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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:	1-35º C maximum (34-95 º 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, 25ºC feed
FEED WATER INLET:	3/8”
WASTE WATER OUTLET:	1/4”
PRODUCT WATER OUTLET:	3/8”

SYSTEM FITTINGS:	Standard pressure push-on
TUBING:	Low pressure 3/8" LDPE, clear Low pressure ¼" 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 ¼" 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, 25ºC, 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)