

**ALTAIR**

**EQUIPMENT CO., INC.**

335 CONSTANCE DRIVE, WARMINSTER, PA. 18974

**WATER TREATMENT TECHNOLOGIES**

# **SPRAY/SCRUBBER DEAERATORS**

**\*\*RATED FOR OXYGEN REMOVAL TO .005 cc/l\*\***

**\*\*60,000 #/hr OUTPUT FOR SMALLER SIZE POWER PLANTS\*\***

HORIZONTAL DESIGN WITH INTEGRAL STORAGE WELL SUITED FOR LOW HEADROOM INSTALLATIONS (NO CONNECTIONS ON THE TOP OF THE VESSEL)

ALTAIR'S SPRAY/SCRUBBER DEAERATORS, PROVIDE COMPLETE DEAERATION USING SPRING LOADED HOLLOW CONE WATER SPRAY NOZZLES, AND A STEAM SCRUBBER USING LARGE QUANTITIES OF STEAM AT HIGH VELOCITY.

THE SPRAY/SCRUBBER DEAERATOR OFFERS SIMPLE AND EASY OPERATION, WITH A MODERN DESIGN USING FEWER MOVING PARTS THAN OTHER TYPE SCRUBBER DEAERATORS.

INCOMING WATER IS SPRAYED INTO A STEAM ATMOSPHERE WHERE IT IS PRE-HEATED AND THE BULK OF DISSOLVED GASES ARE REMOVED. THE SECOND STAGE SCRUBBER SECTION IS DESIGNED SO THAT THE WATER IS DIRECTED PAST HIGH VELOCITY STEAM JETS TO COMPLETE THE DEAERATION PROCESS.

## **ADVANTAGES/FEATURES**

LOWER INITIAL INVESTMENT  
OXYGEN REMOVAL TO .005 cc/l  
REDUCED CHEMICAL COSTS  
316 S.S. INTERNAL DEAERATING ELEMENT AND VENT CONDENSER  
CONSTRUCTED TO ASME CODE SECTION VIII DIVISION 1  
SPRING LOADED 304 S.S. SPRAY NOZZLE  
2 STAGE DEAERATION  
AVAILABLE AS COMPLETELY PACKAGED DEAERATOR  
WITH STEEL SKID/STAND, PUMPS, VALVES, AND CONTROLS  
VESSELS AVAILABLE IN A WIDE RANGE OF  
DIAMETERS AND LENGTHS WITH MULTIPLE  
DEAERATING ELEMENTS FOR LARGER PLANT REQUIREMENTS

RENTAL AND LEASE TERMS AVAILABLE