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**WATERITE, INC.  
PRODUCT SPECIFICATION SHEET  
RO-MEM-005 R3**

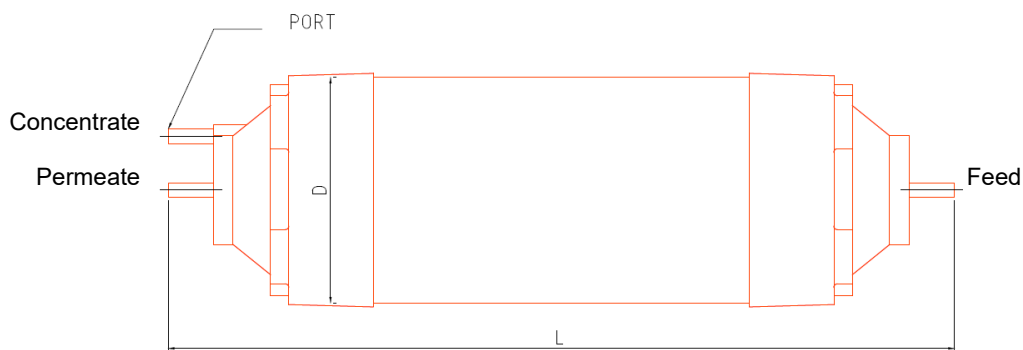
**BLACK MAX RESIDENTIAL TFC ENCAPSULATED  
REVERSE OSMOSIS MEMBRANE ELEMENTS**

**A. GENERAL SPECIFICATIONS**

**TYPE:** Spiral wound TFC Encapsulated Reverse Osmosis membranes  
**FEED WATER PRESSURE:** 30 psi minimum, 80 psi maximum  
**FEED WATER TEMP:** 35° C (104° F) maximum

**DIMENSIONS:**

Model No.	L		D		Port
	Inches	CM	Inches	CM	
BME1812RE75	13.0	33	2.5	6.35	1/4" QC
BME3013SXL	13.0	33	3.8	9.65	1/4" QC



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**PACKAGING:** Dry elements are packaged in a vacuum sealed plastic bag with no preservative and should be kept in their sealed bag until they are used.

**TRADE NAME:** **BLACK MAX®**

### **B. PERFORMANCE SPECIFICATIONS**

Model No.	Permeate Flow Rate		Minimum Salt Rejection (%)	Stabilized Salt Rejection (%)
	Gals/Day	Liters/Day		
BME1812RE75	75	284	95	97
BME3013SXL	400	1514	95	97

*Production rate @ feed water of 300 NaCl, 7.2 pH, 25°C, system pressure @ 60 psi, 15 % recovery  
Permeate flow may vary +/- 15%.*

### **C. RECOMMENDED FEED WATER PRETREATMENT SPECIFICATIONS:**

**TDS:** < 1500 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:** < 1NTU  
**SILT DENSITY INDEX:** < 5.0

### **D. OPERATING AND STORAGE AND WARRANTY INFORMATION**

1. Elements must be kept sealed when in storage. Drying out will irreversibly damage the membranes.
2. Prevent elements from freezing, or being exposed to direct sunlight.
3. Elements are shipped in sealed and contain a preservative solution of 1-2% (by weight) of sodium metabisulphite (food grade).
4. Discard permeate from the first hour of operation.
5. Membrane Elements for residential systems have a one year warranty from the date of shipment. Warranty is void for membrane elements fouled by suspended solids, precipitates or biological growth. Membrane warranty is also void if the membrane elements are improperly used, poorly maintained or improperly stored.



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