OVERVIEW:
- Produces Purified Water (USP Purified), Highly Purified Water (HPW) and Water For Injection (WFI) in accordance with all recognized pharmacopoeias
- Meets/exceeds the exacting standards of the pharmaceutical industry and cGMP requirements
- Available individually or as part of a total water treatment solution
- Superior energy efficiency
- All fabrication is by MECO in the U.S. (spare parts available)
- Efficient component layout allows for ease of maintenance and calibration
- Optional complete validation package with IQ/OQ protocol 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
  - Allows for steaming of distillate line during hot stand-by
  - Elimination of bio-growth
  - Sanitary construction and connections
  - PLC based controls
- Variable output standard
- No oil and oil filter changes

**Equipment Details**
- State-of-the-art, direct drive, GII Centurbo™ Compressor
  - Inconel or 2205 Duplex Stainless Steel compressor impeller
  - Directly mounted with no vapor duct work
  - Double tubesheet heat exchangers
  - Sloped piping and low point drains
  - Minimum deadlegs
  - 316/316L SS process contact components
  - 25 Ra μm (0.64 Ra μm) standard process contact surfaces
  - Premium valves and instruments
  - Pneumatic panel houses all pneumatic components
  - Stainless steel air lines
  - Stainless steel hardware
  - Mirror finish stainless steel cladding

### MODEL | CAPACITY IN GPH [LPH]
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PES400MSSH | 400 [1,514]
PES750MSSH | 750 [2,839]
PES1200MSSH | 1,200 [4,542]
PES1600MSSH | 1,600 [6,057]
PES2400MSSH | 2,400 [9,085]
PES3000MSSH | 3,000 [11,356]
PES3600MSSH | 3,600 [13,626]
PES4500MSSH | 4,500 [17,034]
PES6000MSSH | 6,000 [22,712]
PES7200MSSH | 7,200 [27,255]

Note: All VC Still models are available in both hot and cold distillate arrangements (PESXXXMSSHHC).