

## TECHNICAL DATASHEET FOR PLUSTEAM SERIES REVERSE OSMOSIS SYSTEM

### Reference

519007      519008      519009  
519010      511011

### Designation

Reverse Osmosis System

### Description

Complete reverse osmosis system with all necessary system components designed for sterilization.

### Usage

**PLUSTEAM** Complete RO System is used to purify city water supply in order to prevent future problems in CSSD and steam sterilizers and match water quality standards according to EN 285.

### Quality Certification & Compliance

All process across **TBT** is run in compliance with EN ISO 9001 & EN ISO 13485.

Reverse Osmosis System is not subject to CE where a declaration of conformity and quality certificates of components used may be provided upon request. Cartridge filters have NSF standard label on them.

### Materials Used & Main Features

#### Water Softener

Mineral tanks of water softener are from strengthened fibreglass. Water softener can have volumetric regeneration depending on the water flow rate. Valve flow rate is at least 4 cbm/h. Water softener have the ability to manual wash in case requested. System is a complete one with Yoke, bypass, sampling port, manometers, valve, volumetric controlled salt tank and panel for monitoring.

#### Cartridge Filter

Cartridge type filter system is made of melted PP fibres in continuous form and with high filtration ability.

#### RO Unit

RO unit have auto-flush ability. Drain flow rate can be set by AISI 316 quality stainless steel valves. System is combined with power cabinet and control panel which helps to control conductivity and show necessary parameters such as tank condition (full / empty), pressure values, inlet water conductivity, inlet water temperature, etc. Piping of unit is from AISI 316 quality stainless steel or PN



16 PVC pipes. Unit is equipped with stainless steel manometers showing pressure in water inlet, water outlet and other pressure values in unit. Housing of system can operate with 3 -10 PH water. Low and high pressure safety system combined with a conductivity alarm are present.

#### Water Tank

Water tank has been made of PE, fibreglass or AISI 316 L quality stainless steel depending on the system installation area. Tank upper and lower levels are automatically controlled.

#### Water Circulation Pump

Water circulation pump system has been designed in dual motor way. While first motor is active there is a second motor in substitute in order to prevent malfunctioning in water supply. Motor power is 1000 W and maximum flow rate is 4.4 cbm/h. Motor system is IP54 class protection and B Class isolation.

#### **Available Types & Components**

Ref. No	Capacity (RO Unit)	Water Softener	Circulation Pump	Filtration System	Water Tank	Notes
519007	750 L/h	Tandem Type (Automatic)	1 x Main 1 x Back-up	1 x 20", 25 micron filter 1 x 20", 5 micron filter 1 x Automatic active carbon filter	2 x 1000 L	Basic piping is included
519008	300 L/h	Tandem Type (Automatic)	1 x Main 1 x Back-up	1 x 20", 25 micron filter 1 x 20", 5 micron filter 1 x Automatic active carbon filter	1 x 500 L	Basic piping is included
519009	250 L/h	Tandem Type (Automatic)	1 x Main 1 x Back-up	1 x 20", 25 micron filter 1 x 20", 5 micron filter 1 x Automatic active carbon filter	1 x 500 L	Basic piping is included
519010	500 L/h	Tandem Type (Automatic)	1 x Main 1 x Back-up	1 x 20", 25 micron filter 1 x 20", 5 micron filter 1 x Automatic active carbon filter	2 x 1000 L	Basic piping is included
519011	200 L/h	Tandem Type (Automatic)	1 x Main 1 x Back-up	1 x 20", 25 micron filter 1 x 20", 5 micron filter 1 x Automatic active carbon filter	1 x 500 L	Basic piping is included

Please request information from your Agent / Sales Representative for getting more information on tailor made solutions of **PLUSTEAM** series.



### **Cleaning**

Clean the unit with a dry fabric. System enables maintenance and cleaning of each component without disabling system functions.

### **Comments**

The product must be used by specialised personnel only. Check the package's integrity before use. Do not use if the package is open or damaged.

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