

AKD ARAL SAN COMPACT DEAERATOR



CAPACITY RANGE

Manufactured according to customer request from 0.1 ton/h to 50 ton/h of feed water at the operation pressure from 0.2 bar to 5 bar.

ALL IN ONE

Package delivery with its all necessary operation and safety equipment

Condensate tank and deaerator tank combination made from P265GH (AISI 316 optional)

Deaerator drum made from P265GH (AISI 316 optional)

Special type pulverization system with special nozzle made from AISI 316

Heating steam inlet group operating with temperature control consisting of temperature operated pneumatic control valve, pressure reducer, stop valves, strainer, special type steam injection system

Makeup water inlet pneumatic control valve operating with level control

Water circulation pump operating with level control and its valves

Safety syphon

All operation and safety equipment

Outlet and drain valves

Water softener (optional)

Sample cooler (optional)

Chemical dosing system (optional)

Control panel (It may be operated from boiler control panel if boiler and deaerator are ordered together)

SAFETY PROPERTIES

Safe operation with high efficiency

Condensate tank side water temperature control

Condensate tank side water level control

Condensate tank side low water level control

Pump over load control

Deaerator tank side water temperature control

Deaerator tank side water level control

Deaerator tank side low water level control

WHY SHOULD DEAERATOR TO BE USED?

Oxygen (O_2) and carbon-di-oxide (CO_2) gases solved in boiler feed water are excess corrosive gases and causes corrosion on boiler sheets and tubes. They can create small holes on tubes and sheets in short time like 6 months if they can not be eliminated from boiler feed water. The amount of CO_2 in feed water should be zero and O_2 below 0.05 mg/liter.



PULVERIZATION SYSTEM

Special type pulverization system with special nozzle made from AISI 316

Replaceable and never clog AISI 316 stainless steel nozzles

OXYGEN SOLUBILITY CHART

