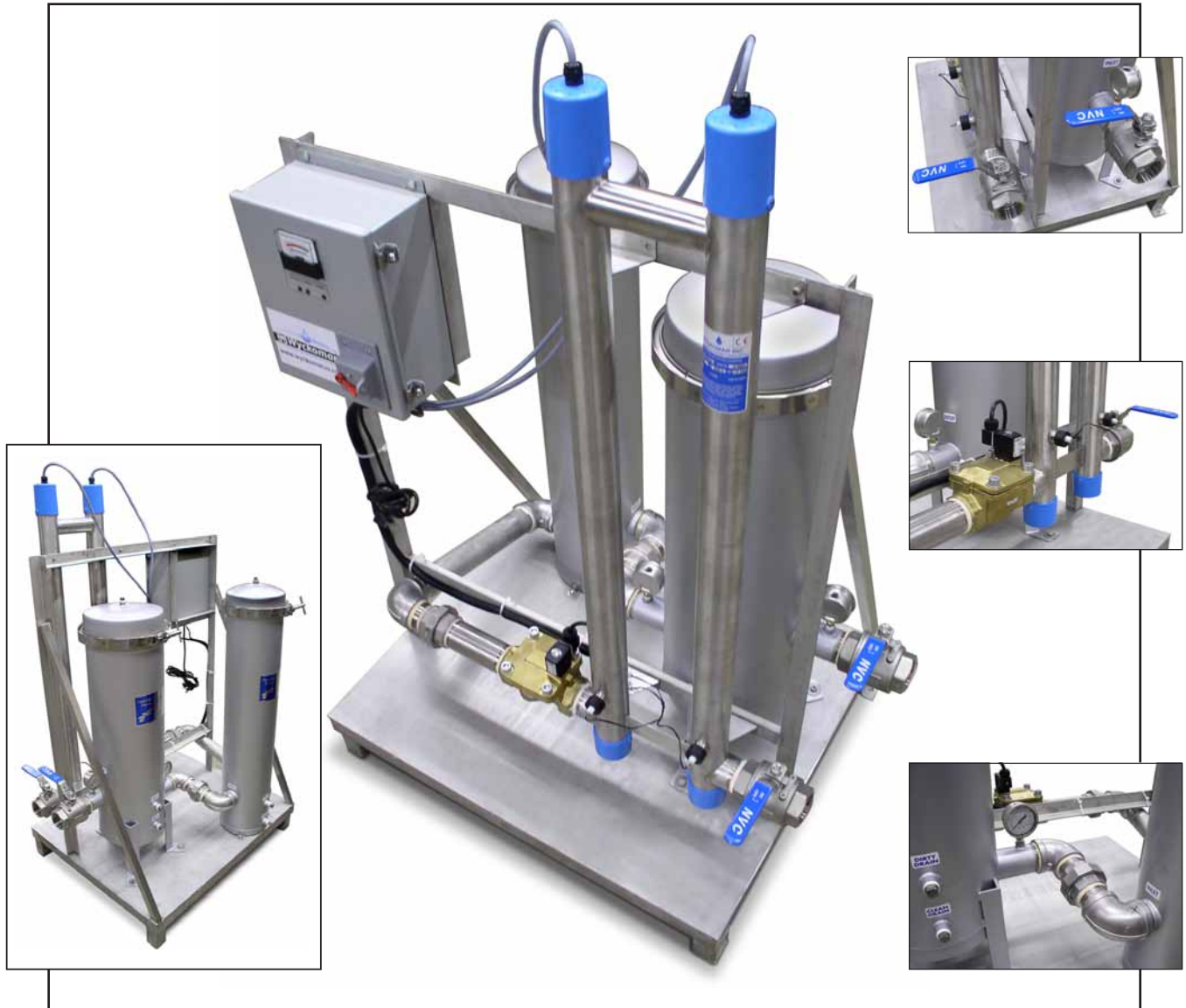


# Ultra Violet Disinfection in Customized Commercial and Industrial Water Treatment Systems

The following pages feature some of the standard and customized systems available for a wide array of applications all over the world. These examples of commercial water treatment systems show how different applications are treated, and how variations in the source water make different system designs necessary.

No two applications are the same, many parameters have to be taken into consideration with today's water treatment challenges. Systems are planned and designed to meet your application requirements. The production is done in a timely manner and subject to our quality assurance procedures.





## 50 GPM Skid Mounted Water Purification System

Dual Filtration for Sediment and Taste/Odour  
Fail-Safe Operation with UV Monitor & Solenoid Valve



## SPECIFICATIONS



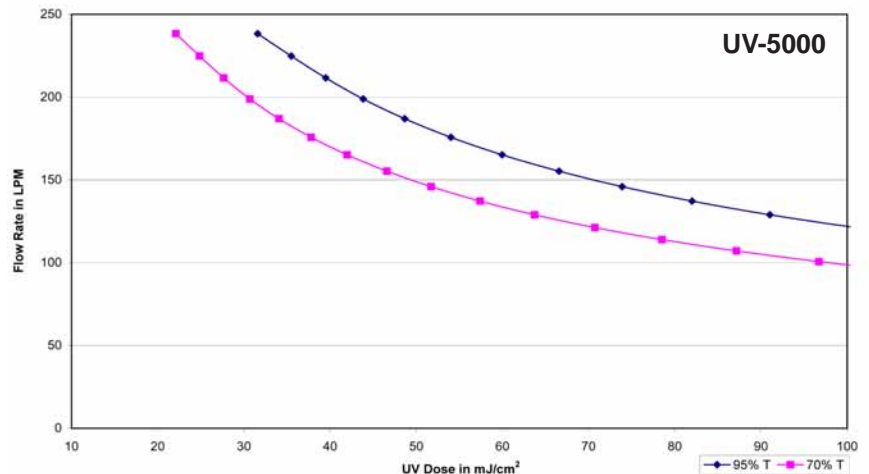
### WYCKOMAR 50 GPM Skid Mount

<b>Rated Flow:</b>	189 litres per minute (50 gpm) 11,340 litres/hour, 272,160 litres/day (3,000 gallons/hour, 72,000 gallons/ day)
<b>Initial UV Dose at Rated Flow:</b>	47 mJ/cm <sup>2</sup> (47,000 μwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	100-130V / 50-60 Hz 220-240V/ 50-60 Hz
<b>Approx. Power Usage:</b>	220 W
<b>Maximum Operating Temp:</b>	37 °C (98.6 °F)
<b>Maximum Operating Pressure:</b>	125 psi – 8.6 bar (tested to 500 psi)
<b>Plumbing:</b>	2" MNPT In/Out
<b>Chamber Material:</b>	316L Stainless Steel
<b>Filtration (in SS Housings):</b>	5 Micron Sediment Filter 5 Micron Carbon Filter
<b>Additional Features (Optional):</b>	UV-Monitor, Solenoid Valve

This All-in-One Water Treatment System, installed at the point of entry, is ideal for multi-residential, commercial and industrial operations, such as campgrounds, large farms or bottling plants, where the drinking water is supplied by the municipality, drawn from a well or from a lake or a river. It will purify the water of most contaminants found in groundwater, especially sediments, low to normal levels of iron and manganese and pesticides as well as taste and odour, including sulphur smell. Harmful microorganisms such as viruses, bacteria and protozoa are killed with a powerful UV disinfection dose that will inactivate the pathogens at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others).



### Dose Chart



### Fail-Safe Operation with UV-Monitor

The monitor is a safety device that monitors the UV systems' effectiveness in real time and displays the UV intensity on the meter face. The monitor will sound an alarm and trigger a solenoid valve to shut off the water flow in case the UV lamp burns out or the dose is inadequate for proper disinfection.

This skid mounted system offers very efficient water treatment at a low cost per unit volume. The system is designed for ease of installation and is fully tested prior to shipment.

Specifications may be subject to change



## Skid Mounted Water Treatment System for General Applications - 50 GPM

Multiple Levels of Filtration Including  
Sediment / Taste & Odour / VOC's  
UV Disinfection and Fail-Safe Operation with Solenoid Valve  
and Built In Alarm System.

Electronic De-Scaling System Optional  
Simple to Install and Operate Anywhere



## SPECIFICATIONS



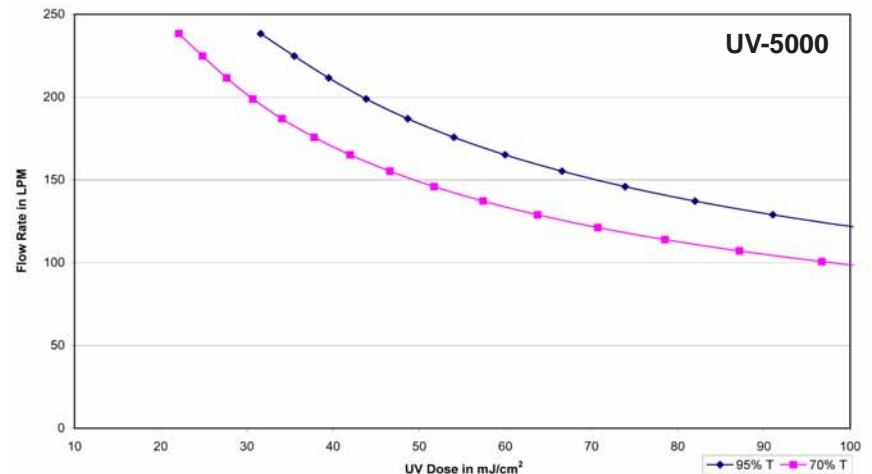
### WYCKOMAR 50 GPM Skid Mount II

<b>Rated Flow:</b>	189 litres per minute (50 gpm) 11,340 litres/hour, 272,160 litres/day (3,000 gallons/hour, 72,000 gallons/ day)
<b>Initial UV Dose at Rated Flow:</b>	47 mJ/cm <sup>2</sup> (47,000 μwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	100-130V / 50-60 Hz 220-240V/ 50-60 Hz
<b>Approx. Power Usage:</b>	220 W
<b>Maximum Operating Temp:</b>	37 °C (98.6 °F)
<b>Maximum Operating Pressure:</b>	125 psi – 8.6 bar (tested to 500 psi)
<b>Plumbing:</b>	2" MNPT In/Out
<b>Chamber Material:</b>	316L Stainless Steel
<b>Filtration (in SS Housings):</b>	5 Micron and 1 Micron Sediment Filter 5 Micron Carbon Filter
<b>Additional Features (Optional):</b>	UV-Monitor, Solenoid Valve Electronic De-Scaling System

This All-in-One Water Treatment System, installed at the point of entry, is ideal for multi-residential, commercial and industrial applications, such as campgrounds, large farms or bottling plants, where the drinking water is supplied by the municipality, drawn from a well or from a lake or a river. It will purify the water of most contaminants found in water, especially sediments, low to normal levels of iron and manganese and pesticides as well as taste and odour, including sulphur smell. Harmful microorganisms such as viruses, bacteria and protozoa are killed with a powerful UV disinfection dose that will inactivate the pathogens at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others).



### Dose Chart

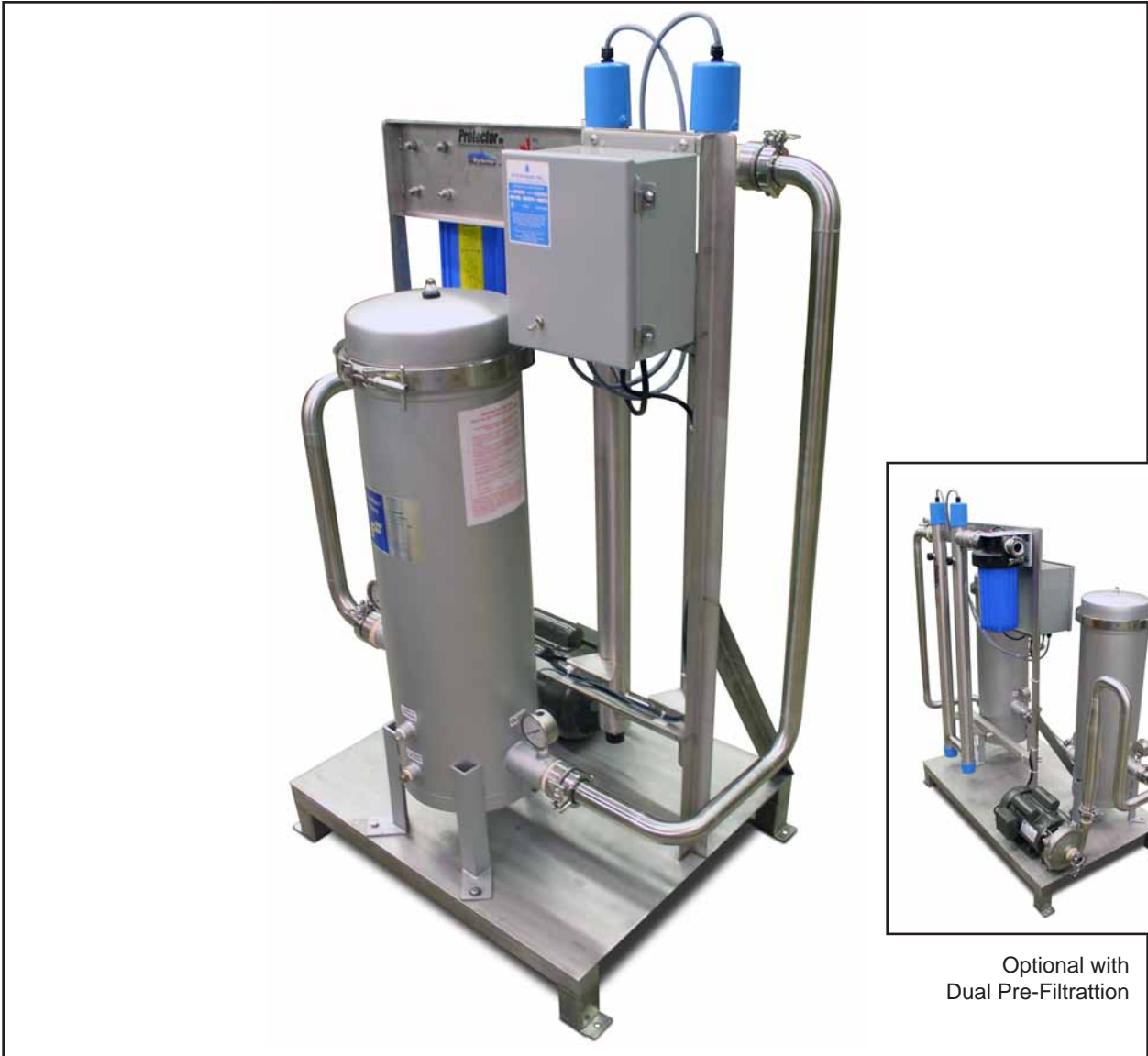


### Fail-Safe Operation with UV-Monitor

The monitor is a safety device that monitors the UV systems' effectiveness in real time and displays the UV intensity on the meter face. The monitor will sound an alarm and trigger a solenoid valve to shut off the water flow in case the UV lamp burns out or the dose is inadequate for proper disinfection.

This skid mounted system offers very efficient water treatment at a low cost per unit volume. The system is designed for ease of installation and is fully tested prior to shipment.

Specifications may be subject to change



Optional with  
Dual Pre-Filtration

# 50 GPM Skid Mounted Water Purification System

Sediment Filtration and UV Disinfection for Recirculation  
Onboard 2 HP Pump, Sanitary Fittings



## SPECIFICATIONS



### WYCKOMAR SKD5000-JCHX1 Skid Mount

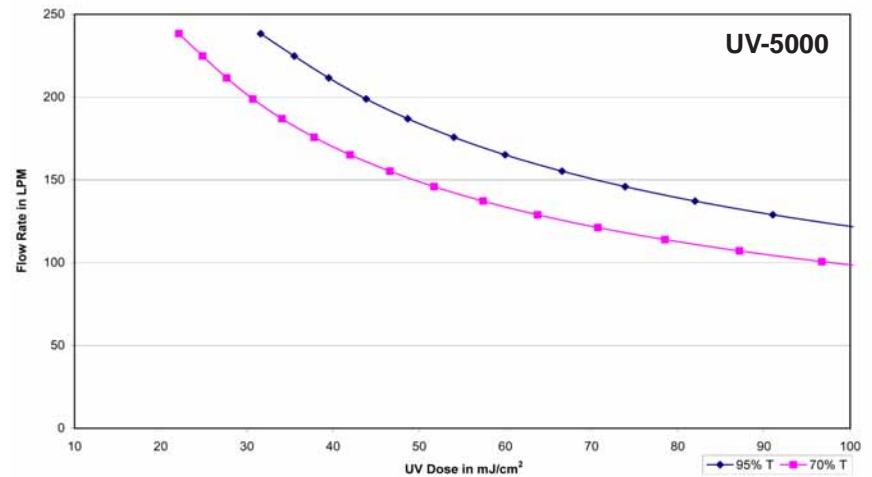
<b>Rated Flow:</b>	189 litres per minute (50 gpm) 11,340 litres/hour, 272,160 litres/day (3,000 gallons/hour, 72,000 gallons/ day)
<b>Initial UV Dose at Rated Flow:</b>	47 mJ/cm <sup>2</sup> (47,000 µwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	100-130V / 50-60 Hz 220-240V/ 50-60 Hz
<b>Approx. Power Usage:</b>	220 W
<b>Maximum Operating Temp:</b>	37 °C (98.6 °F)
<b>Maximum Operating Pressure:</b>	125 psi – 8.6 bar (tested to 500 psi)
<b>Plumbing:</b>	1.5" Sanitary Clamps In/Out
<b>Chamber Material:</b>	316L Stainless Steel
<b>Filtration:</b>	5 Micron Sediment Filter in SS Housing Post Filter in BigBlue Housing
<b>Pump:</b>	2 HP Stainless Steel
<b>Additional Features (Optional):</b>	UV-Monitor, Solenoid Valve

This All-in-One Water Treatment System is designed for the food industry for the purification of holding tank contents in a recirculation loop or similar applications. It filters the water with a sediment filter down to 5 microns. Harmful microorganisms such as viruses, bacteria and protozoa are killed with a powerful UV disinfection dose that will inactivate the pathogens at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others).

The system features sanitary tubing and fittings for maximum cleanability.



### Dose Chart



### Fail-Safe Operation with UV-Monitor

The (optional) monitor is a safety device that monitors the UV systems' effectiveness in real time and displays the UV intensity on the meter face. The monitor will sound an alarm and trigger a solenoid valve to shut off the water flow in case the UV lamp burns out or the dose is inadequate for proper disinfection.

This skid mounted system offers very efficient water treatment at a low cost per unit volume. The system is designed for ease of installation and is fully tested prior to shipment.

Specifications may be subject to change



Higher Flow Rates Possible  
with Manifolding

# 100 GPM Rack Mounted Water Purification System

Economical Chemical Free UV Disinfection  
at High Volume





## SPECIFICATIONS

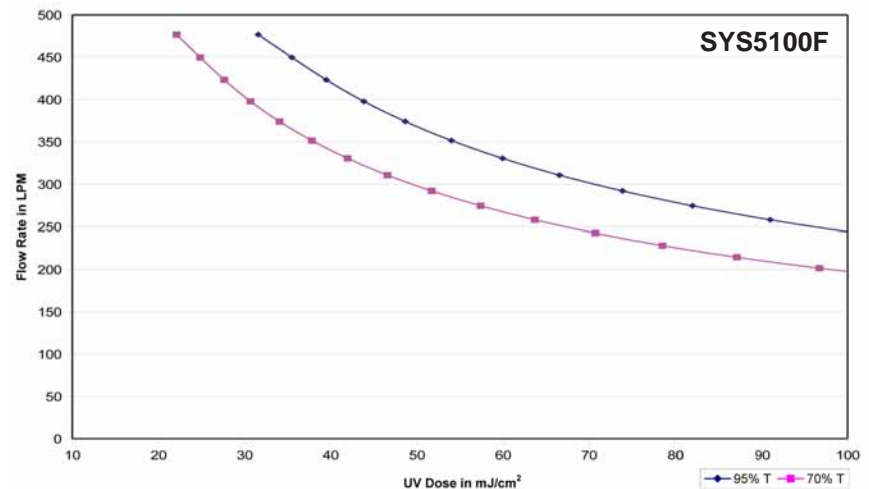


### WYCKOMAR SYS5100F Rack Mount

<b>Rated Flow:</b>	378 litres per minute (100 gpm) 22,710 litres/hour, 545,040 litres/day (6,000 gallons/hour, 144,000 gallons/ day)
<b>Initial UV Dose at Rated Flow:</b>	47 mJ/cm <sup>2</sup> (47,000 µwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	100-130V / 50-60 Hz 220-240V/ 50-60 Hz
<b>Approx. Power Usage:</b>	440 W
<b>Maximum Operating Temp:</b>	37 °C (98.6 °F)
<b>Maximum Operating Pressure:</b>	125 psi – 8.6 bar (tested to 500 psi)
<b>Plumbing:</b>	3" MNPT In/Out (Flanges Optional)
<b>Chamber Material:</b>	316L Stainless Steel
<b>Additional Features (Optional):</b>	Sanitary Tubing and Fittings UV-Monitor, Solenoid Valve Electronic De-Scaling System Surge Protector, NEMA Control Panel

This All-in-One Water Treatment System, installed at the point of entry, is ideal for industrial and agricultural operations, such as dairy farms or bottling plants, where high flow rates are needed. Harmful microorganisms such as viruses, bacteria and protozoa are killed with a powerful UV disinfection dose that will inactivate the pathogens at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others).

### Dose Chart

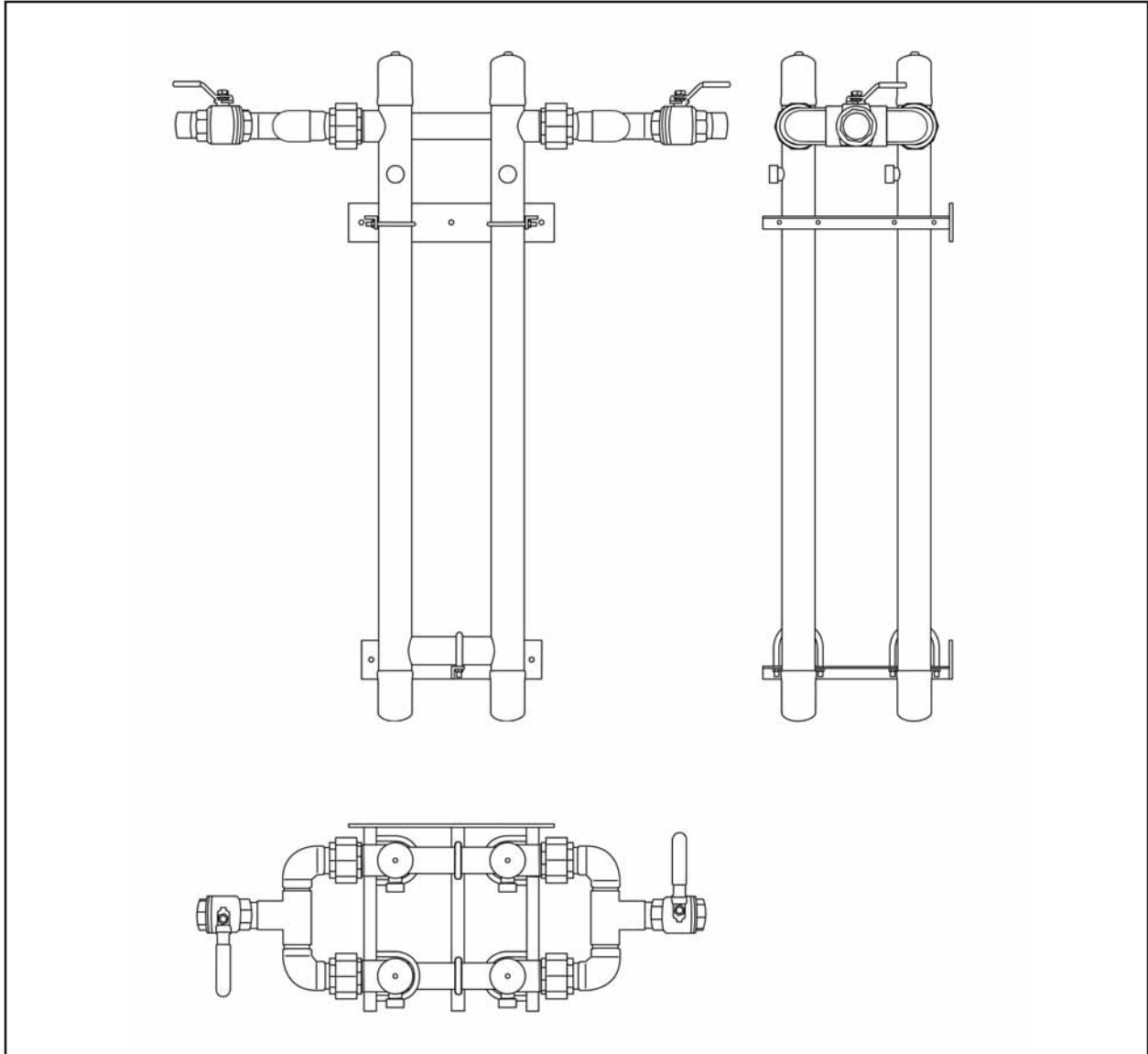


### Various Pre-Filtration Options

This powerful, high volume sterilizer can be combined with different pre-filtration solutions, such as multi-cartridge filtration in stainless steel filter housings, or high-volume filtration in Polypropylene Jumbo housings.

This rack mounted system offers very efficient water treatment at a low cost per unit volume. The system is designed for ease of installation and is fully tested prior to shipment.

Specifications may be subject to change



## 100 GPM Wall Mounted Water Purification System

Economical Chemical Free UV Disinfection  
at High Volume



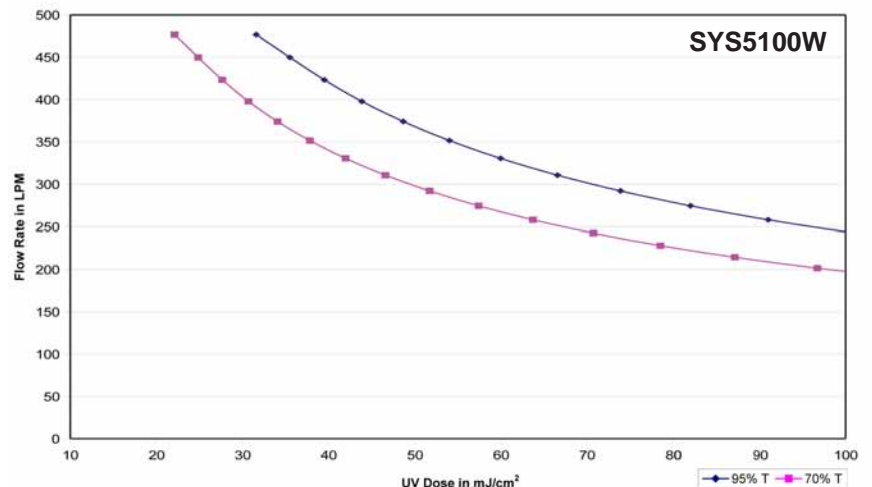
# SPECIFICATIONS

## WYCKOMAR SYS5100W Wall Mount

<b>Rated Flow:</b>	378 litres per minute (100 gpm) 22,710 litres/hour, 545,040 litres/day (6,000 gallons/hour, 144,000 gallons/ day)
<b>Initial UV Dose at Rated Flow:</b>	47 mJ/cm <sup>2</sup> (47,000 µwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	100-130V / 50-60 Hz 220-240V/ 50-60 Hz
<b>Approx. Power Usage:</b>	440 W
<b>Maximum Operating Temp:</b>	37 °C (98.6 °F)
<b>Maximum Operating Pressure:</b>	125 psi – 8.6 bar (tested to 500 psi)
<b>Plumbing:</b>	2" MNPT In/Out (Flanges Optional)
<b>Chamber Material:</b>	316L Stainless Steel Stainless Steel Shutoff Valves
<b>Additional Features (Optional):</b>	Sanitary Tubing and Fittings UV-Monitor, Solenoid Valve

This All-in-One Water Treatment System, installed at the point of entry, is ideal for industrial and agricultural operations, such as dairy farms or bottling plants, where high flow rates are needed. Harmful microorganisms such as viruses, bacteria and protozoa are killed with a powerful UV disinfection dose that will inactivate the pathogens at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others).

### Dose Chart



### Various Pre-Filtration Options

This powerful, high volume sterilizer can be combined with different pre-filtration solutions, such as multi-cartridge filtration in stainless steel filter housings, or high-volume filtration in Polypropylene Jumbo housings.

This rack mounted system offers very efficient water treatment at a low cost per unit volume. The system is designed for ease of installation and is fully tested prior to shipment.

Specifications may be subject to change



## 100 GPM Skid Mounted Water Purification System

Manual Valves and Dual Filtration Configuration  
Fail-Safe Operation with UV Monitor and Solenoid Valve



## SPECIFICATIONS



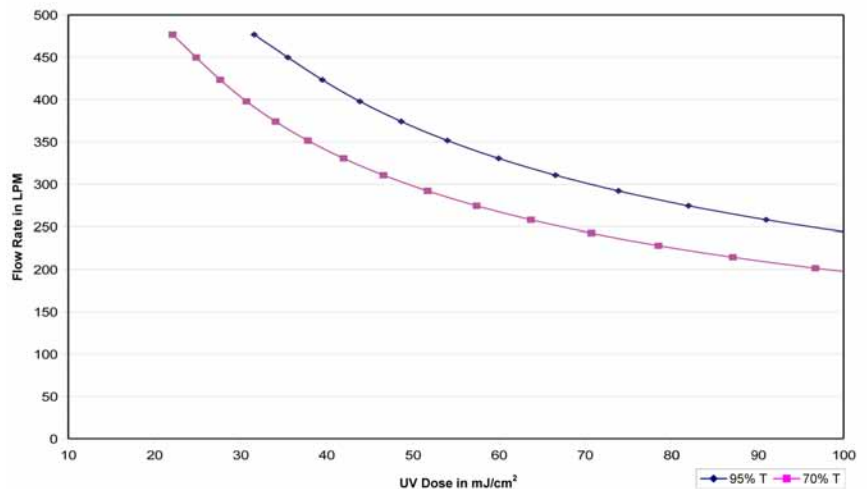
### WYCKOMAR 100 GPM Skid Mount

<b>Rated Flow:</b>	378 litres per minute (100 gpm) 22,680 litres/hour, 544,320 litres/day (6,000 gallons/hour, 144,000 gallons/ day)
<b>Initial UV Dose at Rated Flow:</b>	47 mJ/cm <sup>2</sup> (47,000 µwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	100-130V / 50-60 Hz 220-240V/ 50-60 Hz
<b>Approx. Power Usage:</b>	460 W
<b>Maximum Operating Temp:</b>	37 °C (98.6 °F)
<b>Maximum Operating Pressure:</b>	125 psi – 8.6 bar (tested to 500 psi)
<b>Plumbing:</b>	2" MNPT In/Out
<b>Chamber Material:</b>	316L Stainless Steel
<b>Filtration (in SS Housings):</b>	5 Micron Sediment Filter 5 Micron Carbon Filter
<b>Additional Features (Optional):</b>	UV-Monitor, Solenoid Valve, Electronic De-Scaling System

This All-in-One Water Treatment System, installed at the point of entry, is ideal for commercial and industrial operations where the drinking water is supplied by a well or drawn from surface water. The system consists of 2 UV units in manifold, for a high flow rate. It will purify the water of most contaminants found in groundwater and surface water, especially sediments, low to normal levels of iron and manganese and pesticides as well as taste and odour, including sulphur smell. Harmful microorganisms such as viruses, bacteria and protozoa are killed with a powerful UV disinfection dose that will inactivate the pathogens at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others).



### Dose Chart



### Fail-Safe Operation with UV-Monitor

The monitor is a safety device that monitors the UV systems' effectiveness in real time and displays the UV intensity on the meter face. The monitor will sound an alarm and trigger a solenoid valve to shut off the water flow in case the UV lamp burns out or the dose is inadequate for proper disinfection. Additionally, it features manual shut off valves.

This skid mounted system offers very efficient water treatment at a low cost per unit volume. The system is designed for ease of installation and is fully tested prior to shipment.

Specifications may be subject to change

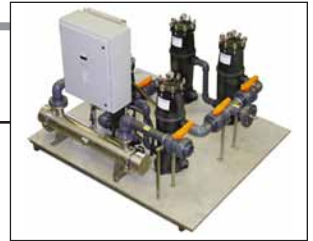


## High Volume Water Treatment System

Multiple Levels of Sediment Filtration to 1 Micron  
UV Disinfection  
Easy Change Filter Cartridges  
Compact Foot Print - Various Flow Rates Available



## SPECIFICATIONS



### WYCKOMAR High Volume Skid Mount

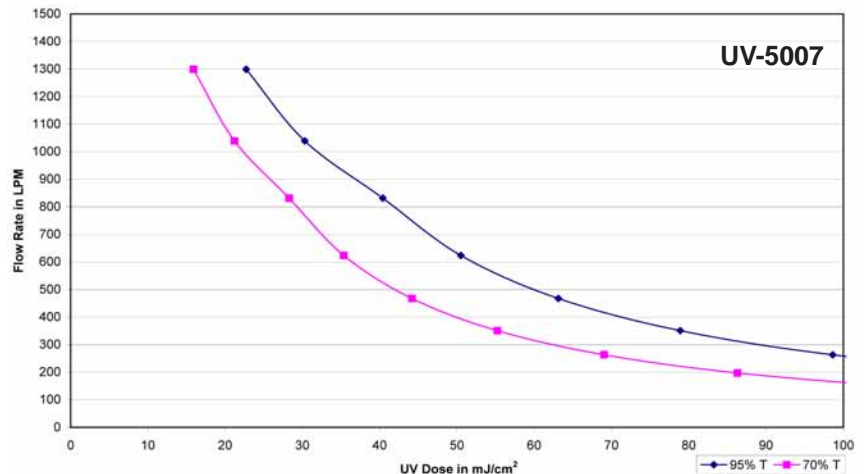
<b>Rated Flow:</b>	946 litres per minute (250 gpm) 56,7600 litres/hour, 1.36 mio litres/day (15,000 gallons/hour, 360,000 gallons/ day)
<b>Initial UV Dose at Rated Flow:</b>	35 mJ/cm <sup>2</sup> (35,000 μwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	100-130V / 50-60 Hz 220-240V/ 50-60 Hz
<b>Approx. Power Usage:</b>	800 W
<b>Maximum Operating Temp:</b>	37 °C (98.6 °F)
<b>Maximum Operating Pressure:</b>	125 psi – 8.6 bar (tested to 500 psi)
<b>Plumbing:</b>	3" Flange In/Out
<b>Chamber Material:</b>	316L Stainless Steel
<b>Filtration (in SS Housings):</b>	20 and 1 Micron Sediment Filter Custom Filter Configurations Available
<b>Additional Features (Optional):</b>	UV-Monitor, Solenoid Valve Electronic De-Scaling System

This All-in-One Water Treatment System, installed at the point of entry, is ideal for commercial and industrial operations where a high volume output is required, e.g. for process water disinfection. The system is based on the UV-5007 sterilizer and offers multiple levels of sediment filtration down to 1 micron, using high-volume, non-metallic filter housings that make the change of cartridges very easy. Harmful microorganisms such as viruses, bacteria and protozoa are killed with a powerful UV disinfection dose that will inactivate the pathogens at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others).

The design of the system allows manifold of multiple units and individual filter configurations for many different application up to flow rates requirements of 1000 GPM (3,800 LPM)



### Dose Chart



### Fail-Safe Operation with UV-Monitor

The (optional) monitor is a safety device that monitors the UV systems' effectiveness in real time and displays the UV intensity on the meter face. The monitor will sound an alarm and trigger a solenoid valve to shut off the water flow in case the UV lamp burns out or the dose is inadequate for proper disinfection.

This skid mounted system offers very efficient water treatment at a low cost per unit volume. The system is designed for ease of installation and is fully tested prior to shipment.

Specifications may be subject to change



## Transportable 250 GPM (~1000 LPM) Water Treatment System

Multiple Filtration Levels to 1 Micron  
UV Disinfection

Chlorine Residual for Downstream Protection  
Turbidity - ORP - Real-Time UV Monitoring Built In  
Pressure Gauges - Test Ports - Alarm functions Built In





## SPECIFICATIONS



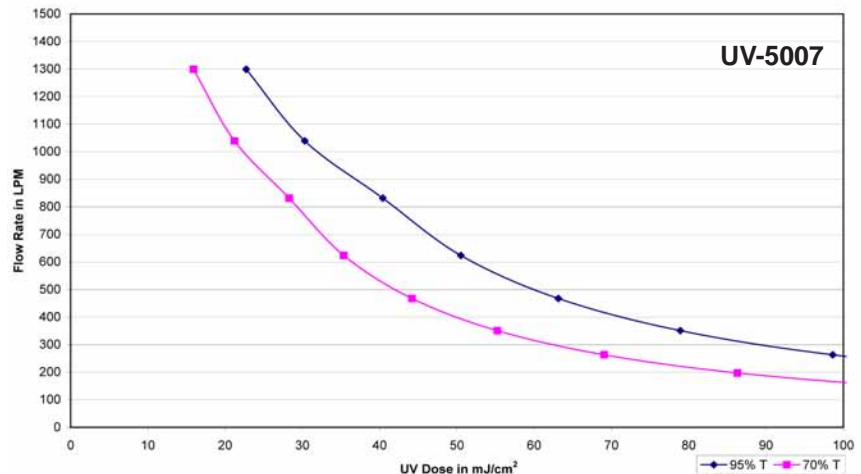
### WYCKOMAR 250 GPM Skid Mount

<b>Rated Flow:</b>	946 litres per minute (250 gpm) 56,7600 litres/hour, 1.36 mio litres/day (15,000 gallons/hour, 360,000 gallons/ day)
<b>Initial UV Dose at Rated Flow:</b>	35 mJ/cm <sup>2</sup> (35,000 μwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	100-130V / 50-60 Hz 220-240V/ 50-60 Hz
<b>Approx. Power Usage:</b>	700 W
<b>Maximum Operating Temp:</b>	37 °C (98.6 °F)
<b>Maximum Operating Pressure:</b>	125 psi – 8.6 bar (tested to 500 psi)
<b>Plumbing:</b>	3" Flange In/Out
<b>Chamber Material:</b>	316L Stainless Steel
<b>Filtration (in SS Housings):</b>	50, 20 and 1A Micron Sediment Filter Custom Filter Configurations Available
<b>Additional Features (Optional):</b>	Real Time Monitoring of UV, TDS, ORP Pressure gauges, Test Ports, Solenoid Valve

This All-in-One Water Treatment System, installed at the point of entry, is ideal for commercial and industrial operations where a high volume output is required, e.g. for process water disinfection. The system offers multiple levels of sediment and carbon filtration down to 1 micron, using high-volume, stainless steel filter housings and is ideal for the treatment of ground or surface water. It will purify the source water of most harmful microorganisms such as viruses, bacteria and protozoa with a powerful UV disinfection dose that will inactivate the pathogens at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others). The water is enriched with chlorine on its last stage for downstream protection.

This skid mounted system offers very efficient water treatment at a low cost per unit volume. The system is designed for transportation and installation and is fully tested prior to shipment.

### Dose Chart



### Fail-Safe Operation with UV-Monitor

The monitor is a safety device that monitors the UV systems' effectiveness in real time and displays the UV intensity on the meter face. Turbidity and ORP levels may also be monitored based on configuration chosen. The monitor will sound an alarm and trigger a solenoid shut-off valve in case the UV lamp burns out or the dose is inadequate for proper disinfection. Pressure gauges on the filter housings ensure easy monitoring of the filter status.



Specifications may be subject to change



## Cabinet Mounted Water Treatment System

Ozone - Backwashable Filtration - UV Disinfection  
Final Polish Filtration to Sub-Micron Level  
Various Configurations and Flow Rates Available



## SPECIFICATIONS

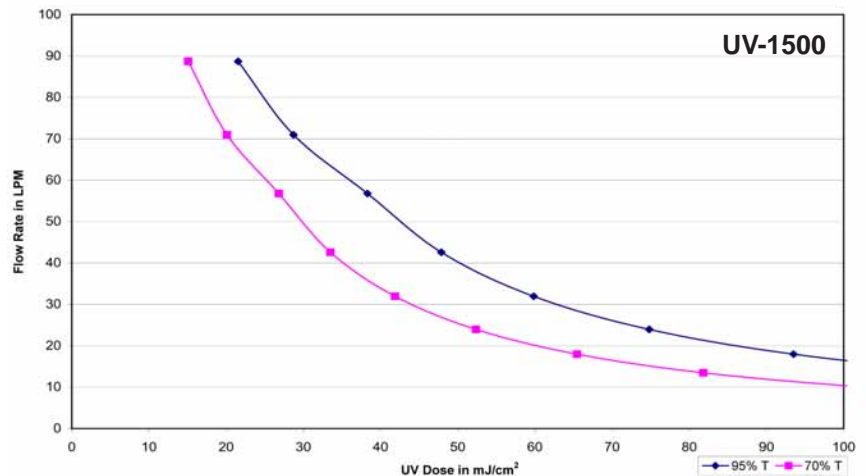
### WYCKOMAR Cabinet Mount Water Treatment Combines Iron Removal with UV Disinfection and Multi-Level Filtration in a Secure Cabinet

<b>Rated Flow:</b>	38 litres per minute (10 gpm) 2,280 litres/hour, 54,720 litres/day (600 gallons/hour, 14,400 gallons/ day)
<b>Initial UV Dose at Rated Flow:</b>	55 mJ/cm <sup>2</sup> (55,000 μwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	100-130V / 50-60 Hz 220-240V/ 50-60 Hz
<b>Maximum Operating Temp:</b>	37 °C (98.6 °F)
<b>Maximum Operating Pressure:</b>	125 psi – 8.6 bar (tested to 500 psi)
<b>Plumbing:</b>	1" MNPT In/Out
<b>Chamber Material:</b>	304L Stainless Steel (316L available)
<b>Filtration:</b>	Backwashable Carbon Filter (2 cf of media)
<b>Ozone:</b>	Air Dryer, Ozone Generator, Contact Tank, Venturi Injector
<b>Polish Filtration:</b>	20 and 5 Micron Sediment, 10 M Carbon
<b>Optional:</b>	On Board Pump

This portable All-in-One Water treatment System, installed at the point of entry, is designed for the treatment of well water to a potable purity level. It combines ozone injection technology with efficient high-volume carbon filtration, optimized especially for the removal of higher than normal levels of iron and manganese. It is ideal for commercial, industrial and outdoor applications. The integrated UV-1500 sterilizer kill pathogens (harmful microorganisms such as viruses, bacteria and protozoa) with a powerful UV disinfection dose that will inactivate the pathogens at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others)

The system includes manual shutoff valves and an optional glycol flushing tank for trouble-free stand-by mode under freezing outdoor conditions).

#### Dose Chart



#### Water Treatment in Secure Cabinet

This cabinet mounted system offers very efficient water treatment. It can easily be upgraded for higher flow rates. The lockable cabinet safeguards the equipment against tampering and manipulation, for peace of mind when used in critical environments.

The system is fully tested prior to shipment.





***Skid Mounted Hard Water Treatment System***  
***Water Softening – Iron Removal – UV Disinfection***  
***Simple To Install and Operate Anywhere – Custom Systems Available***  
***Various Flow Rates Available***



## SPECIFICATIONS



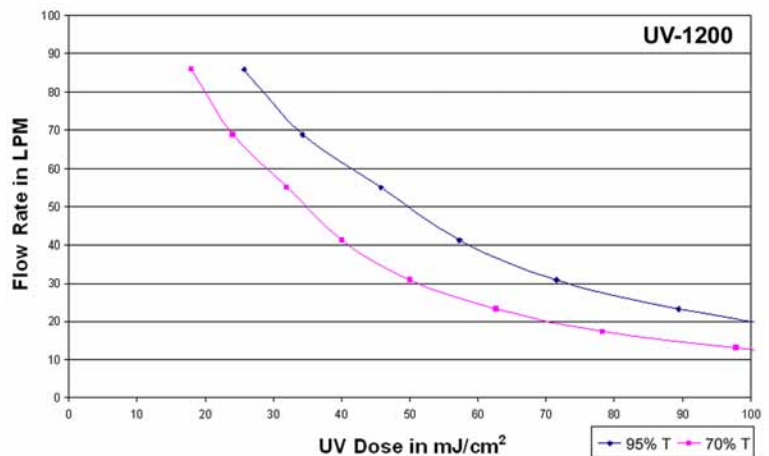
### WYCKOMAR Hard Water Treatment System Softening – Iron Removal – UV-Disinfection

<b>Rated Flow:</b>	38 litres per minute (10 GPM) 22800 litres/hour, 54,720 litres/day (600 gallons/hour, 14,400 g/ day)
<b>Initial UV Dose at Rated Flow:</b>	63mJ/cm <sup>2</sup> (63,000 uwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	100-130V / 50-60 Hz 220-240V/ 50-60 Hz
<b>Maximum Operating Temp:</b>	37°C (98.6°F)
<b>Maximum Operating Pressure:</b>	125 psi – 8.6 bar (tested to 500 psi)
<b>Plumbing:</b>	1" MNPT In/Out
<b>Chamber Material:</b>	304L Stainless Steel (316L available)
<b>Filtration:</b>	Backwashable Birm Filter (2 c/f of media) Includes Air Injection, Off Gas Valve
<b>Water Softener:</b>	70,000 Grain
<b>Polish Filtration:</b>	5 Micron Sediment

This portable All-in-One Water Treatment System, installed at the point of entry, is designed for the treatment of well water to a high purity level. It is ideal for commercial and industrial applications in hard water regions. The system combines high volume air birm filtration and water softening for removal of high iron and manganese levels. The integrated UV-1200 sterilizer kills pathogens (harmful microorganisms such as viruses, bacteria and protozoa) with a powerful UV disinfection dose at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others). The system includes manual shut-off valves.



### Dose Chart



### Treat Multiple Water Quality Issues With One System

The system as pictured is designed for a flow rate of 12 GPM, but can easily be upgraded for higher flow requirements.

This skid mounted system offers very efficient water treatment at a low cost per unit volume. The system is designed for ease of installation and is fully tested prior to shipment.



Specifications may be subject to change



***Water Purification Systems For Use  
In Hazardous Areas And Extreme Environments***

**Class I Division II Certified**

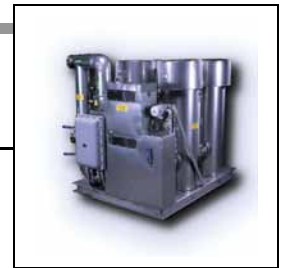
**Heat Tracing Available For Use In Sub-Zero Environments**

**Multiple Filtration Levels to 1 Micron Plus UV Disinfection**

**Various Flow Rates Available – Custom Systems Available**



## SPECIFICATIONS



### WYCKOMAR 60 GPM Class I Division II for use in Hazardous Areas - Skid Mount

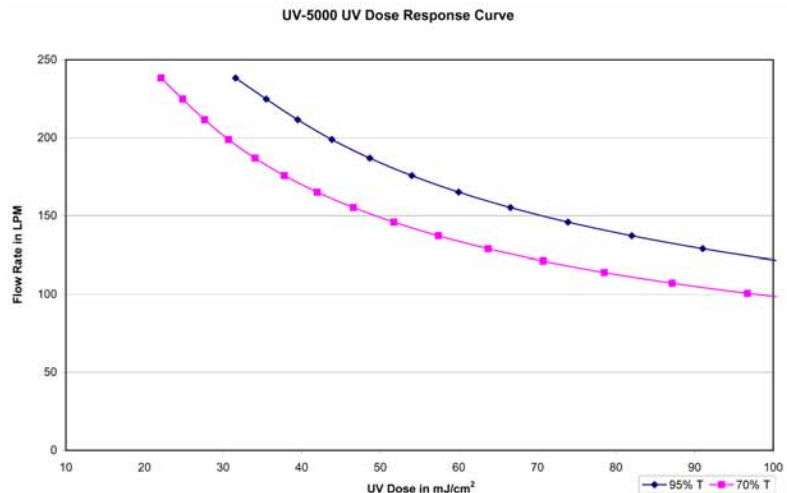
<b>Rated Flow:</b>	226 litres per minute (60 GPM) 13560 litres/hour, 325440 litres/day (3600 gallons/hour, 86400 gallons/ day)
<b>Initial UV Dose at Rated Flow:</b>	36 mJ/cm <sup>2</sup> (36,000 uwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	100-130V / 50-60 Hz / 192 VA 220-240V/ 50-60 Hz / 154 VA
<b>Maximum Operating Temp:</b>	37°C (98.6°F)
<b>Maximum Operating Pressure:</b>	125 psi – 8.6 bar (tested to 500 psi)
<b>Plumbing:</b>	3" Flange In/Out
<b>Chamber Material:</b>	304L Stainless Steel (316L available)
<b>Filtration (in SS Housings):</b>	Sediment 50, 20 and 1 Micron Absolute Carbon Block 5 Micron
<b>Additional Features:</b>	CIDII Rated Enclosure

This All-in-One Water Treatment System, installed at the point of entry, is ideal for heavy-duty industrial applications in extreme environments. The enclosure is Class I Division II Certified explosion-proof. The system will purify the source water (drawn from a well or a lake) of most contaminants such as sediments, heavy metals and pesticides with filtration in 3 stages down to

1 micron. Carbon filtration reduces taste and odor, including sulphur smell. Harmful microorganisms such as viruses, bacteria and protozoa are killed with a powerful UV disinfection dose that will inactivate the pathogens at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others).



### Dose Chart



### Hazardous Areas Are No Problem

This Skid Mounted system offers very efficient water treatment for use in extreme environments at a low cost per unit volume. The system is designed for ease of installation and is fully tested and certified prior to shipment.



Specifications may be subject to change



## **Solar-Powered UV Drinking Water Purification System**

Off-Grid Water Treatment for Use Anywhere Mounted on Cart

Pump, Dual Filter Set, UV Disinfection  
12 Volt Power Pack, 55 Watt Solar Panel





## SPECIFICATIONS



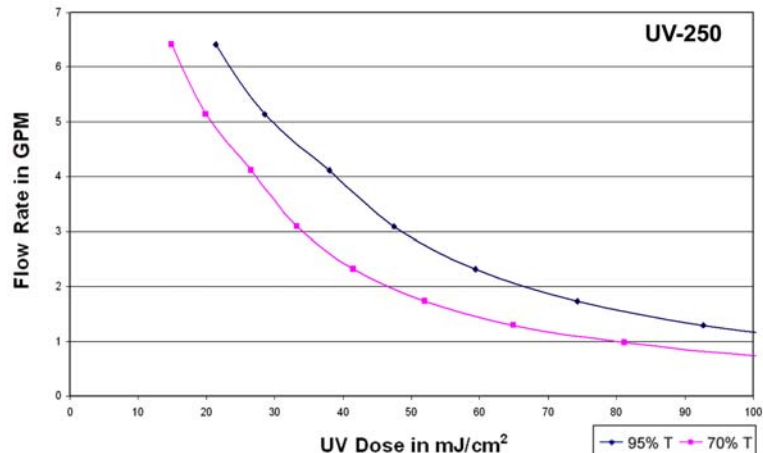
### WYCKOMAR Solar Powered UV-250

<b>Rated Flow:</b>	16 litres per minute (4 GPM) 960 litres/hour, 23040 litres/day (240 gallons/hour, 5760 gallons/ day)
<b>Initial UV Dose at Rated Flow:</b>	46mJ/cm <sup>2</sup> (46,000 uwsec/cm <sup>2</sup> ) @ 95% T
<b>Electrical:</b>	12 Volt Battery Power Pack 55 W Solar Panel
<b>Approx. Power Usage:</b>	23.4 W
<b>Maximum Operating Temp:</b>	37°C (98.6°F)
<b>Maximum Operating Pressure:</b>	45 psi – 3 bar
<b>Plumbing:</b>	3/8" Outlet (Compression Fitting)
<b>UV Chamber Material:</b>	304L Stainless Steel (316L available)
<b>Filtration:</b>	5 Micron 10" Sediment Filter 5 Micron 10" Carbon Block Filter
<b>Approx. Size:</b>	L 31" x W 27" x H 49"
<b>Approx. Weight:</b>	200 lbs

The Solar Powered UV-250 System combines high quality pre-filtration with our proven ultraviolet purification technology to produce a complete water quality system for use in "off-grid" applications, where no power outlet is available. The filter system removes sediment, rust, dirt, taste and odours that may be present in the source water, and can easily be customized for the removal of other contaminants. The integrated UV-250 sterilizer kills pathogens (harmful microorganisms such as viruses, bacteria and protozoa) with a powerful UV disinfection dose at a kill rate of >99.9% (*Giardia*, *E.coli*, *Cryptosporidium*, *Vibria cholera*, *Legionella*, *Salmonella*, *Shigella*, *Streptococcus* and many others).



### Dose Chart



### Drinking Water Where it is Needed

This system collects sunlight to charge the on-board battery pack. It then uses the generated power to pump and process local source water to produce high-quality clean water safe for human consumption.

This cart mounted system offers very efficient water treatment at a low cost per unit volume. The system is fully tested prior to shipment and is designed for a quick set up right out of the box.

Specifications may be subject to change

