EuroSystem

series es

Specifications

Version

	Ć
	тм

Model

series es 195,

760, 1.1,

4.3

1.5

380,





For many years, owners who purchased commercial *reverse osmosis* systems had to take a quick course in physics to understand their system's operation.

Not anymore! The EuroSystem ES series commercial processor is a new generation of *reverse osmosis* for obvious reasons. Engineered into the smallest package ever, the ES series commercial processor is a high production, fully automatic, user-friendly "no buttons to push, no knobs to turn" system that is even easily expandable. This means you can start small and later increase the production capacity of the system if the demand for more pure water becomes a factor in the future.

The new EuroSystem ES series commercial processor can be used more economically than ever before to efficiently separate contaminants. Our new *TFC2*[™] membrane is made of an exclusive Thin-Film C2 composite that offers greater structural stability and more chemical tolerance. It operates more effectively at lower pressures, and produces more water faster than other earlier types of membrane even when installed in heavily polluted or high brackish environments. It is precisely in these types of environments that a membrane's superiority becomes more evident, and where an overall test of system integrity becomes defined. Our ES series systems are known for being small powerful systems that are able to operate in even such problematic environments.

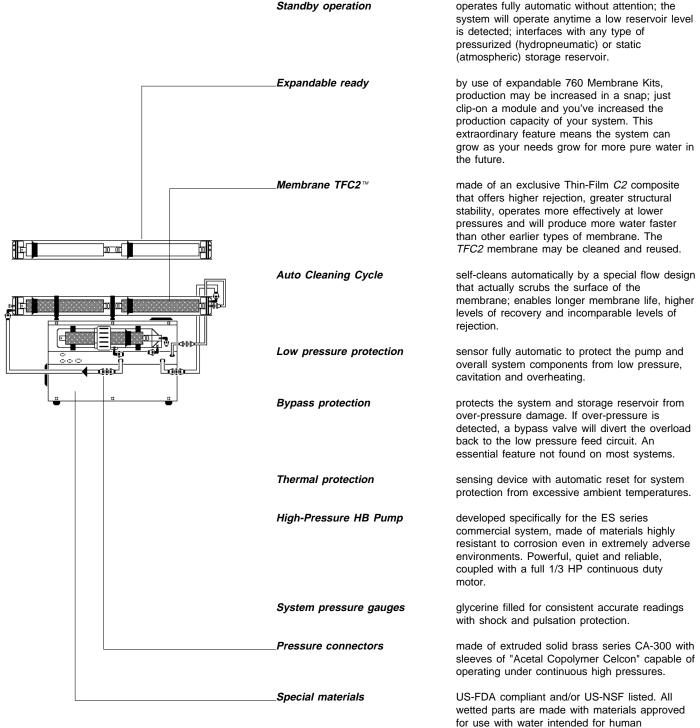
Why reverse osmosis? Reverse osmosis is a membrane separation technology capable of removing a full range of contaminants: sodium, nitrates, toxic metals, arsenic, lead, mercury, aluminum, pesticides, herbicides, trihalomethanes, bacteria, radioactive substances and much more. Unlike conventional filters which trap and store some basic impurities, the self-cleaning design of the *reverse osmosis* membrane allows it to perform at optimum efficiency at all times even in the most adverse environments. Simply no other technology can remove the broad spectrum of contaminants and provide the overall water quality and taste of a *reverse osmosis* system.

So throw 17 years of *reverse osmosis* experience into the package and you've defined the EuroSystem ES series commercial system. Each system is factory tested and ready to operate, and with our new little ES series package,

"no physics course is required".



Features & Components



for use with water intended for human consumption. Even the outer chassis is stainless steel and a standard feature on all models, essential for installations in most environments and not found on most systems.

Technical information

		micu			1					
	Specificatio	ns				V	ersion	4.3		
	Model		series es	195,	380,	760,	1.1,	1.5		
Applications	service oper processing a green house free rinsing	ed for drinking w ations including is ingredient wa watering syster including the ele or simply anywh	feed water for i ter or rinse wate ns, steam equip ectronic industry	ice and c er, indust oment, hu , medical	coffee m trial app umidifiers I and ph	achines, lications s, all typ	food such as es of sp			
Production capacity in liters ¹	Day	Hour	Minut	е						
	195. 380. 760. 1140. 1520.	8.13 15.83 31.67 47.50 63.33	0.14 0.26 0.53 0.79 1.06		(moo (moo (moo	del 195) del 380) del 760) del 1.1) del 1.5) [:]	2			
Characteristics										
Process Number of phases Recovery Rejection (separation) Service frequency	reverse osm varies, depe 10 to 50 % ³ 97 % averag varies, depe and filter car	(UV optional) (adjustable) (90 % nominal)								
Operating environment	Parameters									
Temperature fluid PH continuous operation PH short term cleaning Iron Manganese Free chlorine Hydrogen sulfide	peration 4 min. 11 max. eaning 2 min. 12 max. 0.10 mg /liter ⁴ 0.05 mg /liter ⁴ 1.00 mg /liter ⁴ 1.00 mg /liter ⁴						(60 minutes max.) (dissolved)			
Organics Total hardness Silt density index (SDI)	1.00 mg /lit 360. mg /lit 5.00 maxim	er ⁴				7.0) minutes)				
Total dissolved solids (TDS)	2500. mg /lit					tem Vers tem Vers	,			
Feed water flow Feed water supply pressure										
Electrical requirements										
Volts /Amps Hertz Phase Duty cycle	230.VAC /3. 115.VAC /6. 50 or 60 Hz single phase continuous	(model type 22) (model type 11)								

Dimensions and weight

Product weight Dimensions

20.10 (kg) system height 270, width 410, depth 210, (mm)

- 5 For installations where feed water flow and/or feed water pressure is insufficient, a pump (booster) with separate reservoir is recommended upstream prior to the system.
- * TFC2 membrane is a registered Trademark of EuroSystem USA., Carelli International Corporation USA.

¹ Based on 250.mg/liter TDS or NaCI at 25°c (77°F), feed pressure 2.5 Kg/cm² (36.PSI). Performance of the reverse osmosis membrane element is affected by net driving pressure, feed water temperature, Total Dissolved Solids (TDS) and local water chemistry. These factors must be taken into account when comparing or evaluating the performance of a membrane element or reverse osmosis system. For production capacity in gallons divide by 3.785

System model 1.5 is available for environments where Total Dissolved Solids (TDS) do not exceed 1000.mg/liter. System recovery is factory pre-set; adjustments remain possible on all models. Actual recovery performance is influenced by feed water temperature, Total Dissolved Solids (TDS) and local water chemistry. 2 3

⁴

Recommended for maximum life of the membrane. Pre-treatment filtration is required upstream prior to the system by using a FilterPac(s) with the appropriate cartridges. If the source is a private well, a complete water analysis should be evaluated to determine proper pre-treatment.

EuroSystem options

System options and related products

Specifications				Ve	rsion	4.3
Model	series es	195,	380,	760,	1.1,	1.5

Ordering information (commercial systems)⁷

SYSTEM 195/A/TFC	9001.2332
SYSTEM 195/A/TFC/B	9002.2332
SYSTEM 195/A/TFC/SS	9001.2333
SYSTEM 195/A/TFC/SS/B	9002.2333
SYSTEM 380/A/TFC	9001.2434
SYSTEM 380/A/TFC/B	9002.2434
SYSTEM 380/A/TFC/SS	9001.2435
SYSTEM 380/A/TFC/SS/B	9002.2435
SYSTEM 760/A/TFC	9101.2636
SYSTEM 760/A/TFC/B	9102.2636
SYSTEM 760/A/TFC/SS	9101.2637
SYSTEM 760/A/TFC/SS/B	9102.2637
SYSTEM 1.1/A/TFC	9201.2638
SYSTEM 1.1/A/TFC/B	9202.2638
SYSTEM 1.1/A/TFC/SS	9201.2639
SYSTEM 1.1/A/TFC/SS/B	9202.2639
SYSTEM 1.5/A/TFC	9201.2642
SYSTEM 1.5/A/TFC/B	9202.2642
SYSTEM 1.5/A/TFC/SS	9201.2643
SYSTEM 1.5/A/TFC/SS/B	9202.2643

Ordering information (related products)⁸

sj	/st	en	าร	an	nd	teo	chr	าอเ	logy	/							S THE STATE
Ε	U	R	0	S	Y	S	Т	E	М	Ρ	R	0	D	U	С	Т	S TM

Authorized Distributor :

0001		
1011		
:		
Ľ		
-		

© 1992-2003 Carelli International Corporation USA. All rights reserved. EuroSys, EuroSystem, the EuroSystem logo, TFC2 Membrane, FilterPac and UltraV are registered trademarks of Carelli International Corporation USA. Drinking water pure, healthy and without the bottle is a registered trademark of EuroSystem USA. Product specifications are subject to change without notice.

- 7 The installation and operation of our ES series commercial systems are surprisingly quick and easy. Systems are completely assembled, factory tested, and ready to operate. Systems also include an easy to understand installation/operation manual.
- installation/operation manual.8 Only a partial list of related products. Check with your local EuroSystem distributor for more specific details on system options and related products.
- The ES series systems are warranted against defects in materials and workmanship for a period of one year. The membrane is covered for manufacturing defects for the period of one year on a pro-rated basis. Disposable cartridges are not warranted.

FilterPac™	pre-treatment filtration is critical to system performance. The FilterPac provides complete system protection with a minimal frequency of maintenance. Pre-treatment and post-treatment FilterPacs are available along with a full spectrum of filter cartridge possibilities from system feed protection to pure water post-treatment.
760 Membrane Kit	expandable module just snaps-on, increases the production of the system in increments of 760 liters per day; designed for quick and easy installation.
UltraV™	high performance Ultraviolet (UV) module for pure processed water made of all non-corrosive materials. Available in various sizes from as little as 3.8 liter/minute flow.
Series SS	systems include stainless steel and nickel plated internals; recommended for fluid environments exceeding 2500.mg/liter Total Dissolved Solids.
Reservoirs	hydropneumatic storage vessels designed specifically for pure processed water made of non-corrosive materials, quick and easy to install, available in four sizes: 12, 75, 150 or 300 liter capacities. Discharge completely in any position and serviceable by a removable water cell.
Pure water SM Faucet	for dispensing pure processed water; incorporates two smooth handle positions: intermittent or continuous open flow, chrome plated finish, easy to install anywhere and serviceable by replaceable valve kit.
Pure water LR Faucet	recommended for commercial applications or anywhere a faucet installation requires more distance from a sink or more area for filling large containers. Incorporates the two smooth handle positions as our SM Faucet, chrome plated finish, easy to install anywhere and serviceable by replaceable valve kit.
Product support program	includes a full range of special products from chemical testing equipment, special tools, membrane cleaning chemicals, as well as standard service cartridges and replacement parts. If your local EuroSystem distributor is out of stock, the part can be shipped worldwide by special delivery factory direct.