

Sea-R.O., Inc.

System Specifications - Models IISBW150 - IISBW2000

Standard Features:

- ❖ Thin Film Composite brackish membranes - industry standard
- ❖ 316 SS high pressure pump, tubing and fittings
- ❖ safety pressure relief valve (IISBW150-600)
- ❖ 5 micron Prefilter
- ❖ Epoxy coated steel or powder coated aluminum frame
- ❖ Fiberglass pressure vessels
- ❖ Automatic feed water shut off valve
- ❖ Electrical control panel
- ❖ High pressure control valve and gauge
- ❖ 300 gallon storage tank
- ❖ 1/2hp re-pressurization pump with 20 gallon accumulator tank
- ❖ liquid level switches to automatically switch RO unit on and off to keep storage tank full.

Optional Features:

- ❖ 50hz motors for European voltage
- ❖ 60hz single phase
- ❖ Recycle valve
- ❖ Low and high pressure shut down switches
- ❖ flow meters for product and reject
- ❖ water quality (tds) monitor and controller
- ❖ Prefilter inlet and outlet gauges
- ❖ PH or ORP monitor system
- ❖ Dosing system
- ❖ Automatic fresh water flush system at shutdown
- ❖ 3/4 hp re-pressurization pump
- ❖ 500 and 1000 gallon storage tanks

System specifications

Model	GPD	Inlet	Membranes	Size	Recovery	Horsepower
IISBW150	150	3/4"	1	2.5x21"	4%	.75
IISBW300	300	3/4"	1	2.5x40"	9%	.75
IISBW600	600	3/4"	2	2.5x40"	18%	1
IISBW1000	1000	1"	1	4.0x40"	14%	5
IISBW2000	2000	1"	2	4.0x40"	26%	5

Above performance is based on feedwater at 10,000 ppm at 77 degrees F.

Specifications - storage tanks and re-pressurization systems

ITEM	DIAMETER	HEIGHT	capacity	drawdown	Flow rate	pressure
TANK 300 GALLON	35	78	300	N/A	N/A	18
TANK 500 GALLON	48	71	500	N/A	N/A	18
TANK 1000 GALLON	64	79	1000	N/A	N/A	18
Pressure pump 1/2 hp	18	48	20	7.4	9GPM 4GPM	30PSI 50PSI
Pressure pump 3/4 horsepower	18	48	20	7.4	13.5GPM 6GPM	30PSI 50PSI

Above specifications are in inches, gallons per minute, and psi.