



SYS3000-POU

The Great Bear | Premier System

Description

The SYS3000-POU from Wyckomar is a high-capacity, deluxe whole-house water treatment system designed for larger homes and where additional water treatment capacity and features are desired..

The 3000POU System comes with dual high-capacity dual water filters. The first of the large 20 inch filters will reduce and remove sediments such as dirt, dust and rust. The second one is a carbon filter which helps to remove foul taste and odor at higher flow rates.

The extra-large stainless steel UV chamber is where the water is exposed to the germicidal UV light and this is where the disinfection takes place. Germicidal UV light is very effective at killing a wide variety of disease-causing pathogens including bacteria and virus that can contaminate drinking water supplies. Harmful microbiological contaminants, such as viruses, bacteria and protozoa are killed with a powerful UV disinfection dose that will inactivate the pathogens at a kill rate of > 99.99% (log4) (*Giardia*, *E. coli*, *Cryptosporidium*, *Vibrio cholerae*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others).

The purifier comes equipped with an electronic ballast that features an alarm system which sounds an audible alarm if the UV lamp is not functioning properly. The system remembers when it is time to install a new UV replacement lamp with an automatic countdown display and alarm.

The 3000POU system will disinfect higher flow rates resulting in more water treatment capacity all-day, everyday.



Features

- ▶ Chemical-Free Water Treatment
- ▶ Robust Construction, Pre-Assembled
- ▶ 316L SS Ultra-Violet Sterilizer
- ▶ Electronic Ballast with Lamp-Out Alarm, Day Count on Digital Display
- ▶ 10" BigBlue Filtration in 2 Stages
- ▶ Filter Housings with Pressure Gauges
- ▶ Many Optional Components
- ▶ Mounted on Stainless Steel Panel

Benefits

- ▶ Safe Drinking Water at Low Cost per Litre
- ▶ High UV Dose for Peace of Mind
- ▶ Extremely Simple to Use and Maintain
- ▶ Fully Assembled for Easy Installation
- ▶ Ideal for Use in Large Residential and Light Commercial Applications
- ▶ Made in Canada



Flow Range (limited by filter selection):	Up to 57 litres per minute (15 GPM) 3,420 litres/hour, 82 m ³ /day (900 gallons/hour, 21,600 gallons/day)
Initial UV Dose at Max. Flow (95% UVT):	73 mJ/cm ² (73,000 µWsec/cm ²) @ 57 LPM / 15 GPM
Electrical:	110-130 Volt AC / 50-60 Hz (Part # SYS3000/QD4E-1) 220-240 Volt AC / 50-60 Hz (Part # SYS3000/QD4E-2)
Ballast:	Electronic Ballast w/ Lamp Out Alarm, Power LED, Running Days Countdown on LCD Display (Resettable) Model RH51-800-95L (Wyckomar Part # 4-BE800-14/30ECO)
Replacement Lamp:	Low-Pressure UV Lamp, Part # RL-100/1197T6
Filtration:	10" BigBlue (L10", OD 4-1/2"), w/ Pressure Gauges
Stage 1, Sediment Filter:	Melt-Blown Polypropylene, 5 Micron
Stage 2, Carbon Filter:	Coconut Shell Carbon ("Extruded Carbon Block") for High Chlorine Reduction
Min/Max. Operating Temperature:	T _{min.} = 3 °C (37 °F), T _{max.} = 40 °C (104 °F)
Max. Operating Pressure:	125 psi - 8.6 bar
Plumbing:	1.5" MNPT In/Out Manual Shutoff Ball Valves on In/Out Ports
Shipping Size and Weight:	1 Skid approx. 54x48x22 inches, 260 lbs / 120 kg

Specifications subject to change

Optional Features

This system comes by default with micro filtration and ultra-violet disinfection for the treatment of drinking water from many sources. Additional features can easily be added to make it into a customized water purification system for any kind of application and for the removal/reduction of most types of contaminants.

Hardness - This system works well in cooperation with a commercial style softener, but for those applications where salt is not wanted, an AquaFlow scale deposit controller can be added to the panel. The device will condition the calcium and magnesium molecules, preventing lime build-up in plumbing and appliances.



Monitoring System

- For those applications that require fail-safe operation, a monitoring system can be added. This consists of a sensor that measures the intensity of the UV light in realtime, and displays it on a meter face on the monitor. In case the intensity goes below the recommended dosage for drinking water, the monitor can trigger a solenoid valve to shut off the flow of water until the problem has been rectified.

UV Monitor
(Part # 4-UV/MS-1/2 V3)



Special Filtration

- If other contaminants are present, such as Arsenic, Fluoride, Nitrate or other pollutants, or if the pH needs to be adjusted, additional filtration levels can easily be added to this system.

Plug & Play

This Integrated UV System is pre-assembled and pressure tested at the factory and will work right out of the box. The sturdy stainless-steel construction and the attractive panel-mounted design allow for easy installation and ensure many years of faithful service. All components are placed so they can be easily maintained and cleaned.