



FORMULAS

CALCULATING THE % REJECTION FOR A MEMBRANE

PRODUCT TDS ÷ FEED WATER TDS, MINUS 1 = % REJECTION

EMPTY BED CONTACT TIME

7.48 x CUBIC FEET OF CARBON IN THE PRIMARY BANK ÷ THE FLOW TO THE R.O. SYSTEM = EBCT. THE FLOW TO THE R.O. SYSTEM CAN BE TAKEN FROM THE PRE-TREATMENT FLOW METER.

CONVERSIONS

3,785 CC'S PER GALLON

3.785 LITERS PER GALLON

7.48 GALLONS PER CUBIC FOOT

TO DETERMINE WATER SOFTENER REQUIREMENT

GALLONS PER DAY USED x HARDNESS OF FEED WATER (IN GRAINS) ÷ 30,000 = CUBIC FEET OF SOFTENER RESIN REQUIRED. 1 CUBIC FOOT OF WATER SOFTENER RESIN WILL ACCOMMODATE 30,000 GRAINS OF HARDNESS.