



# Reverse Osmosis System

## AS-ROS System Highlights

The AS-ROS waterjet reverse osmosis system features a compact free standing design, excellent pre-filtration and high quality components. Able to support 500-2000 GPD, the AS-ROS offer high performance, high recovery rates and low energy consumption, allowing you to experience greater savings with lower maintenance and operation costs.



2000 gpd shown

### 1 | WATERJET SPECIFIC DESIGN

Designed specifically for the waterjet industry to produce high quality RO water at a rate that supports waterjet pumps up to 75 hp.

### 2 | PLUG AND PLAY

The RO System includes all the necessary parts and connections to seamlessly connect your softened water to your waterjet pump.

### 3 | ON-DEMAND RO

The onboard boost pump and accumulator, combined with the atmospheric tank, provide a readily available source of pressurized RO water directly to your system.

### 4 | MAXIMIZED WATER CONSUMPTION

The RO unit is designed with oversized water filters and cold water membranes that efficiently and effectively process the incoming water while producing the a 63% recovery rate.

This means less water is going down the drain and more pure RO water is being sent directly to the cutting head.

### 5 | BLENDING OPTIONS

The RO system is equipped with a digital TDS meter for instant TDS readings. With this you are able to visually see the quality of the water being produced and the blending valve allows you to instantly adjust the water any specific setting.

## HOW THE SYSTEM WORKS

Reverse Osmosis works by forcing the incoming softened water through a semi-permeable membrane to remove dissolved solids and hard ions. The resulting water is sent directly to the waterjet pump.

## Specifications

Models:	AS-ROS 500	AS-ROS 2000
<b>Design and Rates</b>		
Gallons Per Day (gpd)	500	2000
Feed Water Source	Softened	Softened
Standard Recovery Rate	26%	63%
Permeate Flow gpm (lpm)	0.35 (1.32)	1.38 (5.22)
Min Feed Rate (lpm)	1.5 (5.67)	2.5 (9.46)
<b>Connections</b>		
Inlet (Feed) inch	1" FNPT	1" FNPT
Outlet (Permeate) inch	3/8" Tube	3/8" Tube
Drain (Concentrate) inch	3/8" Tube	3/8" Tube
<b>Electrical, RO</b>		
Motor HP (kw)	1/3 (0.24)	3/4 (0.55)
Standard Voltage	110V 60Hz 1 PH	110V 60Hz 1 PH
Voltage Options*	220V 60Hz 1PH , 220V 50Hz 1PH	220V 60Hz 1PH , 220V 50Hz 1PH
Voltage Amp Draw (110v 60Hz/220V 60Hz/220V 50Hz)	6.6 / 3.2 / 3.7	11 / 5.6 / 6.6
<b>Electrical, Boost</b>		
Motor HP (kw)	1/2 (3.7)	1/2 (3.7)
Standard Voltage	115V 60Hz 1 PH	115V 60Hz 1 PH
Voltage Options*	220V 60Hz 1PH , 220V 50Hz 1PH	220V 60Hz 1PH , 220V 50Hz 1PH
Voltage Amp Draw (110v 60Hz/220V 60Hz/220V 50Hz)	7.2 / 3.7 / 4.3	7.2 / 3.7 / 4.3
<b>System Dimensions</b>		
L x W x H inch (cm)	35 x 30.3/8 x 30 (89 x 77 x 76.2)	35 x 30.3/8 x 49 (89 x 77 x 124)
Weight lb. (kg)	196 (88.9)	241 (109.32)

\*Must Specify voltage options when ordering. Longer lead times apply.