



PERMO and Industry

We design your water systems



Water is getting scarcer and yet it is essential for Life, It remains more than ever indispensable for numerous industries. Against that vital strategic background, all depends on the intelligent treatment of our precious resource.

PERMO, a pioneer in that field, has developed over the last 80 years products meeting the increasingly demanding conditions of professionals and offers talented support for the complex upgrading of industrial processes.

Numerous innovations have thus been introduced leading to enhanced reliability and safety with optimised costs.

Many customers now support us and we have signed long-term partnerships with a large number.

However, that does not mean we can rest on our laurels. As water is a limited resource and must remain accessible to everyone, we have to continue on the road of innovation to find new treatment solutions that are more efficient and more environment friendly.

With its 300 strong team, PERMO undertakes to continue its ongoing research to offer you even more coherent solutions, a higher degree of specialist advice and a greater reaction capability. Taking into account, naturally, your financial and production related challenges, whatever your field of activity.

To understand our cultural values, our fields of expertise and operating mode, we invite you to find out more about PERMO in the pages below. Water treatment is our « raison d'être » and you might find it interesting. Good reading!

Dominique BOUCLY

Managing Director



PERMO has designed and put in place point-of-use water treatment equipment for more than 80 years. That invaluable experience gained over time has enabled us to develop increasingly cost-effective equipment. Our expertise, recognized throughout the world, is now underpinned by our capability of anticipating expanding industrial needs and technological progress to ensure our user customers are offered exceptional quality of services and products.

PERMO and Water Treatment... a contract

PERMO's force is not only backed by its excellence and the availability of teams but also on the latter's strengthened and homogeneous presence throughout the country. More than 300 staff, an HQ and a factory in the Paris region and fifteen regional offices in major centres enable us to effectively cover the whole country. By calling on PERMO you can depend on a local, fully customized service.

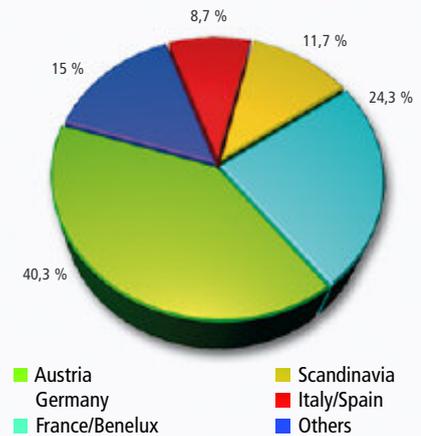
A MULTI-SECTOR PRESENCE

All manufacturing industries that use water for their process or service needs generally require the equipment or water treatment chaining system at point-of-use. PERMO is currently acknowledged as an enterprise of reference by some of the most demanding industrial sectors not least of which are the energy industries.

ONGOING WILLINGNESS FOR RESEARCH

PERMO's capacity to innovate is backed by its long close-to-user experience and thorough knowledge of the industrial sector. Point-of-use water treatments indeed require total mastery of processes in such a way that the installation satisfactorily integrates production flows. Two integrated design offices now work in close collaboration with our customers. Their missions: to develop components and equipment called upon to be the standards for tomorrow and to design the engineered systems for industrial projects, right through from draft design to implementation and optimisation.

**BREAKDOWN OF GROUP
TURNOVER BY STATE**



INTERNATIONAL REACH...

PERMO is part of Europe's leading point-of-use water treating group BWT (Best Water Technology) presently bringing together more than 2500 co-workers in Europe to which must be added North American, South American and Asian networks. All BWT group companies have specialist businesses related to water treatment.

Geographical expansion, especially in eastern European and Asian markets, together with the development of "Point-of-Use" products are two of BWT's declared ongoing goals. With a still favorable economic climate, the BWT group predicts an upward turnover curve in coming years.



Contrary to appearances, water is extremely variable both in composition and utilisation. To meet the quality and volume requirements of the most demanding industrial users in many and varied fields of application, PERMO combines experience, rigour and a capacity for adaptation in a single force. This is seen in PERMO's success in finalising standard equipment and solutions while developing a flexible and reaction capable infrastructure to meet the most specific of industrial user requirements using our innovative and economic custom engineering service.

Water measuring up to your company's needs

RESEARCH AND DEVELOPMENT

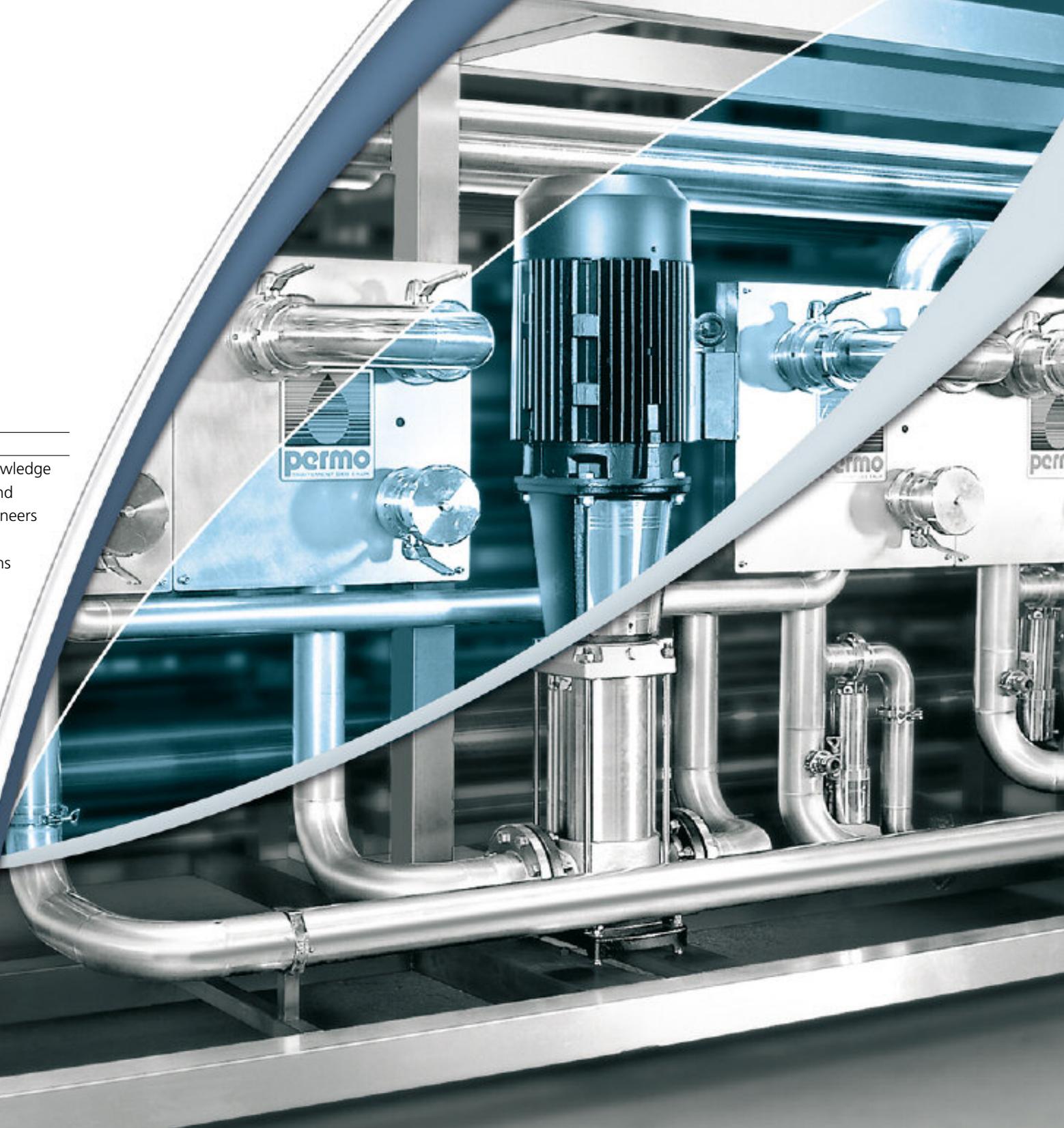
Designing equipment for mass production and studying first rate water treatment chaining systems demand a specific approach. PERMO's two engineering and design offices have specialties, one devoting itself to the development of totally standard components and equipment meeting the demands of water treatment markets, the other consecrated to industrial engineering projects in line with user needs on an individual basis. By combining industrial experience on the one hand with cutting-edge technologies on the other, PERMO is well armed to turn out high performance, reliable, top quality products. Acknowledgement of those qualities by partner and user professionals explains why PERMO is a front runner both in domestic markets and in the export components market.

EXPERIENCE AT THE SERVICE OF MANUFACTURERS...

PERMO's experience is backed by several decades of awareness and response to industrial water treatment needs from any source and of any type. Under that vast heading, PERMO treats underground supplies, surface water, brackish water, sea water, residual water, process water... to supply slightly refined water (service water) or highly specific for very demanding conditions (process water, pure and ultra pure water). When you call upon PERMO you are reaping the advantage of years of experience underpinning an unequalled knowledge of the market and its needs. You are also benefitting from tremendous leaps forward in the research PERMO has carried out on standard components and customized equipment. Lastly, by supporting us you are ensuring a service of excellence everywhere in the country for one of the most vital fluids used by industry - water.

A CONTROLLED QUALITY

Our teams' technical excellence is partly due to in-depth knowledge of current standards in each sector of activity. Appropriate and updated documentary backup ensure that our specialist engineers devote themselves entirely to the qualification of industrial installations. PERMO thus delivers well documented installations accompanied by the appropriate official certification. ISO standards, EC and EC medical system pharmacopoeia and certifications are integrated in projects from the drawing board.



Our solution...

PERMO implements the main water treatment technologies.



Food industry



Medicine
Healthcare



Pharmaceutical
Bio-technologies



Micro-electronics



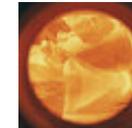
Cosmetics



Chemical
Oil industries



Mechanical work



Metallurgical
Iron and
steel industries

Clarification

pages 8-9

Coagulation, Flocculation, Decantation, Filtration.

Filtration

pages 10-11

Media filtration, Removal of iron and manganese, Remineralization, Membranous filtration.

Membranous techniques

pages 12-13

Microfiltration/Ultrafiltration, Nanofiltration, Reverse Osmosis, Electrodeionisation.

Ion exchangers

pages 14-15

Water softening, Denitratation, Decarbonatation, total Demineralization, Mixed beds.

Elimination of dissolved gases

pages 16-17

Atmospheric degasser, thermal degasser, membrane degasser.

Pure steam Distribution networks

pages 18-19

Distiller - GVP, Storage tanks - Loops - Exchangers, electrolytic Ozone.

Disinfection

pages 20-21

Chlorination, Ultra-violet, Ozone, Chlorine dioxide, Thermal.

Valorisation and treatment of waste

pages 22-23

Waste water recycling, Coagulants/Flocculents, Osmosis waste recycling, Pilot trials.

Formulated products or water conditioning

pages 24-25

ÉRACLÈS

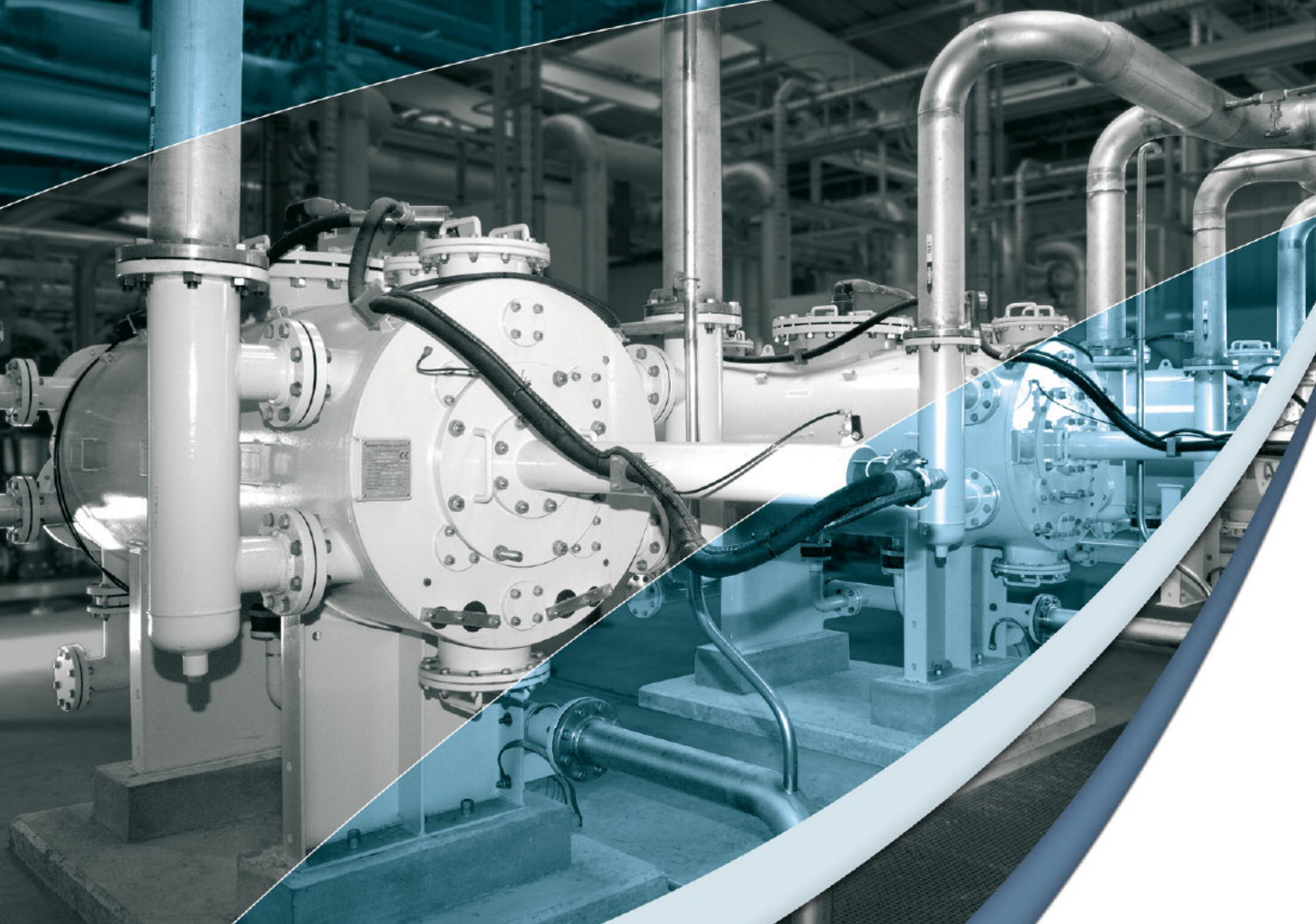
pages 26-27

Standard to customized

pages 28-29

Our customer reference list

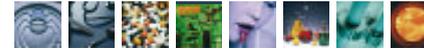
pages 30-31



Pre-treatment makes use of clarification techniques It is a preliminary to any other complementary finishing treatment. It is fundamental to the perennality of complementary treatments.

Clarification

WATER PRE-TREATMENT



Permo sales and technical advisors will offer guidance in the selection and tailoring of the best techniques. Clarification techniques implemented by PERMO ensure you benefit from irreproachable quality throughout the water treatment chain.

COAGULATION

Coagulation consists of neutralizing the colloids present in water causing deposits. It integrates a range of formulated products and appropriate mixers.

FLOCCULATION

Flocculation leads to the agglomeration of fine coagulated solid particles. It also favours the settlement of suspended solids by the addition of specific flocculents.

SETTLEMENT

Another definition of settlement is the sedimentation of suspended particles in water. It calls into play the use of static or lamellar equipment.

SIEVING

The sieving process is used for only slightly loaded water. It eliminates only coarse suspended matter. For manual or automatic defouling sieving filters are adapted to the size of particles to be removed.



Petrochemical industry:
automatic defouling sieving filters.



CWT: lamellar settling vessel.



Flocculating device and lamellar settling vessel.



FILTRE K502 A

FILTRE K502 A

permo

FILTRE K502 A

Eau brute

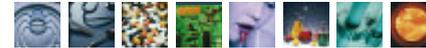
Eau brute

Eau filtrée

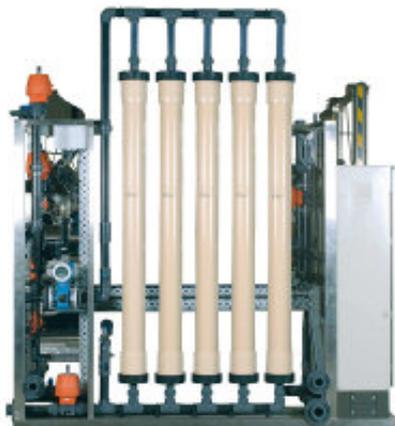
Are designated filtration techniques those treatments aimed at physically separating the water from suspended matter (naturally or induced). PERMO designs and proposes filtration equipment and chaining systems for all flow rates and incorporating highly efficient equipment and automatic operations.

Filtration

WATER PRE-TREATMENT



These techniques, some of which date back to antiquity, are applied to meet industrial needs (bore hole water, industrial water, cooling circuits, slush casting removal, recycling, refining, etc.). Important filtration techniques, mastered by our teams and implemented by our customers, meet a wide range of industrial requirements.



MEDIA FILTRATION

There are different types of media filtration: filtering support or bed, single or multi-layer. Selection of the filtration mode will depend on the quality of the water to be filtered, the conditions of installation and the resources available for washing.

IRON AND MANGANESE REMOVAL

This special filtration application depends on the prior chemical or biological oxidation of the iron and manganese dissolved in the water. It is designed mainly for the pre-treatment of underground sources.

REMINERALIZATION

To correct the aggressive characteristics of certain waters and for certain very special uses, remineralization is a type of filtration with a neutralizing material to enable an increased rate of mineralization. The technique is especially suitable for the treatment of drinking water, underground water and osmosis machine treated water.

MEMBRANAIRE FILTRATION

Filtration membranes can be used for the treatment of water highly loaded with suspended matter such as river water or surface running water. Membranous filtration is defined according to the dimensions of membrane pores as microfiltration, frontal or tangential ultrafiltration.



Potabilisation : unit of remineralization.



Microelectronic : silex filtration.



Food industry : active carbon filtration.



Energy : silex filtration.



Pharmaceuticals: osmosis + electrodeionisation.



Food industry: reverse osmosis.



Micro-electronics: reverse osmosis.



Pharmaceuticals: osmosis + electrodeionisation.

PERMO was a pioneer in the use of membranous separating techniques for the treatment of water. Those techniques play a dominant role in most water treatment processes.

Membranous techniques

WATER REFINING



MICROFILTRATION / ULTRAFILTRATION

A physical form of filtration under pressure through a porous calibrated membrane. It is often used at the pre-treatment or post-treatment stages for the elimination of micro-organisms and pyrogenic substances in ultra-pure water or for compliance treatments of waste.

NANOFILTRATION

Technology derived from membranous reverse osmosis. It is used for the production of drinking water, for softening, desulfurization, elimination of organic pollutants...

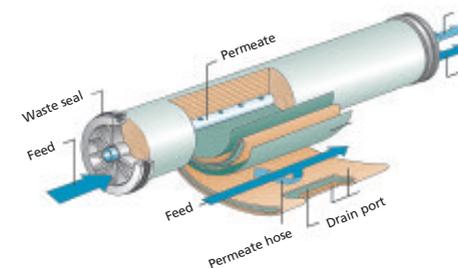
REVERSE OSMOSIS

Molecular separation through a semi-permeable membrane. Reverse osmosis offers a cutting-edge solution for physical, chemical, organic and bacteriological waste water treatment. It is used for the production of ultra-pure water for industrial processes in the areas of micro-electronics, pharmaceuticals, cosmetics, medical engineering and for the desalting of brackish / sea water and the removal of nitrates.

ELECTRODEIONISATION

EDI is a process combining membranous and ion exchange technologies. The association of those two processes allow an ongoing service of ultra-pure water production free of chemical products. The process is especially suitable for the production of water to pharmaceuticals, micro-electronics, medical engineering and power station requirements.

Membranous techniques, by offering a particularly efficient barrier to pollutants, whatever their concentration in the influent water, fully meet the requirements of changing legislation and standards relative to ultra-pure water, potabilisation and waste. Equipment reliability, reduced use of chemical products and the absence of sub-products for process operations makes it a solution particularly appreciated by user industries.



Reverse osmosis membrane.







PERMO is now the undisputed front runner for the design and manufacture of ion exchange equipment. In the area of water treatment, those "resins" take the form of synthetic, gel-like or macro-porous balls.

Ion exchangers

WATER REFINING



The specific characteristics of cationic and anionic resins and the technology of equipment incorporating them offer treatments matching the quality of the water sought in any industrial environment. Softening, decarbonation, total demineralisation, mixed beds ... according to the adopted system, can provide water of very low conductivity.



Close-up of resin.

SOFTENING

Very often used by industry, the process is the elimination of calcium and manganese (limestone). Softening is mainly applied for the treatment of water in steam boiler systems, cooling circuits, process waters, wash waters, and for the protection of water systems against scaling, etc.

DENITRATATION

Similar to softening, denitratation eliminates nitrates borne by underground waters. The technique is used for the production of drinking water by the public sector and the food industry.

DECARBONATATION

Decarbonation is the partial demineralization of water (calcium, magnesium and carbonates). The process is applied in the treatment of steam boiler water systems, cooling circuits, process waters, etc.

TOTAL DEMINERALIZATION

As it can totally eliminate the ions present in water, demineralization is especially suited to the treatment of water in steam and turbo boiler systems, process waters, ultra-pure waters, etc.

MIXED BEDS

This technique is used where waters of a very high physico-chemical quality are required; it is used alone or in parallel with chaining (polishing).



Paper mills : resin softening.



Énergie : mixed beds.



Cosmetics : resin demineralization.



Pharmaceutics: resin demineralisation.



Degassing-capable membrane for osmosis pre-treatments.

Water treatment to a large extent calls upon the exchange phenomena of gases and liquids to eliminate dissolved gases. For instance, carbon dioxide in water being demineralized, oxygen in ultra-pure water or in boiler water, etc.

Elimination of dissolved gases

WATER REFINING



ATMOSPHERIC DEGASSER

The elimination of dissolved gases can be obtained physically or chemically especially through atmospheric or thermal degassing, degassing-capable membranes or by the injection of formulated products.

THERMAL DEGASSER

The pulverization of water in a steam counter current at temperatures close to 105 °C, eliminates almost completely the dissolved gases in the water. Causing the water to be reheated at the same time, the thermal degasser is especially suitable for supplying steam boilers.

MEMBRANOUS DEGASSER

Membrane contactors offer new solutions for industrial processes by implementing technologies based on the exchange of liquids and gases through a membrane. They are especially useful for double osmosis pre-treatments or for electrodeionisation.

The elimination of dissolved gases can be obtained physically or chemically especially through atmospheric or thermal degassing, degassing-capable membranes or by the injection of formulated products.



Chemical industry: atmospheric degassers in demineralization chaining.



Energy: thermal degasser.



Diagram illustrating the cross-section of a degassing-capable membrane.





Pharmaceutics: distiller.

PERMO designs and assembles looped cold and hot or ozone-containing distribution systems ensuring the physico-chemical and bacteriological quality of water right up to point-of-use.

Distillation and Pure Steam Production

DISTRIBUTION NETWORKS



Pharmaceutics: ozone + U.V. + storage and recovery.

DISTILLER - GVP

PERMO offers pure steam generators for the production of sterile and aprogenic steam and multi-effect distillers for the production of water for injectable solutions.

STORAGE TANKS – LOOPS – EXCHANGERS

PERMO has developed the skills authorizing the company to draught and design distribution networks. The choice of quality and materials making up our tanks and networks is tightly linked to the technologies implemented relative to applications and operations.

OZONE PRODUCED BY ELECTROLYSIS

The strong reaction capacity of ozone means that it can effectively destroy micro-organisms and ensure discontinuous or continuous disinfection of storage tanks or distribution loops.

An important aspect of distribution networks is that the design and implementation of all resources required to make water available comply both physico-chemically and microbiologically at points of use: tanks, pumps, exchangers, piping, valves, ozone generators, U.V., pure steam generators, distillers.



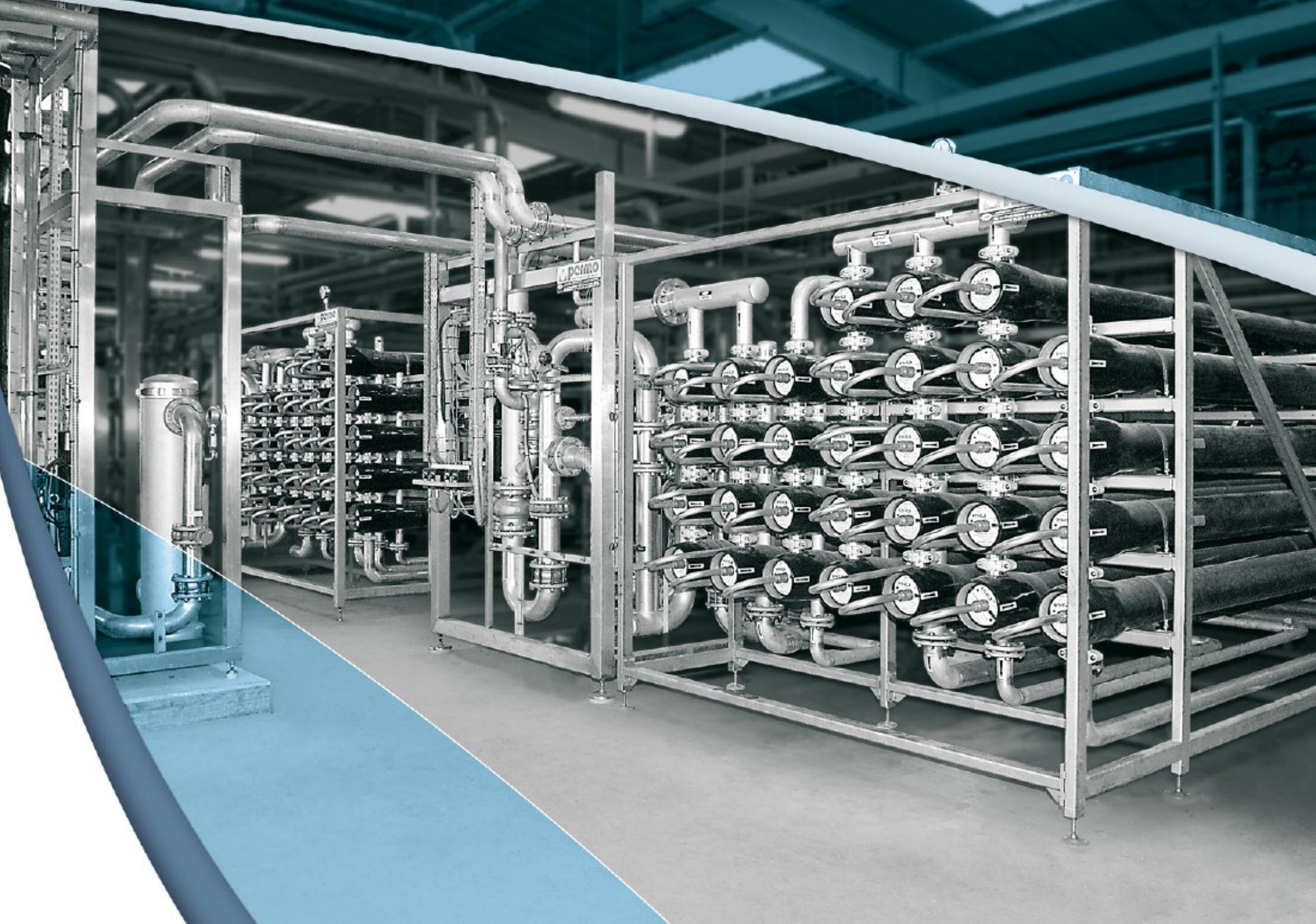
Pharmaceutics: ozone + U.V. + storage and recovery.



Pharmaceutics: ozone + U.V. + cooling.



GVP - pure steam generator.





The reduction or elimination of micro-organism in the water means that biocontamination in circuits or equipment is controlled to meet the conditions of current statutory obligations.

Disinfection

MICROBIOLOGICAL CONTAMINATION CONTROL

A range of resources for the treatment of micro-organisms:



CHLORINATION

The disinfection properties of chlorine induce the destruction of proteins present in bacteria and viruses. The technique is currently used for the treatment of networks.

ULTRA-VIOLETS RAYS

Treatment by UV irradiation is a physical disinfection process making use of the depletion power of micro-organisms.

OZONE

Treatment with ozone is a disinfection process by oxidation. The method is the most powerful of all disinfection and oxidation methods.

CHLORINE DIOXYDE

Belonging to the family of chlorinated products, chlorine dioxide has a wide spectrum of applications at very low doses and for very short periods of contact. Insensitive to variations of pH (6 to 10) it is highly residual and is very effective on biofilms.

THERMAL

Disinfection by raising the temperature is a means of controlling the biocontamination of equipment and networks. The technique uses materials especially designed to tolerate temperatures > 85°C.

Water in industrial environments must be disinfected frequently. That can be performed using ultra efficient techniques including especially chlorine dioxide, ultraviolet rays or ozone. PERMO's water treatment specialist status enables it to offer stand-alone disinfection solutions or backing up other existing processes, depending on the challenges posed.



Bewazon air cleaner ozone generator.



Pharmaceutics: electrolytic CWT ozone generators.



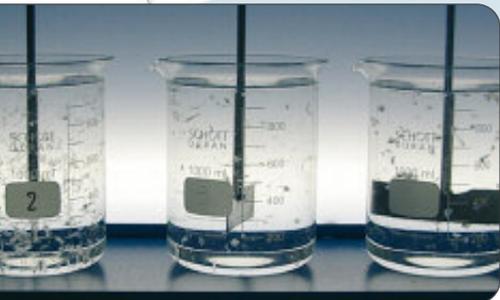
Pharmaceutics: ozone destruction by UV rays.



Aerospace: injection of disinfecting reagents.



Pharmaceutics: thermal disinfection.



Coagulants-flocculents.



Semi-industrial sieve filtration.



Glassworks: filter press.



Neutralization , flocculation and settlement.

PERMO undertakes to develop numerous techniques to help manufacturers meet the challenges posed by industrial waste. chemical oxidation, chemical neutralization, precipitation – settlement, filtration (filter press), membrane techniques.

Valorisation and treatment of waste

PERMO AND THE ENVIRONMENT



WASTE WATER RECYCLING

Our common objectives: to restrict pollution-generating waste from processes through the development and implementation of clean technologies :

- Rinse water treatment (surface treatments, etc.),
- Oil extraction from degreasing baths,

COAGULANTS/FLOCCULENTS

A comprehensive range of products to meet the requirements of the most specific applications.

OSMOSIS WASTE RECYCLING

For osmosis units, PERMO proposes fitting the installations with a system of secondary treatment of waste capable of recovering up to 50% of the osmosis concentrate and of considerably enhancing the operating performance.

PILOT TRIALS

PERMO has mobile resources and a central laboratory facility available to study and define the feasibility of your projects.

Water is a major concern in our modern world. Environment protection has furthermore become an important political challenge and the safeguarding of water resources figures among the priorities of most nations.





Analysis on site and verification.



Air cooling towers.



Printers/paper mills:
hot steam and its treatment.



Formulated products: injection of reagents.

Such treatments enable an enhanced operational life span and reliability of your energy (steam) or cooling production equipment and manufacturing process. They are based on scaling or corrosion inhibitors, on biocides, algicides and on coagulation or flocculation agents.

Formulated products or water conditioning



PERMO PLACES AT THE SERVICE OF ITS PARTNERS A COMPREHENSIVE RANGE OF FORMULATED PRODUCTS FOR THE MOST EFFICIENT TECHNICAL AND ECONOMIC SOLUTIONS IN THE FOLLOWING FIELDS:

- Industrial and public sector cooling circuits,
- Production of white and industrial steam,
- Superheated industrial and public sector water and heating circuits,
- Industrial and public sector hot and cold sanitary circuits,
- Refrigerated water circuits and multi-metal heating circuits,
- Industrial process,
- Waste water treatment.

WATER ANALYSIS IS INDISPENSABLE BOTH FOR STUDY AND CURRENT OPERATIONS PURPOSES - IT ALLOWS:

- Evaluation of water behaviour depending on use,
- Anticipation and prevention of scaling and corrosion,
- Definition and optimisation of the appropriate treatment program,
- Assessment of the performance of the product technique,
- Maintenance of the ongoing quality of water,
- Correction to possible deviations,
- Treatment monitoring and tracking,
- Compliance with makers' and control bodies' recommendations.

Analysis, diagnostic, prescription, advice, economic evaluation, treatment program monitoring, testing service ability of equipment and circuits, corrosion monitoring, bacteriological testing, operational personnel training,...

PERMO's formulated products department offers industry a global strategic approach. Corrosion, scaling or fouling lead to considerable material losses annually, both to industry and the public sector. It is now more than ever indispensable to identify, quantify and correct those risks.



P. 2401

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To meet your conditions, we assure a global service based on Efficacy, Rapidity, Support, Excellence, Leadership, Expertise and Service.

ÉRACLÈS : the support of a Service of Quality

TO ENSURE A LONG-LASTING RELATIONSHIP,
A QUALITY PARTNERSHIP BASED ON MUTUAL SUPPORT.

BEFORE: DURING PROJECT STUDY AND DESIGN

WE DESIGN YOUR INSTALLATIONS FOR TOMORROW

Two design offices and a laboratory are at the service of customers and their requirements to meet two targets: offer a precise, relevant solution matching customers' specific needs and to the best quality/effectiveness/price ratio. To evaluate the prospects of the potential development of future needs of users, by integrating prospects right from the start of the study.

DURING: COMMISSIONING AND QUALIFICATION

FAULTLESS CONTROL TO ANTICIPATE EVERYTHING

Our water treatment installations offer customized solutions entirely in line with customer needs. We design our installations and ensure their qualification to the standards of our industrial customers (pharmaceuticals, healthcare, nuclear, ...). PERMO, your preferred supplier, guarantees the quality of its point-of-use waters.

AFTER : CUSTOMIZED MONITORING

OPTIMAL ACCESSIBILITY TO YOUR INSTALLATIONS FOR BEST MAINTENANCE

Domestic coverage and mobility of PERMO teams backed by modern means of communication mean that they are at your service within convenient time frames. Regional stocks of spares and a central national stock ensure that spares or consumables are readily available at short notice.



ÉRACLÈS is PERMO's new concept for an enhanced service...

You are offered the support of...

More than 100 technicians

30 specialist engineers

16 regional agencies

2 design offices (R&D and engineering)

1 central integrated laboratory

Approved training centres

A central After Sales service and a hotline

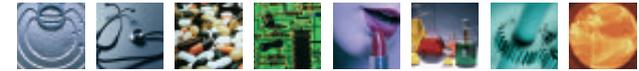
ISO 9001 certification.





Osmosis machines, softeners....

Standard to customized



Sea water desalting plant for the production of drinking water.

The 6000, 7000, 8000 and 9000 models of our prefiltration / softening skids are ready to be hydraulically and electrically connected on site.



The LIFLO floating bed demineralizer is a fully automatic machine preassembled on a treated metallic frame. It incorporates the latest technical upgrades for ion exchange techniques.





SIGMA osmosis machines, developed recently, are mounted with their main components on stainless steel frames. They make up a standard range of 13 machines with a production capacity of 3 to 42 m³/h.

PERMO +

PERMO is currently the only water treatment market supplier whose offering, from the design of equipment through to the maintenance of installations, integrates an uninterrupted chain of excellence combined in a single comprehensive structure of qualified experts and technicians, embracing: auditing, engineering, design, manufacture, assembly, qualification, commissioning, maintenance, spares supply service, conditioning products supply service.

DELTA osmosis machine: the range includes 10 models assembled on a brushed, polished stainless steel frame. They can be adapted for double osmosis operations with flow rates of from 200 to 3400 l/hr.



The MODULO SK unit is a compact process system for the production of osmosis-purified water, ready to be connected, incorporating: pre-treatment by softening, membrane filtration and purification (reverse osmosis). It enables the continuous production of 500 to 1200 l/hr of osmosis-purified water.





Our partners

SNCF-LRBA-FINDUS-L'OREAL
COGNAC COURVOISIER-PANZANI
LABEYRIE-LILLY-CIBA-RATP-SHELL
B.BRAÜN-SHISEIDO-CH LA TIMONE
MARSEILLE-PILKLINTON-S.E.P
ARIANE ESPACE-ANETT-DISNEYLAND
PARIS-GROUPE ACCOR-SCHLUMBERGER
CASTROL-CARNAUX METAL BOX

CANON-HUTCHINSON-RIVADIS
LABORATOIRE LANCASTER-CARGILL
MSD-FUTUROSCOPE-PAUL BOCUSE
THALASSO PORNICHET-GALVAMEUSE
PPG SIPSY-LEHNING SCHICKEDANZ
ARSENAL DE TOULON-THERMES DE
BOURBONNE LES BAINS-ADP ROISSY
AIR LIQUIDE-AKZO NOBEL-ALCATEL
ESPACE-ALSTOM CHANTIERS
ATLANTIQUE-UIOM CHAMBERY
CHI MONTREUIL-RECKITT BENCKISER
RENAULT-ANETT-ATUP

AREVA-SENOBLE-ASTRA ZENECA
AUTOFINA-STALLERGNES
AVENTIS PASTEUR VAL DE REUIL 2004
B.M.S.-CHRU TOURS
PETIT BATEAU-CHU BETHUNE-CEA
BASE AERIEUNE D'ISTRES-BECTON
DICKINSON-FRANCE BOISSONS
BIOLUZ-BLEDINA-BONDUELLE
BOUCHARA RECORDATI-C.H.COLMAR
C.H. DE DOUAI-CACIA-CADBURY FRANCE
C.H.I. DE VILLENEUVE ST-GEORGES
PASTEUR-CAILLAUD-CAMPARI FRANCE
MIROIR D'EAU BORDEAUX
SKYE PHARMA-CHU ST-ETIENNE
MOET & CHANDON-VALEO

MUSEE DU LOUVRE-NESTLE-CANDIA
CEDILAC-DALKIA-CARDINAL HEALTH
CENTRE HOSPITALIER LONS LE SAUNIER
INDENA-CHARLES-CH AUXERRE
CH AVIGNON-SYCTOM GIEN
CH DE LAON-CH DE SAINT DENIS
CH DE ST NAZAIRE-CH DE ST QUENTIN
CH DU MANS-CH FRANCOIS QUESNAY
CHAINE THERMALE DU SOLEIL
CHI TOULON-CHIMIOTECHNIC
CHU CLERMONT FERRAND
CHU DE ROUEN-CHU POITIERS
CENTRE HOSPITALIER DE GAP-MERIAL
CHU PURPAN-SALINS DU MIDI
CLIMADEFWEST PHARMACEUTICAL
HOPITAL DE SEDAN-TECHNOCENTRE
RENAULT-CLS REMY COINTREAU



COLGATE PALMOLIVE-CHU DIJON
CHU POITIERS-DAILYCER
CHU BETHUNE-DANONE-DELPHI
DERMOPHIL INDIEN-DIESTER
INDUSTRIE-DISTILLERIE BOLOGNE
DISTILLERIE DE LA GROIE-DUNLOP
EDF-ELIS-EMIN LEYDIER-ENERTHERM
ESSILOR-SPPH-EXPANSIA PCAS
FAPROGI-FAPROGI ADOUCISSEMENT
2005-SCHERING PLOUGH-SCHNEIDER
PROCESS-CHR ORLEANS-MERCK
CHRU LILLE-FEDERAL MOGUL-LACTALIS
SOPROGEM-FLAMEL-FRANCAISE
DE MECANIQUE-UIOM DE DIGNY
GALDERMA BIOT-GEORGIA PACIFIC
GRAND MARNIER-GROUPE HOSPITALIER
PELLEGRIN-GSK-GUERBET-LEVER
FABERGE-LIPHA-HEINEKEN-HENKEL
HOPITAL AJACCIO-MASSEY

ST MICROELECTRONICS-ISOCHE
LAMPE BERGER-SANOFI PASTEUR
HOSPAL-EURODISNEY PARIS
LES SOURCES DE ST-HIPPOLYTE
HOPITAL DE MARTIGUES-HOPITAL
LA TIMONE-EXCEL VISION
HOPITAL LARIBOISIERE -HOPITAL
ST ANTOINE-HOPITAL ST JOSEPH
MARSEILLE-SNECMA-HOPITAL
STE MARGUERITE-HOTEL INTERCONTINENTAL
INNOTHERA-INTERSPRAY-ISOVER
KLEBER-LA FIEE DES LOIS-WYJOLAB
LA PIE QUI CHANTE-TOTAL-TOYOTA
LABORATOIRE BOIRON-UIOM SARCEL
LES-LABORATOIRE DELPHARM
LABORATOIRE DU VAR-LABORATOIRE
LA ROCHE POSAY-LABORATOIRE 3M
SANTE-LABORATOIRE AGUETTANT
THERMULIS-LABORATOIRE SERVIER
LABORATOIRES VETERINAIRES

MARSEILLE-YVES ROCHER
LAITERIE ST DENIS DE L'HOTEL
FERGUSON-MARINE NATIONALE
MC CAIN-M.H.S-MICHELIN
NOVASEP POMPEY-ORANGINA SIGNES
ROQUETTE-ORGANON-PCA ORLEANS
PIERRE FABRE MEDICAMENT
PROCTER ET GAMBLE-PSA PEUGEOT
CITROEN-PUM REIMS-RHODIA ACETO
ROCHAS-SAGEM-SAINT GOBAIN
SAIPOL-SAREN-SIMAFEX-SOLLAC
ARCELOR-SOREBIO-STELMI-SYCTOM ISSY
LES MOULINEAUX-THALASSO
QUIBERON-U.E.M. METZ-GENERALE
SUCRIERE-PFIZER-CHU ST-ETIENNE
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