



AUTOMATIC DEIONIZERS

TWO COLUMN

This style of deionizer consists of two media tanks in series. The first tank contains cation resin in the Hydrogen (H) form and the second tank contains anion resin in the Hydroxyl (OH) form. Typical treated water quality is in the range of 50,000-250,000 ohm resistivity depending on feed water chemistry and 1,000,000 to 2,500,000 ohm resistivity with R.O. water as a feed.

These units are designed to regenerate with chemicals **DIRECTLY FROM THEIR SHIPPING CONTAINERS** —**NO HANDLING REQUIRED.** Chemicals used are 30% Hydrochloric (HCl) acid and 50% liquid Sodium Hydroxide (NaOH).

Systems are fully automatic with regeneration initiated by a field adjustable resistivity meter. A manual override is included to allow the operator to finish a “run” without interruption. All systems fully assembled and wet tested prior to shipment

MODEL	CAPACITY GRAINS	FLOW GPM	RESIN Cu. Ft.(1)	SIZE-IN. W x D x H
DDI-20	20,000	4	1.0	48 x 16 x 65
DDI-30	30,000	6	1.5	48 x 16 x 72
DDI-40	40,000	8	2.0	48 x 16 x 72
DDI-50	50,000	10	2.5	48 x 16 x 70
DDI-60	60,000	12	3.0	48 x 16 x 72
DDI-70	70,000	12	3.5	48 x 18 x 82

(1) Per Tank

CUSTOM SIZES QUOTED UPON REQUEST



MIXED BED SINGLE TANK

This style of deionizer consists of both the cation and the anion resin mixed within the same tank for the ultimate in the reduction of dissolved solids. Treated water quality is from 10,000,000 to 18,000,000 ohm Resistance. Resins are separated during regeneration with HCl and NaOH and then re-mixed with air for service (a source of compressed air delivering 6.5 scfm/sq. ft. tank area is required). A softener is also required to pre-treat the anion regeneration water.

MODEL	CAPACITY GRAINS	FLOW GPM	RESIN CU. FT.(2)	TANK SIZE-IN. DIA. X HT.
MBDI-45	45,000	10	5	16 X 84
MBDI-70	70,000	20	8	20 X 84
MBDI-110	110,000	30	13	24 X 84
MBDI-170	170,000	50	19	30 X 84
MBDI-225	225,000	70	26	36 X 84

(2) 60% ANION / 40% CATION

