

Culligan®

REVERSE OSMOSIS

EQUIPMENT FOR PROFESSIONAL APPLICATIONS



AQUA SERIES

A compact system, pre-assembled on an epoxy coated steel structure. Raw water is filtered through replaceable cartridges and then pumped to the RO membrane. The unit is equipped with flow regulator and pressure gauge for monitoring the pressure at membrane inlet. The electronic control panel is complete with adjustable quality indicator and is designed for easy interconnection to auxiliary units and instruments.

E SERIES

A high performance system, pre-assembled on any epoxy coated steel panel suitable for wall mounting. It is complete with flow meter and pressure gauges for monitoring the pressure at the inlet and reject of the membrane. New osmotic membranes allow for easy and fast replacement. The electronic control panel is complete with adjustable quality indicator and is designed for easy interconnection to auxiliary units and instruments. When completed by optional floor support, it can accommodate both "Gard System" pre-filters and "Hydrobox Kit".



OPTIONAL ITEMS

Floor support
Gard System for pre-filtration
Hydrobox kit for pressure distribution

NFC SERIES

A complete system, originally designed for industrial dishwashers, it nevertheless can be used in a variety of applications. Composite cartridges are used as pre-treatment, new osmotic membranes allow for easy and fast replacement. The unit is equipped with flow regulator, pressure gauges for monitoring the pressure at the inlet and reject of the membrane, as well as the system feed pressure. The electronic control panel is complete with adjustable quality indicator and is designed for easy interconnection to auxiliary units and instruments.



CULLIGAN: WORLD LEADER IN THE WATER TREATMENT

CE *Equipment according to CE Directives in force*

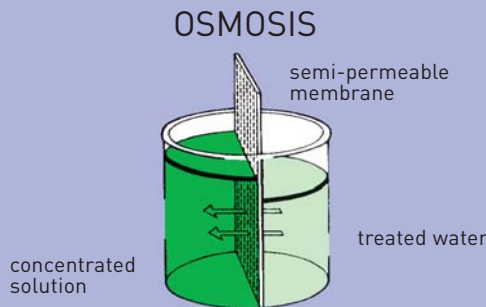
REVERSE OSMOSIS:

The Reverse Osmosis technology is based on the ability of semi-permeable membranes to separate dissolved solids from water.

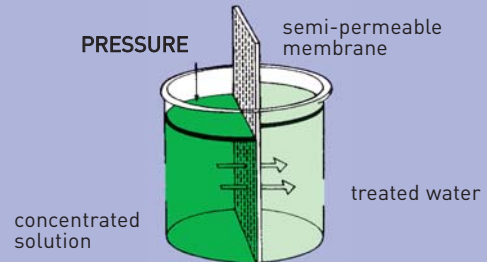
The application of pressure to the solution causes water to pass through the membrane: pure water (permeate) is separated from concentrated solution (reject).

Osmotic membranes perform the best level of filtration and are a barrier to salts and to inorganic substances: micro-contaminants, pesticides, pyrogenies, virus and bacteria are separated as well. Reverse Osmosis is a physical process that does not require chemical regenerants; operation is simple and inexpensive.

OSMOSIS PROCESS



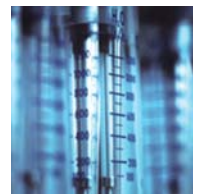
REVERSE OSMOSIS



APPLICATIONS

Water produced by Reverse Osmosis is the ideal solution in many applications. Among them:

- brackish water potabilization
- restaurants and hotels: the best results from automatic dishwashers
- offset printing: improves efficiency and reduces scraps
- chemical laboratories: for instrumentation and glassworks rinsing
- air conditioning systems: for proper humidification
- flower growing
- electronics industry: water for microchip rinsing
- ... and many more applications demanding high quality water.



SPECIFICHE TECNICHE

MODEL	INSTALLED POWER kW	FITTINGS		NOMINAL FLOW RATE l/h	DIMENSIONS width x depth x height mm	SHIPPING WEIGHT kg
		in (feeding)	out (product)			
AQUA 50	0.245	8 mm	6 mm	50	590x320x780	26
AQUA 100	0.245	8 mm	6 mm	100	590x320x780	28
E 180	0.60	3/4"	10 mm	180	715x250x780	57
E 350	0.60	3/4"	10 mm	350	715x250x780	60
NFC	0.42	1/2"	1/2"	180	570x460x605	48

Operating Data: Power supply: 230-110V/50-60Hz, single phase • Operating pressure: Aqua Series 14 bar; E and NFC Series 12 bar • Feeding pressure: > 1 bar • Average flow rate based on the following hypothetical data: temperature 20 °C; TDS 500 ppm as NaCl; without back pressure.

QUALITY SYSTEM CERTIFIED ACCORDING TO UNI EN ISO 9001:2000 NORM

Culligan reserves the right to change any technical or design specifications for the models shown in this brochure.

CULLIGAN ITALIANA SpA
e-mail: culligan@culligan.it
www.culligan.it

With three manufacturing plants and more than a hundred dealers, agents and representatives all over Europe, Culligan is next door wherever you are. Each and every user enjoys outstanding after-sales service. Culligan is present in every area thanks to its engineers and technicians who are ready to act for you quickly and efficiently. The Culligan organisation is represented worldwide in more than 90 countries. The logistic support it provides enables each licensee and dealer to guarantee exceptional services during and after the warranty period (one year, covering manufacturing faults and corrosion).