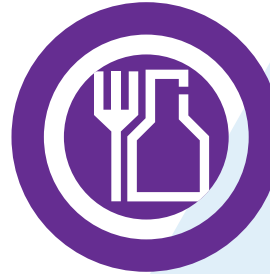


# VAPOR COMPRESSION DISTILLATION

## OVERVIEW:

- Designed and built in accordance with cGMP
- Available individually or as part of a total water treatment solution
- Superior energy efficiency
- All components manufactured by MECO in the U.S. (spare parts available)
- Efficient component layout allows for ease of maintenance and calibration
- Customizable to customer specifications for valves, instruments and other mechanical components
- Optional complete SAT package and execution
- Supported by MECO 24-hour customer service
- Backed by warranty



## PRODUCT HIGHLIGHTS:

### Standard Features

- Unit is completely piped, wired and assembled on a single skid at the factory
  - Fully functional FAT
  - Reduces installation costs and startup time
- Vertical natural circulation evaporator
- Accepts broadest range of feed water quality in the industry
- Reduces scale effects
- No circulation pumps or spray nozzles required
- Straight annealed tubes in evaporator
  - No residual stresses or surface finish problems commonly found with U-tubes
  - Individual tubes can be replaced as opposed to replacing an entire tube bundle
- Deaeration of feed water
- Non-condensibles removed prior to distillation
- Corrosion reduction
- Hot Stand-by
  - Improved response to distillate demand
  - Elimination of bio-growth
- Sanitary construction and connections on product contact
- PLC based controls

### Equipment Details

- State of the art, GII Centurbo™ compressor
  - Stainless Steel compressor impeller
  - Directly mounted with no vapor duct work
- Plate and Frame Heat Exchangers
- Minimum deadlegs where practical
- 304/304L SS process contact components
- Premium valves and instruments
- Pneumatic panel houses all pneumatic components
- Polypropylene air lines
- Stainless steel hardware
- Aluminum cladding

MODEL	CAPACITY IN GPH [LPH]
BES400MSS	400 [1,514]
BES750MSS	750 [2,839]
BES1200MSS	1,200 [4,542]
BES1600MSS	1,600 [6,057]
BES2400MSS	2,400 [9,085]
BES3000MSS	3,000 [11,356]
BES4500MSS	4,500 [17,034]
BES6000MSS	6,000 [22,712]
BES7200MSS	7,200 [27,255]

*Note: All products are produced as cold distillate.*

