

*Optimising coolant
condition for a better
environment*



Specialists in the filtration and purification of industrial fluids.

Lubriserv has been developing and supplying high-quality systems for the treatment and purification of industrial water for many years. We specialize in the filtration and extraction of polluting tramp oils, offering an excellent and wide range of products for industrial oil separation. Research and development in the energy-saving sector for the production cycle, along with customization for each specific need, ensure a comprehensive service for optimizing production and disposal for every machine or plant.

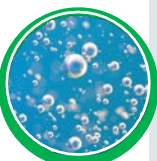
Range




Volumetric mixers

Tramp oil separators

- > Coalescing oil separators
- > Disc oil separators
- > Rope oil separators
- > Belt oil separators



Oxygenation

- > Oxygenators

Industrial filtration

- > Cartridge filtration
- > Filter cloth filtration
- > Magnetic filtration



Water treatment

- > UV lamps
- > Magnetization
- > Softeners
- > Reverse osmosis

ON DEMAND

Centralised systems

- > Topping up systems
- > Centralized systems
- > pH and conductivity sensors
- > Machine management app

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VOLUMETRIC MIXERS



Precision mixer for emulsifiable oils, coolants, high precision in mixing percentage, high flow rate, easy installation, and operation. By means of a piston dosing pump in steel driven by water pressure, the preset amount of product to be mixed is injected into the water. The mixing percentage is ensured even in the presence of variations in water pressure, temperature, or density of the liquid to be mixed. It does not require electrical connections.

ECO12

Component Features

Hydraulic motor body, adjustment cylinder, and attachment collars made of Acetalic Resin. Piston body made of PP. Hydraulic piston made of stainless steel AISI 303. Bottom of hydraulic motor body and adjustment knob made of anodised Aluminum. O-Rings made of Viton. Thermowelded stainless steel protective box for mounting. Inlet-outlet connections made of aluminum with valve. Water filter 150 µm. Pressure reducer 4 BAR. Hydraulic pressure gauge. Metal-Flex suction tube of 150 cm, equipped with quick coupling with check valve and Viton O-ring, and stainless steel filter.

Technical Specifications

Adjustable concentration percentage from 1% to 10%
Minimum flow rate from 15 to 1600 liters/hour
Water pressure from 0.7 to 8 BAR
Self-priming

ECO 12-S



ECO 12-C



MXP 11015

Ideal for: Animal husbandry, fertigation, car washing, water treatment, mechanical processing, chemical industry

- Easy and fast installation
- Hydraulic power supply
- Simple maintenance

Technical Specifications

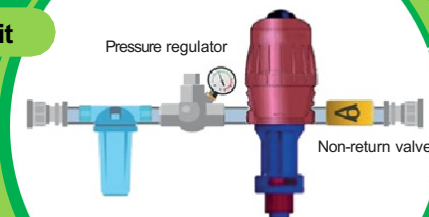
Adjustable concentration percentage from 1% to 10%
Minimum flow rate from 10 to 2500 liters/hour
Water pressure from 0.3 to 6 BAR
Self-priming

MXP 11015



Tired of spending money on *disposals, maintenance, and machine downtimes?*

Accessory kit

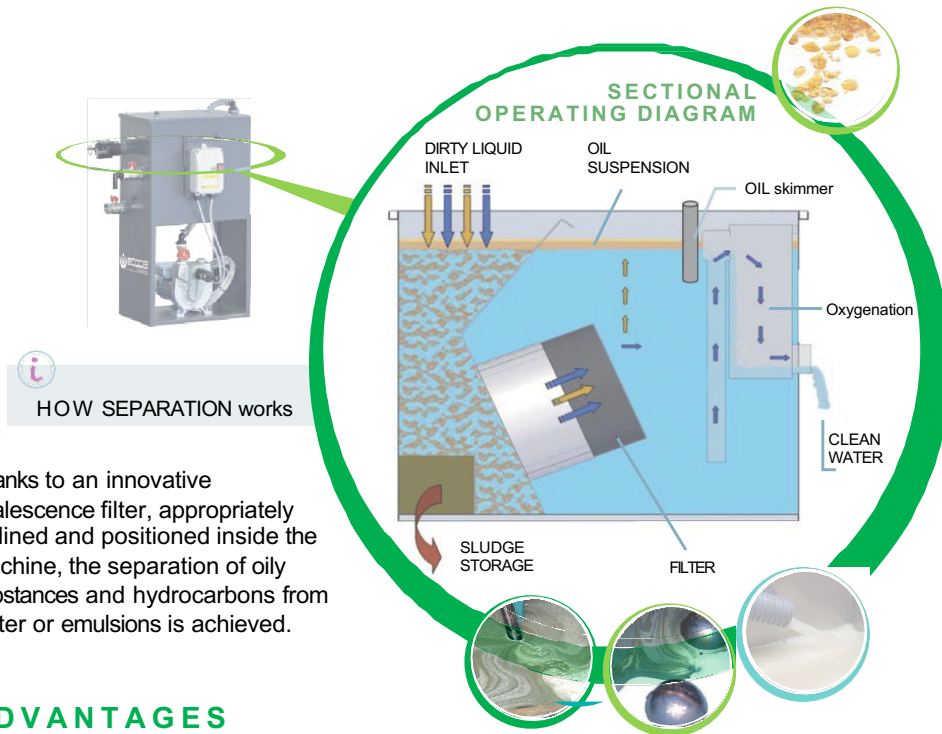




Coalescing oil systems



The **LUBRICLEAN EL series** originates from the industrial application of a **filtration** process developed **for reducing** the concentration of **hydrocarbons** in wastewater and washing water.



Thanks to an innovative coalescence filter, appropriately inclined and positioned inside the machine, the separation of oily substances and hydrocarbons from water or emulsions is achieved.

ADVANTAGES CONTINUOUS PURIFICATION

- **LOWER DISPOSAL COSTS** - The use of these specific products allows only foreign oils to be discharged, minimizing waste volumes; these oils, considered spent, are collected free of charge by the COOU (Used Oil Mandatory Consortium).
- **REDUCTION OF BACTERIAL LOADS** - Continuous treatment of the cutting fluid allows recirculation and oxygenation, drastically reducing colonies of anaerobic bacteria, which, together with stagnation, cause dermatitis and foul odors.
- **HIGHER EFFICIENCY OF THE LUBRICANT** - Treated cutting fluid has the following advantages: maintaining its qualities intact for a longer time; avoiding the replacement of the entire charge; reducing tube and nozzle encrustations; improving pump efficiencies; keeping the work area cleaner with lower maintenance costs.
- **LOWER TOXICITY OF EVAPORATIONS** - The filtration system used in our machinery allows the return of an emulsion containing oils and hydrocarbons, generally not exceeding 10 parts per million (ppm). The equipment removes not only the floating oil on the surface but also the oil mixed with the liquid, thus preventing the latter from coming into contact with the work area, generating unhealthy vapors.



Coalescing oil systems

LUBRICLEAN EL300

FIXED

Fixed system

Maximum flow rate: 300 l/h
Dimensions: 300x250x250 mm (H)
Electric and pneumatic supply

LUBRICLEAN EL600

SMALL OIL SEPARATOR WHEELED

Mobile system

Ideal for tanks up to 300 liters capacity
Maximum flow rate: 600 l/h
Dimensions: 400x550x1000 h - Weight: 30 kg
Power supply: 220V
Installed power: 0.44 kW
Available with pneumatic pump

LUBRICLEAN EL1800

STANDARD OIL SEPARATOR WHEELED

Mobile system

Ideal for multiple tanks up to 3000 liters capacity
Maximum flow rate: 1800 l/h
Dimensions: 500x750x1185 h - Weight: 60 kg
Power supply: 220V
Installed power: 0.44 kW
Available with pneumatic pump

LUBRICLEAN EL2700

LARGE OIL SEPARATOR WHEELED

Mobile system

Ideal for multiple tanks up to 5000 liters capacity or for centralized tanks
Maximum flow rate: 2700 l/h
Dimensions: 500x1100x1185 h - Weight: 100 kg
Power supply: 220V
Installed power: 0.75 kW
Available with pneumatic pump





OIL SEPARATOR by disk, rope, belt



FLUID OIL SEPARATORS by belt



The Ecode line of oil separators provide a simple, advantageous, and economical solution to problems caused by the presence of oil and residues in the lubricating and cooling emulsions of machine tools. LUBRISERV oil separators extract used oil and various processing residues and channel them into a collection container.

ADVANTAGES

SAVINGS: Cleaned emulsion lasts longer and is disposed of in smaller quantities.
NO OPERATIONAL COSTS: The degasser only requires regular cleaning of mechanical parts and oil conveyors.
INCREASED YIELD AND DURABILITY OF WORKING FLUIDS
DELAYED MACHINERY WEAR
BETTER QUALITY OF PROCESSED PRODUCTS
REDUCTION OF OPERATOR IRRITATION RISK
BETTER WORKING ENVIRONMENT QUALITY due to the reduction of malodorous fumes.

CUSTOM CONSTRUCTIONS

Custom constructions are available for all models upon specific customer request.

DISC

Component Features

Structure made of stainless steel, aluminum, and PVC. Plexiglass or stainless steel disk. Single-phase geared motor with outgoing power cable, without plug. Connectable to the edges of the tank using fixing screws. Compressed air oxygenation system. ON/OFF indicator light. Safety notifications - CE conformity

Technical Specifications

Power supply: Single-phase geared motor

	DISC 300	DISC 500
Disk diameter	320 mm	500/520 mm
Immersion depth	Approx. 115 mm	Approx. 220/240 mm
Extraction capacity	3-5 liters	h 5-7 liters/h
Total height	350 mm	550 mm
Total length	410 mm	610 mm
Total width with oil scraper	284 mm	284 mm
Weight	6 kg	10 kg



ROPE

Component Features

Structure made of stainless steel, aluminum, and PVC. Rubber foam rod. Single-phase geared motor with outgoing power cable, without plug. ON/OFF indicator light. Connectable to the edges of the tank using fixing screws. Handle for easy transportation. Safety notifications - CE conformity.

Technical Specifications

Power supply: Single-phase geared motor 230V - 50Hz - 8.43rpm - 0.1A
 Tube diameter 15 mm
 Standard tube development 2000 mm.
 Custom sizes available upon request
 Extraction capacity (emulsion management) 3 liters/h
 Stainless steel structure height 250 mm
 Stainless steel structure length 200 mm
 Total width with motor 180 mm
 Weight 5 kg



MINI

Component Features

Structure made of aluminum, stainless steel, and PVC. Polyurethane belt. Epicyclic gear motor protected from dust and accidental impacts. Adjustable speed. Universal clamp for anchoring to the tank edge. Handle for easy transportation. LED operating indicator. Safety notifications - CE conformity

Technical Specifications

Power supply 230V - 50 Hz
 Gear motor 12V - 5.5 W
 Output speed adjustment 3.5V - 12V
 Immersion depth 300 mm
 Belt width 25 mm
 Extraction capacity (emulsion management) 3 liters/h
 Total height 410 mm
 Motor dimensions 80x170 mm
 Weight 5 kg



BAND 12/24V

Component Features

Structure made of aluminum, stainless steel, and PVC. Polyurethane or PVC belt. Epicyclic gear motor protected from dust and accidental impacts. Adjustable speed. Automatic belt tensioning mechanism. Compressed air oxygenation system. Universal clamp for anchoring to the tank edge. LED operating indicator. Safety notifications. CE conformity

Technical Specifications

Power supply 230V - 50 Hz
 Gear motor 12V - Max Power 5.5 W.
 Output speed adjustment 3.5V - 12V or
 Gear motor 24V - Max Power 25 W.
 Output speed adjustment 9V-24V
 Belt width 25/50/100 mm.
 Immersion depth 300/400/500/600 mm.
 Extraction capacity (emulsion management) 3-7-10 liters/h
 Total height 410/485/575/900 mm.
 Maximum length of upper part 340 mm.
 Weight 5/7/8/10/12 kg



BAND 230V

Component Features

Structure made of aluminum, stainless steel, and PVC. Polyurethane or PVC belt. Single-phase gear motor with outgoing power cable, without plug. Wider motor body free from tensioners to facilitate the passage of any muddy substances. Automatic belt tensioning mechanism. Compressed air oxygenation system. Handle for easy transportation. Universal clamp for anchoring to the tank edge. ON/OFF indicator light. Safety notifications - CE conformity

Technical Specifications

Power supply 230V - 50 Hz
 Single-phase gear motor 230V - 50Hz - 5.22 rpm - 0.1 A
 Immersion depth Starting from 300 mm. On request
 Extraction capacity (emulsion management) 5-7-10 liters/h
 Total height Depending on the required immersion depths
 Maximum length of upper part 260 mm
 Maximum width of upper part 150 mm
 Weight 5-15 kg





OXYGENATION

Why can emulsifiable oil smell bad?

How to control bacterial contamination while gaining health and saving money.

Oxygenation of emulsions prevents the phenomenon of decay, resulting in the development of bad odours, sludge, and irritation of the hands of operators.

The LUBRISERV OX range, through the creation of micro oxygen bubbles, oxygenates the lubricating and cooling emulsion in the tanks of machine tools, preventing the formation of anaerobic bacterial colonies (which develop in the emulsion in the absence of oxygen). Oxygenating emulsions prevents the development of unpleasant odours, the formation of fungi and sludge, irritation for operators, and premature aging of the emulsion.

OX ECO

Electric Oxygenator OX ECO

The oxygen air pump is small in size but has great power to generate an additional reaction to the water. With advanced air compression technology and strong pressure, the pump emits a ton of air bubbles through two air intakes and provides abundant water circulation. With a rated power of 2 watts, this pump is energy-efficient and does not overheat during operation.



OX PRO

Pneumatic oxygenator



OXL

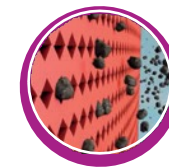
Oxygenator with cartridge filter

The White model combines oxygenation with filtration. Oxygenation prevents the formation of bacterial charges, fungi, and bad odors. The filter cartridge stops particulate matter present in the tank. Filter cartridges are available from 50 to 500 microns in washable wire mesh.



INDUSTRIAL FILTRATION

Cartridge-based



Choose your filtration grade

The Lubriserv IF series is designed to meet the needs of removing impurities from emulsifiable waters and whole oils. Filtration is achieved by passing the liquid through filter bodies. The IF series allows **filtering of any solid particle present**, and the filtration grade can be chosen directly by the customer.

ADVANTAGES

**THE OPTIMUM FILTRATION,
AT THE LOWEST COST**

Ideal for: Milling machines, Lathes, Grinding machines, Gear cutting machines, Grinders, Electrical discharge machining, Quenching tanks, Washing tanks, Hydraulic power units. Higher efficiency in minimal space

- AUTOMATIC SYSTEMS
- CONTINUOUS WORK 24/7
- EXCELLENT FILTRATION QUALITY

IF 02

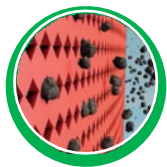
Single cartridge
Stainless steel
Flow rate: up to 7200 liters/hour
Filtration: up to 5 microns
Dimensions: 600x400x1150h



IF 04

Double cartridge
Stainless steel
Flow rate: up to 10,000 liters/hour
Filtration: up to 5 microns
Dimensions: 600x400x1150h





INDUSTRIAL FILTRATION *Flatbed, Magnetic*

Greater performance, in less space

The new series of flatbed filters incorporates innovative operating principles that ensure high efficiency and simplified management, reducing paper consumption by at least 2/3 while occupying approximately half the space of a common paper filter. They are all made of sturdy galvanized sheet metal (stainless steel available on request) and consist of: a frame with an inclined perforated slide on which the filter media rests, a dragging and rewinding system for the fabric, a float, a pendulum scraper for sludge separation, and an exclusive system for extraction and resetting of the filter roll.

They are suitable for all machine tools, metalworking, and the filtration of emulsions and whole oils with a maximum viscosity of 20 cSt at 40°C.

ADVANTAGES

CONTINUOUS PURIFICATION

They are suitable for: all machine tools, machining of metals, the filtration of emulsified products and neat oils having a maximum viscosity of 20 cSt at 40°C.



HIGH LEVELS
OF FILTRATION



LOWER FABRIC
CONSUMPTION



MINIMUM
DISPOSAL COSTS



VERY SMALL
DIMENSIONS

Carpet filtration



INDUSTRIAL FILTRATION *Flatbed, Magnetic*

EASY

Sheet filtration

The purifiers of the Easyband series represent the simplest and most versatile solution for filtering metalworking fluids. They are the result of meticulous research that combines traditional elements of fabric purifiers with an innovative concept of design and construction. Suitable for all metalworking machines, they purify emulsions and whole oils with a maximum viscosity of 20° cSt at 40°C, with flow rates ranging from 50 to 500 liters per minute. Depending on the fabric used, the filtration degree varies from 10 to 60 microns.



SERIE K

Magnetic filtration

The "Kalamit" series of magnetic purifiers for metalworking fluids is suitable for all metalworking machines, aimed at separating magnetic particles from emulsions and whole oils with a maximum viscosity of 20°cSt at 40°C, with flow rates ranging from 30 to 500 liters per minute.



ET 300

Encumbrances: 760x1010x510h
Tank capacity: 135 Lt/min
Emulsion flow rate: 25-60 Lt/min
Flow rate whole oil: 10-30 Lt/min

ET 500

Encumbrances: 960x1310x510h
Tank capacity: 240 Lt
Emulsion flow rate: 60-100 Lt/min
Flow rate whole oil: 30-50 Lt/min

ET 700

Encumbrances: 1250x1810x510h
Tank capacity: 465 Lt/min
Emulsion flow rate: 100-170 Lt/min
Flow rate whole oil: 50-85 Lt/min

ET 1000

Encumbrances: 1620x1810x510h
Tank capacity: 610 Lt
Emulsion flow rate: 100-250 Lt/min
Flow rate whole oil: 50-125 Lt/min

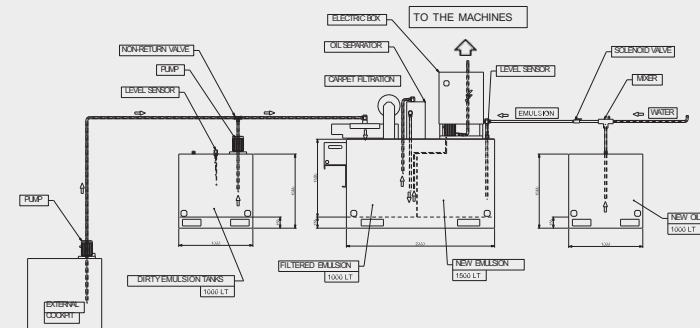
ET 1200

Encumbrances: 2050x1810x510h
Tank capacity: 770 Lt/min
Emulsion flow rate: 250-350 Lt/min
Flow rate whole oil: 125-175 Lt/min

ET 1500

Encumbrances: 2000x1810x610h
Tank capacity: 1150 Lt
Emulsion flow rate: 250-500 Lt/min
Flow rate whole oil: 125-250 Lt/min

CENTRALISED SYSTEMS



Thanks to the experience gained in the sector, LUBRISERV'S strength lies in finding, in synergy with the client, the best formula to create and provide a true "turnkey package". LUBRISERV designs integrated systems for the collection and treatment of metalworking fluids. These systems are studied and optimized to maintain the emulsion and oils within the parameters required by the customer.



OIL SEPARATORS
Separates foreign oils from the emulsion and water by passing through a coalescence filter.



FILTRATION
Stops particulate matter through flushing in magnetic, paper, and cartridge systems;



AUTOMATION
The programmable logic controller (PLC) automatically manages the plant.

CUSTOMIZE YOUR SYSTEM

Thanks to the combination of various components, the following customised solutions can be realized:

- AUTOMATIC REFILL SYSTEMS
- CENTRALIZED PLANTS
- STORAGE AND PURIFICATION ISLANDS
- ADDITIONAL TANKS FOR MACHINE TOOLS



The combination of these processes prevents the formation of **fungi** and anaerobic bacteria by reducing the stagnation of the emulsion, **dermatitis**, **unpleasant odors**, and **fumes** resulting from machining due to the presence of foreign oils. By **eliminating suspended particles in emulsions**, there is a **greater surface** yield of manufactured parts, **reduced tool consumption**, and **fewer maintenance interventions** on the systems. The entire process is automated to simplify management operations.



CENTRALIZED SYSTEMS

EMSULSIONS

INDUSTRY 4.0

HYDRAULIC OILS

INDUSTRIAL WASHING MACHINES

EXAMPLE OF A CENTRALIZED PLANT FOR EMULSIONS

The loading pumps send the emulsion to a first stage of filtration with magnetic and/or paper systems. The cutting fluid is then separated before being automatically pumped to the machine tools. The PLC panel manages pumps, sensors, machinery, solenoid valves, and dosing units completely automatically. This minimizes the operator's intervention. These systems ensure that the emulsion remains in excellent condition, significantly reducing maintenance and disposal costs, cutting fluid consumption, tool wear, and keeping the tanks always at the right level with filtered and separated liquid.

Benefits:

- Reduced maintenance costs
- Reduced disposal costs
- Lower consumption of cutting fluid
- Improved efficiency of the cutting fluid
- Reduced tool wear
- Healthier working environment
- Lower operating costs

ACCESSORIES CENTRALISED SYSTEMS

LASER SENSORS

CONTROL UNIT FOR PH AND CONDUCTIVITY READING

DIGITAL FLOW METER

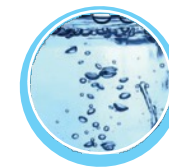
DOSING PUMP

ANALOG FLOW METER



Coolant emulsion is made up of
95% Water
 Treat it well !

WATER TREATMENT with industrial water softeners



In both domestic and industrial use, a high concentration of limestone in water can lead to costly and inconvenient issues. The process of water softening occurs through an ion exchange between sodium ions, held on specific resins, and calcium and magnesium ions present in the water. This process converts hard water into softened water. Once all sodium ions have been exchanged, the cycle is complete. To restore the efficiency of the resins, regeneration is necessary using sodium chloride (table salt). For water intended for domestic use, the hardness of the softened water should not fall below 15° French, and during the regeneration process, which should occur at least every 4 days (as specified in DM No. 443 of 21/12/90), a specific disinfectant solution must be used.

The main applications of CLK water softeners are:

- Production of drinking water in the food industry.
- Production of feed water for steam generators and cooling towers.
- Production of water for medium-sized laundries and dye works.
- Production of water for industrial processes.

The main advantages of a CLK series system are essentially:

- Simple and safe construction and operation.
- Easy and immediate installation.
- Brine draw regeneration.



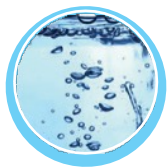
Also available
 in DUPLEX
 configuration.

ENECLKV 1 "

Models CLKV 1"	Scope (mc/h)	Resins (lt)	Cycle (mc/°F) - (30°F)	Salt (kg)	Hookup In-Out / Unload / Brine	Cylinder inlet with valve Ø ₁ / H ₁	Brine vat Salt (lt) / Ø ₂ (mm) / H ₂ (mm)	Weight (kg)
15	0.6	15	82.5 - 2.3	2.4	1" / ½" / ⅜"	200 / 1100 mm	75 / 340 / 890	30
20	0.8	20	110 - 3.1	3.2	1" / ½" / ⅜"	200 / 1100 mm	75 / 340 / 890	40
25	1.0	25	137.5 - 3.9	4.0	1" / ½" / ⅜"	250 / 1100 mm	75 / 340 / 890	50
40	1.6	40	220 - 6.2	6.4	1" / ½" / ⅜"	250 / 1400 mm	75 / 340 / 890	60
50	2.0	50	275 - 7.8	8.0	1" / ½" / ⅜"	250 / 1600 mm	150 / 530 / 750	70
75	3.0	75	412 - 11.7	12	1" / ½" / ⅜"	350 / 1600 mm	150 / 530 / 750	85
100	4.0	100	550 - 15.7	16	1" / ½" / ⅜"	360 / 1900 mm	200 / 530 / 1000	95

ENECLK 1 " ½

Models CLK 1" ½	Scope (mc/h)	Resins (lt)	Cycle (mc/°F) - (30°F)	Salt (kg)	Hookup In-Out / Unload / Brine	Cylinder inlet with valve Ø ₁ / H ₁	Brine vat Salt (lt) / Ø ₂ (mm) / H ₂ (mm)	Weight (kg)
100	4	100	550 - 15.7	16	1"½ / 1" / ⅜"	360 / 1900 mm	200 / 530 / 1000	130
125	5	125	687.5 - 19.6	20	1"½ / 1" / ⅜"	410 / 1900 mm	200 / 530 / 1000	155
150	6	150	825 - 23.5	24	1"½ / 1" / ⅜"	410 / 1900 mm	200 / 620 / 1060	180
200	8	200	1100 - 31.4	32	1"½ / 1" / ½"	540 / 1900 mm	500 / 940 / 970	230
300	12	300	1650 - 47.1	48	1"½ / 1" / ½"	610 / 1800 mm	1000 / 1100 / 1410	330
350	13	350	1750 - 59	55	1"½ / 1" / ½"	610 / 2000 mm	1000 / 1100 / 1410	360



WATER TREATMENT with industrial water softeners

Natural osmosis involves the passage through a semi-permeable membrane of more diluted solutions towards more concentrated ones. By applying pressure higher than osmotic pressure, the flow is reversed with the passage of pure water from the more concentrated solution. The water obtained in this way will be free from dissolved mineral salts, bacteria, microorganisms, and all suspended solid substances.

The main applications of membrane technology are:

- Production of drinking water.
- Production of feed water for steam generators and humidification systems.
- Production of water for the pharmaceutical, electronic, and food industries.
- Production of water for industrial processes.
- Purification, reuse, wastewater, and technological water.

The main advantages of a reverse osmosis system are essentially:

- Simple and safe construction and operation.
- Low operating costs.
- No interruptions for regeneration.
- No use of caustic soda (NaOH) and hydrochloric acid (HCl) for resin regeneration.
- No need for wastewater treatment, thus total absence of treatment plants.

Reverse osmosis is currently the safest and most environmentally friendly water desalination technique.

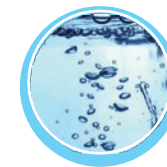
WRO

WRO series systems are compact and pre-assembled on a tubular stainless steel frame, complete with double cartridge pre-filtration inside plastic filter containers, a high-pressure pump with brass pallets, a minimum pressure switch, and an electrical panel for fully automatic operation controlled by a magnetic float level sensor. For reverse osmosis plant models WRO 20, 30, 50, calculate a power consumption of 0.25 kW, while for models WRO 70, 140, and WRO 200, calculate a power consumption of 0.57 kW. Only for models WRO 70, 140, 200, we recommend adding a pair of flow meters.



Models	Production (lt/h)	Production (lt/g)	System recovery	Membrane Rejection	Engine power	Dimension HxLxD (cm)
WRO30	30	450	20%	96-98%	245 W	42x40x30
WRO50	50	750	35%	96-98%	245 W	42x40x30
WRO70	70	1050	20%	96-98%	560 W	101x47x40
WRO140	140	2100	35%	96-98%	560 W	101x47x40
WRO 200	200	3000	45%	96-98%	560 W	101x47x40

Supply voltage for all models: 230V/50 Hz – operating voltage 24V/50 Hz – 10 Watt.



WATER TREATMENT osmosis

MINI

Construction Features:

The MINI series reverse osmosis plants are the result of careful selection of components and functional and reliable technical solutions. The main components of the plant are:

- 2.5" spiral-wound osmotic membranes (for models 80).
- 4" spiral-wound osmotic membranes (for models 200/400).
- Vessel in AISI 316L.
- High-pressure stainless steel vane-type pump.
- Micron cartridge filters in polycarbonate (filtration grade 20µ and 5µ).
- Direct reading flowmeter for measuring the flow rate of concentrate and permeate.
- Micrometric regulation needle valves placed on the concentrate and recirculation lines.
- Low-pressure lines.
- High-pressure lines.
- Microprocessor logic controller for automatic plant management with permeate conductivity threshold indicator and system status LEDs.
- Power supply panel for high-pressure pumps, microprocessor, and auxiliary equipment.
- Minimum pressure switch for dry run protection.
- Maximum pressure switch for maximum pressure control on membrane feed.
- PE tank model TC2 volume 200 liters, dimensions 500x500x1600 for MINIOSMO80 model.

All components are mounted on the storage tank complete with hydraulic and electrical connections.



Models	Permeated (Lt/h)	Feed (lt)	Membr. (Nr.)	Vessel (Nr.)	Hookup Ø In/Perm./Conc.	Dimensions (LxDxH)	Weight (kg)
MINIOSMO80	80	200	1 (2,5")	1	¾" / ½" / ½"	500x600x1600	140
MINIOSMO200	180	600	1 (4")	1	¾" / ½" / ½"	500x600x1600	170
MINIOSMO400	400	800	2 (4")	2	¾" / ½" / ½"	500x600x1600	190

Potenza inst. 1 kW

RO

Construction Features:

The RO series reverse osmosis plants are the result of careful selection of components and functional and reliable technical solutions. The main components of the plant are:

I principali componenti che costituiscono l'impianto sono:

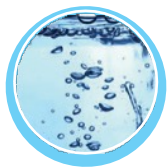
- Spiral-wound osmotic membranes.
- Vessel in AISI 316L.
- High-pressure vane-type pump in brass / stainless steel.
- Micron cartridge filter in polycarbonate (filtration grade 20µ and 5µ).
- Direct reading flowmeter for measuring the flow rate of concentrate and permeate.
- Micrometric regulation needle valves placed on the concentrate and recirculation lines.
- Low-pressure lines.
- High-pressure lines.
- Microprocessor logic controller for automatic plant management with permeate conductivity threshold indicator and system status LEDs. Alarm status.
- Power supply panel for high-pressure pumps, microprocessor, and auxiliary equipment.
- Minimum pressure switch for dry run protection, maximum pressure switch for membrane protection.

All components are mounted on stainless steel skids, complete with hydraulic and electrical connections.

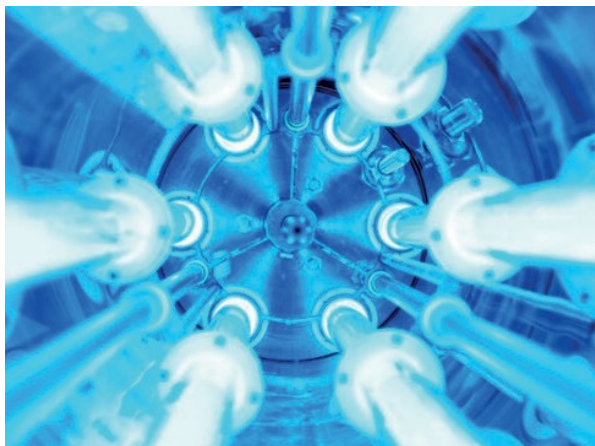


Models	Permeated (Lt/h)	Feed (lt)	Membr. (Nr.)	Vessel (Nr.)	Hookup Ø In/Perm./Conc.	Dimensions (LxDxH)	Weight (kg)
ENE200RO	200	1000	1x4"	1	¾" / ½" / ½"	550x450x1600	80
ENE400RO	400	1000	2x4"	2	¾" / ½" / ½"	550x450x1600	90
ENE600RO	600	1200	3x4"	3	1" / ½" / ½"	550x450x1600	110
ENE1000RO	1000	2000	1x8"	1	1" / ½" / ½"	550x450x1600	160

Power: from 1 kW to 2.5 kW



WATER TREATMENT *osmosis*



STERILIZERS

ultraviolet rays - WL Series

Sterilization systems with ultraviolet rays from the WL Technology series, constructed in AISI 304 stainless steel, equipped with a visual alarm system for lamp exhaustion/ malfunction and a timer counter starting from the WL-UV110W-M model.

Maximum operating pressure:

- WL-UV4W - WL-UV61: 6 Bar
- WL-UV25W - WL-UV880W: 8 Bar
- Power supply voltage: 220V - 50 Hz
- Lamp operating duration: 8,000 hours
- Ultraviolet radiation dosage: 30,000 W/cm²

Models	Hookup in/out	Encumbrances (cm)	Filtered H ₂ O flow (l/h)	Osmotic H ₂ O flow rate (l/h)
WLUV4W	¼"	Ø 5,1 x 20	48	57
WLUV6W	¼"	Ø 5,1 x 26	96	114
WLUV11W	¼"	Ø 5,1 x 26	180	228
WLUV16W	¼"	Ø 6,4 x 34	360	455
WLUV25W	½"	Ø 6,4 x 52	1.140	1.360
WLUV30W	¾"	Ø 6,4 x 97	1.500	1.820
WLUV55W	¾"	Ø 6,4 x 97	2.280	2.730
WLUV110W	1"	Ø 14 x 97 x 35	4.560	5.450
WLUV165W	1"	Ø 16 x 97 x 35	6.840	8.180
WLUV220W	1" ½	Ø 18 x 97 x 39	9.060	10.900
WLUV330W	2" ½	Ø 22 x 97 x 43	13.620	16.360
WLUV440W	2" ½	Ø 22 x 97 x 54	18.180	21.810
WLUV550W	3" - 4"	Ø 22 x 97 x 54	22.740	27.260
WLUV660W	3" - 4"	Ø 31 x 97 x 72	27.300	32.710



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