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**WATERITE, INC.
PRODUCT SPECIFICATION SHEET
RO-SYS-011R0**

**VECTAPURE RSX II 800 LITE COMMERCIAL REVERSE
OSMOSIS SYSTEMS**

A. GENERAL SPECIFICATIONS

MODEL # RSX800LB

TYPE: Low Pressure Reverse Osmosis, Encapsulated Spiral Wound Membrane(s) in series,

FEED WATER PRESSURE: 40 psi minimum, 80 psi maximum

FEED WATER TEMP: 1-35° C maximum (34-95 ° F maximum)

B. MATERIAL SPECIFICATIONS:

FRAME COLOUR: White enamel

FRAME MATERIAL: Mild steel angle frame, rubber leveling feet

FRAME DIMENSIONS:

Height 33.5" (86cm)

Width 19.0" (48 cm)

Depth 18.4" (47cm)

MEMBRANE: ***BLACK MAX®***, spiral wound TFC, BME-3013, 400 GPD permeate @ 300 TDS, 150 psi, 25°C feed

FEED WATER INLET: 3/8"

WASTE WATER OUTLET: 1/4"

PRODUCT WATER OUTLET: 3/8"



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SYSTEM FITTINGS:	Standard pressure push-on
TUBING:	Low pressure 3/8" LDPE, clear Low pressure 1/4" LDPE, clear Low pressure 1/4" LDPE, black
PREFILTRATION HOUSINGS:	Polypropylene, full flow 10", 125 psi rated, o-ring seated with threaded cap, pressure release
FILTER CARTRIDGES:	Melt-blown spun polypropylene 5-micron
MEMBRANE HOUSING:	Encapsulated PP housing with 1/4" quick fit adapters on all ports

C. PERFORMANCE SPECIFICATIONS

PERMEATE PRODUCTION

RATE: .27 USG/min. (1.0 litres/min.)
Production rate @ feed water of 300 ppm NaCl, 25°C, 7.5pH 60 psi, 15 % recovery

WASTE PRODUCTION RATE:

Feed Water <1000 TDS .27 USG/min. (1.0 litres/min.)
Feed Water >1000 TDS .54 USG/min. (2.0 litres/min.)

D. RECOMMENDED FEED WATER PRETREATMENT SPECIFICATIONS:

TDS:	< 2000 TDS
HARDNESS:	< 6 grains/gal. (103 mg/l)
TOTAL IRON:	< .05 ppm
TANNIN:	< .5 ppm
CHLORINE:	< .1 ppm
pH:	5.5 – 9.5
ORGANIC/MICROBIOLOGICAL	
ACTIVITY:	0
MANGANESE:	<.05 ppm
HYDROGEN SULPHIDE:	0
TURBIDITY:	SDI < 5.0

E. STANDARD EQUIPMENT

Permeate/Waste flow meters
Auto shut off valve
2 Channel TDS monitor (Feed/Permeate)
Pre/Post Filter Pressure gauges

F. DRY WEIGHT: 18.14kg (40Lbs)



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