNBOP; VN II OR; CCCF and PSB



Fire booster pumps must be able to operate at the very decisive moment and definitely transport the extinguishing fluid in case of fire. They are used for sprinkler, fire installations.



AGITATION MIXERS



Technical data:

- Propeller diameter available between 180mm and 3600mm (0,59 and 11,8 ft)
- Engine running from 22 rpm up to 1400 rpm
- Propeller in stainless steel or composite material
- Body materials: cast iron, 316L SS or 304L SS, PVDF
 - Explosion proof ATEX certified
- Mixers have many accessories for flexible installation
 - Submersible shaker, lateral or pendulum, with single or double propeller
 - HALAR coating possible

Mixers apply for processes such as water treatment, farm industry, food, chemicals or abrasives products.



MISCELLANEOUS

GAS & DIESEL PUMPS



Technical Data:

- Max flow: 2590 l / min (684 Gpm) (1080 l/min (285 Gpm) for 2-stroke engine)
- Max discharge: 110 m (360 ft) for Hp model
- Materials: stainless steel, melting, luminum, bronze
- Gasoline and diesel engine
- Optional electric start on some models
- Accessories: trolley, lances ...

The gas and diesel pumps are equipped with a 4-stroke engine but some models are available with a 2-stroke engine. They are used for clear water or mud applications, high pressure but also for aggressive liquids with a thermoplastic range.

HAND PUMPS

Technical Data:

- Max flow 6.3 m³/h (26,4 Gpm)
- Materials: cast iron, 316 stainless steel, brass, bronze
- PTFE Seal
- ATEX certification possible



The hand pumps are intended for a wide range of applications, from domestic to industrial or chemical purposes. These pumps can be pendulum, diaphragm, piston, rotary or semi-rotary.

DRUMP PUMPS



Technical data:

- Max flow: 243 L /min (64.2 Gpm)
- Max discharge : 25 m (82 ft)
- Max viscosity : 20 000 mPa
- Immersion max: 1 200 mm (3,9 ft)
- Permissible temperatures between -30 ° C and 140 ° C (-22 and 284 °F)
- Certifications: ATEX, 3A standards, food standards
- Various materials: PP, stainless steel, PVDF, aluminum, HC.
- Accessories: pistol, flowmeters, counters in stainless steel or plastic ...



Drum pumps transfer liquids from drums or containers. They pump very viscous, aggressive, abrasive, flammable or food liquids.



ACCESSORIES

REDUCED & FULL BOREVALVES



We sell a wide range of valves for conventional uses but also petrochemical, gas and cryogenics application (up to -196°C ($-320,8^{\circ}\text{F}$)).

STANDARD:

Design: ISO 17292

Flanges: ASME B16.5 RF

Length: ASME B16.10

Upper flange: ISO 5211

Tests: ISO 5208

Fire safety: ISO 10497 & ANSI/API 607

OPTION:

- API 6D
- Possibility of FBE/ECTFE internal coating
- Metal Closure – Metal
- Support ball DN6" to DN8"
- Special range GAS with reduced passage or Full ASME B1.20.1 & ASME 17292 compliant for connections
- Available in cryogenic service up to -196°C ($-320,8^{\circ}\text{F}$)

PINCH VALVES



Technical Data:

- Materials: cast iron, aluminum, PVC, cast steel 216, 352, 316L steel
- Sleeves: neoprene, natural rubber, anti-abrasion, non-toxic gum, EPDM, viton, butyl, nitrile, hypalon, silicone, neoprene /silicone (mix)
- Service pressures: from 2 to 6 bar (29 to 87 psi)
- Fluid temperature: -5°C to 80°C (23 to 176°F)
 - Diameter: DN20 to DN300
 - Manual controls, pneumatic or electrical

The sleeve valves that we are selling can be adapted to food, acids / bases, fluids abrasives or powders.

VALVES



- Anti-pollution valve for water
- Single or double flap valve
- Ball, flanged or tapped valve
- Diaphragm valve
- Cast iron, stainless steel, brass-bronze disc valve

MANOMETERS



- For low & very high pressure
- Materials: polyamide, stainless steel, aluminum
- Electrical contact manometer
- Special range for food & corrosive fluids
- Dry manometer or filled with glycerin

INDUSTRIAL METERING

- ACS compliance
- Volumetric counter DN25 to DN65
- Single or multiple jet counter
- Pulse counter for enslavement, dosing
- WOLTMANN type counter DN50 to DN500



SPEED VARIATORS



- Speed variator without control cabinet
- Variator for refrigeration application
- Variator for application related to water
- Variator linked to asynchronous motors and permanent magnets

TANKS PRESSURE AND TANKS EXPANSION



Technical Data:

- Tank up to 2 000 l (528 US Gallon)
- Operating temperature: -10 ° C to 100 ° C (14 to 212 ° F)
- ACS certified bladder tank
- Horizontal or vertical tank

The booster tanks maintain pressure in the installation when no flow is requested, enabling protection against pressure variations. The expansion tanks maintain under pressure, pipes subject to variations of temperature according to the water expansion.

WATER TREATMENT, DRINKING WATER

Effective disinfection solutions are available using the UV-C technology, ecological and economical to make well water / boreholes drinkable but also for industrial waste water and fight against chloramines in public swimming pools.



BORE-HOLE PUMPS



Technical data:

- Flow rate from 1.2 m³/h to 900 m³/h (4.4 to 3963 Gpm)
- Max manometric discharge 850 mCL (2789 ft)
- Permissible fluid temperatures between -5 °C and 60 °C (23°F to 140 °F)
 - Motor power up to 370 KW (496 hp)
 - Pumps from 3 " to 22 "
- Materials: AISI 304 steel, AISI 316 steel & ASI 904L, cast iron, bronze
- Possible immersion up to 150 meters (492 ft) and 350 meters (1148 ft) for some models
 - Vertical axis series
- Compliance with ISO 9906 level 2B & 3B specifying the tests
- Option: engine oil bath and water bath
- Option: monitoring system and order

Drilling pumps can pump fluids for many applications, including groundwater supply, water treatment and irrigation facilities. We offer you extensive ranges of drilling pumps to cope with your enquiries.

CIRCULATION PUMPS

Technical data:

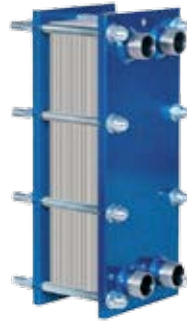
- Max flow rate: 3000 m³/h (13209 Gpm)
 - Max discharge: 170 m (558 ft)
- Max operating pressure: 25 bar (363 psi)
- Max temperature: from -20°C to 140°C (-4 to 284 °F)
 - DN 25 to 300
- Compliance with ErP standards 2013 & 2015, standard ACS on request
- Range of self-cooled pumps for fluids up to 350 °C (662 °F), simple in-line range or double, standard horizontal range, single cell range on base
- Many accessories (insulation, regulation...)



Circulation pumps accelerate circulation of hot or icy water for heating and air conditioning or water supply. We have dry rotor circulators where the body is separated from the motor and the wet rotor circulators where the motor is directly cooled by the circulating fluid.

HEAT EXCHANGERS

A wide range of plate heat exchangers, controllable corrugated plates with seals or with stainless steel frame, smooth plate heat exchangers with tabulators, brazed exchangers, assembled exchangers...



Technical Data:

- Plate materials: titanium, stainless steel, special alloys
- Gasket materials: NBR, EPDM, FKM

SWIMMING POOLS & FOUNTAINS

Full range of filtration pumps for swimming pools and ponds, with many accessories and maintenance equipment (Robots, PH +/-, Chlorine, Bromine ...). In addition, we distribute fountains equipment intended both for individuals and town halls, hotels...

Regarding the fountain, we have jet pumps with many decorative nozzles (nozzles up to 80 meters with volcano, geyser, Comet ...). Bright projectors of different colors can be associated with the jets thanks to a DMX remote control system for the lighting and the height of the jets. We conceive dry fountain, wall of water or waterfall (see pictures).

FILTRATION PUMPS FOR SWIMMING POOLS & FOUNTAIN EQUIPMENT:



FOUNTAIN REALISATION:



Fountain Ivory Coast

Oase Fountain

Water Wall

Hotel Border Fountain

AUTOMATIC BAR SCREEN



Technical data:

- Max. Flow: 25 000 m³/h (110071 Gpm)
- Bar Spacing: 10 to 100 mm (0,39 to 3,94 in)
- Width: 800 to 3 000 mm (31,5 to 118,11 in)
 - Max Depth under Installation Plane : 12 000 mm (39,37 in)
- Max. Total Height: 18 000 mm (59 in)
- Discharge Side: Downstream/ Upstream
 - Material: 304L, 316L or mixed
- Electrical Protection: Current Controller

An automatic screen is a machine designed to hold large materials and waste of all kinds contained in wastewater. It is a pre-treatment wastewater device, which enters the liquid / solid separation process. The waste is always stopped by a grid, but it is cleaned automatically by the screen, which collects solids, and discharges directly into a hopper or a screw transport / compaction. This allows optimal screening in all circumstances, at low or high flow rates, and avoids staff having to perform this operation.

POLYMER DOSING SYSTEM

Technical data :

- Flow rate ranges up to 18,000 l / h (79 Gpm)
- Nearly maintenance-free peristaltic pump for liquid polymer dosing
- Easy and fast connection: all you need is a supply of water, liquid polymer and electricity
- Depending on the application, it is possible to connect a tank with agitator and dosing pump if the maturation time is insufficient
 - Automatic control
- Flameproof mixing device for an efficient production of polymer solution



Circulation Inline preparation station of polymer for the treatment of liquid polymers. If the ripening time is not sufficient for specific applications, a ripening tank with an agitator and a dosing pump can be installed downstream. There is also another dosing system for powdered polymers.

DESALINATION



Technical data:

- Permeate flow rate max 50 m³ / h (220 Gpm)
 - Salt content up to 5000 mg / l
 - PH range 3.0 ... 10.0
- Total hardness water must be chemically stabilized
- Content in germs max. 100 KBE / ml
 - Clogging index max: 3
 - Free chlorine 0,1 mg / l
 - Sum Fe, Mn 0.2 mg / l
 - Turbidity max: 0.5 NTU
 - CSB max: 5 mg/l

Complete installation for reverse osmosis for modern desalination of seawater. Maximum permeate flow at low operating pressures for reduced investment and operating costs.

DOSING SKID

Technical data:

- Flow rate: up to 400 l/h as standard (1,76 Gpm)
- Maximum allowable pressure: up to 64 bar (928 psi) as standard.
- Dosers (depending on model): 316L stainless steel, PVC, PVDF, PP, filled liquids. Other materials on request.
- Possibility to have frequency inverters and activators.



Skid-mounted pumps (chassis-mounted) • Injection skid with storage tank Compact, modular and complete solutions, ideal for storing, dosing and injecting reagent solutions. Piping • 316L stainless steel or PVC-C Storage tank • 316L stainless steel or HDPE

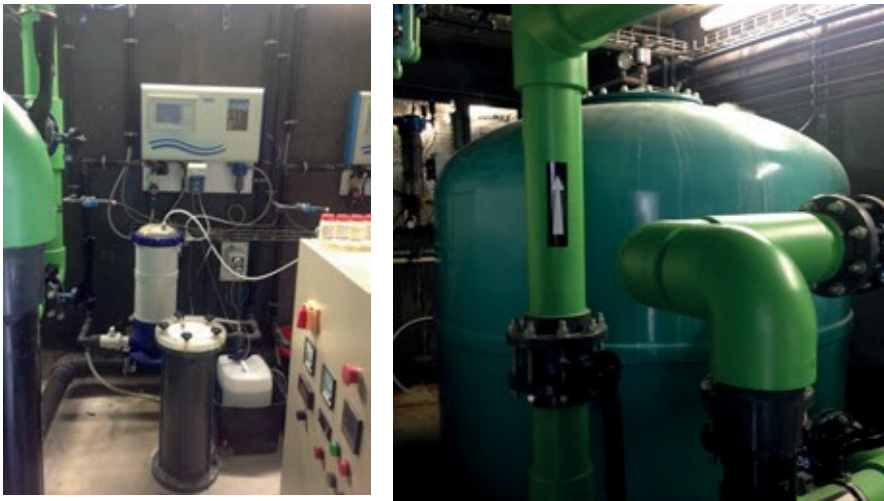
MAINTENANCE

Our Maintenance & Installation department offers you all our knowledge for installing and commissioning your equipment, but also for executing preventive and curative maintenance on site.

We can quickly and efficiently intervene on irrigation, dosing, booster, sanitation, drilling, heating, swimming pool, valves, fountains, industry installation.

Please find below some of our achievements in pictures:

MAINTENANCE & MANAGEMENT OF SWIMMING POOL OF SPORTS CENTER / CO-OWNERSHIP:



INDUSTRIAL DOSING PUMPS REHABILITATION:

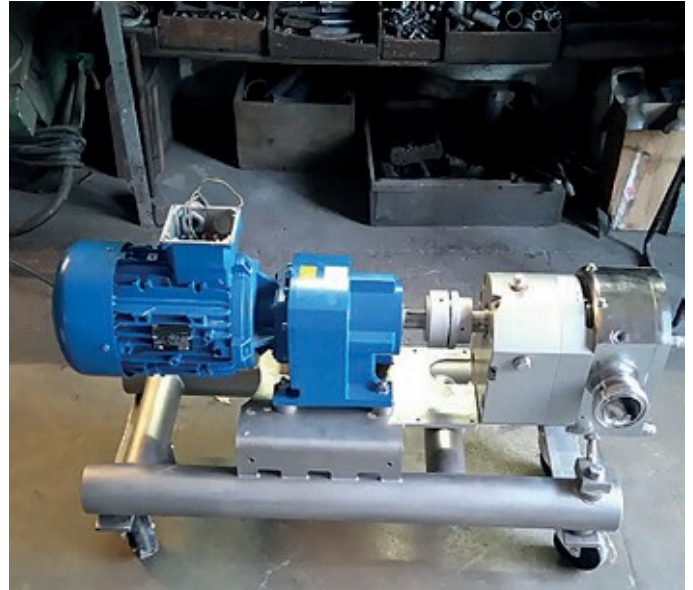


MAINTENANCE

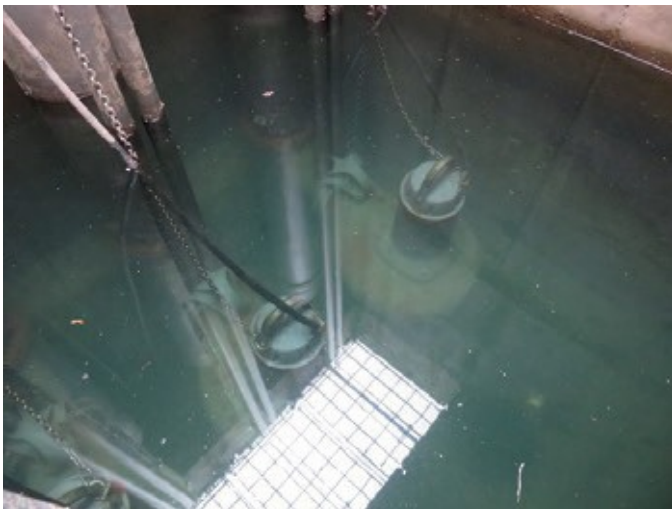
GETTING STARTED WITH
REPORT ON INDUSTRIAL SITE:



ASSISTANCE IN COMMISSIONING
OF AGRO-FOOD PUMPS:



MAINTENANCE OF RAINWATER
OR WASTEWATER STATION:



FOUNTAIN APPROVAL WITH
CALCULATIONS PLACEMENT
AND TESTS:



Technical Manager: Miss CAROLINE BRUNEL

Email: cbrunel@metauxmoteurs.com

Hotline: 04 91 02 55 76 (transfer to mobile on opening hours)

Working hours: Monday to Friday 8am – 12am & 1h30 pm – 4h30pm

LOSSES CALCULATION

DN in inch	DN nominal	DN external
1/8"	5	10,3
1/4"	8	13,8
3/8"	10	17,2
1/2"	15	21,3
3/4"	20	26,7
1"	25	33,7
1"1/4	32	42,2
1"1/2	40	48,3
2"	50	60,3
2"1/2	65	73
3"	80	88,9
3"1/2	90	101,6
4"	100	114,3
5"	125	141,3
6"	150	168,3
8"	200	219,1
10"	250	273,1

Flow m ³ /h	Pipe Nominal Diameter (DN)												
	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"	
0,2	15	3											
0,5	100	20	5	1									
0,7	200	40	10	2									
1	400	80	24	5	2								
1,5		170	50	10	5	1							
2		300	90	20	9	3							
3			210	45	22	6	2						
4			320	76	35	10	5	1					
5				130	60	18	7	2					
6				170	80	25	10	3					
7				250	120	35	13	3					
8				330	140	45	17	5	1				
9					190	57	21	6	2				
10					230	70	25	7	2				
12					330	100	35	10	3	1			
15						150	53	16	5	2			
20						260	88	28	8	3	1		
25						440	138	44	13	4	2		
30							188	63	19	6	2		
40							325	112	33	11	4		
50								175	52	17	7	1	
60								250	73	24	10	2	
70								340	102	33	13	3	
80									134	43	17	4	
100									210	68	26	6	
150										153	58	12	

NOTA: Loss expressed in mmCE; valid for new pipes.

EXPORT DEPARTMENT

Actually we are dealing with specialized companies based in Ivory Coast, Senegal, Algeria, Morocco, Tunisia, Libya, Ghana, Republic of Benin, Cameroon, Gabon, Congo, Equatorial Guinea, Djibouti, Madagascar, Mauritius, French Polynesia, West Indies...

Our CIF quotations include services from reliable forwarders, technical details and "plug and play" systems with pumps and appropriate fittings.

We work with the biggest freight forwarders in sea or air freight from all ports or European airports.

CUSTOMER ACCOUNT OPENING REQUEST

COMPANY

I, the undersigned (NAME-FIRST NAME):

Acting as:

1 – IDENTIFICATION

Legal form:..... Capital:

Company name:..... Acronym:

The head office:..... Company activity:

The company is: Owner Tenant (strike out the useless mention) Number:

Establishment address:

Delivery address (if different):

Intra-Community VAT number (mandatory):.....

Phone Number: Mobile Number: Fax:

E-mail:.....

2 – COMMERCIAL VOLUME: €

3 – DEADLINES AND TERMS OF PAYMENT:

DOCUMENTARY CREDIT / BANK TRANSFER / (cross out the useless mention(s))

Require the opening of a customer account according to the modalities above and the general conditions that I declare to accept, including the clause of ownership reservation. I certify with the accuracy of the above information.

Made in, the

COMPAGNY STAMP:

SIGNATURE:

Need to attach: bank account statement;Company registration certificate.

ESSENTIAL INFORMATION:

In your company, accounting is followed by: Ms, Miss, Mr.

Address:

Phone Number: Fax:..... E-mail:

Domiciliary bank :

Name of your bank account manager:

Fax: E-mail:

FURTHER INFORMATION:

For all orders: indicate the sales order number or a site reference, attach your sales order to the invoice, no need of reference.

Must the delivery slip be encrypted? YES NO (cross out the useless mention(s))

Invoicing is done: - For each purchase of material, delivery, order

- Overall (**only 1 invoice** per month, all orders combined)

Usual suppliers:





Address: BP 219-
13308 MARSEILLE Cedex 14 FRANCE

Delivery address:
164, bd de Plombières
13014 MARSEILLE FRANCE

Phone: (00 33) (0)4 91 02 53 50
Fax : (00 33) (0)4 91 02 76 36

Maintenance : (00 33) (0)4 91 02 55 76
Email : info@metauxmoteurs.com
www.metauxmoteurs.fr

**Export service based in
ABIDJAN - IVORY COAST**

Export : (00 225) 89 82 59 26
Email : export@metauxmoteurs.com
www.metauxmoteurs.com