

Vapor Compression

Overview:

- Leading manufacturer of vapor compression stills for pharmaceutical water – over 500 installations worldwide.
- Produces purified water (USP Purified) and water for injection (WFI) in accordance with the U.S. Pharmacopoeia.
- Built to the exacting standards of the pharmaceutical industry and cGMP requirements.
- Superior energy efficiency.
- Offers the largest vapor compression pharmaceutical stills available – capacity of 6000 gallons per hour.
- All components manufactured by MECO in the U.S. (Spare parts available)
- Supported by MECO 24-hour customer service.
- Backed by warranty.

Product Highlights:

• Superior Design

- Vertical natural circulation evaporator
- Feed water quality tolerance
- Scale effects reduced
- No pumps or spray nozzles
- Straight annealed tubes in evaporator
- Individual tubes can be replaced as opposed to replacing the entire tube bundle.
- No residual stresses or surface finish problems commonly found with U-tubes.
- Deaeration of feed water
- Non-condensibles removed prior to distillation
- Corrosion reduction
- Hot Stand-by
- Immediate production of distillate
- No pumps running during hot stand-by
- Elimination of bio-growth
- Meets/exceeds cGMP/USP standards
- Sanitary construction and connections
- Double tubesheet heat exchangers
- Sloped piping and low point drains
- Minimum deadlegs

• MECO Vapor Compressor

- Manufactured by MECO
- Immediate spare parts availability
- Exchange program
- Inconel impeller and 316SS process contact components
- New Lube Lock Sealing System
- Directly mounted with no vapor duct work
- Space friendly
- Smaller footprint
- Easy access for maintenance

• Design Details

- Allen Bradley PLC control system
- 25 Ra standard process contact surfaces
- Galvanized rigid steel conduit
- Stainless Steel Airlines
- Mirror finish stainless steel cladding



Technical Data

Model	Capacity (GPH)	Operating Load (KW)	Stm Consumption (lbs/hr)	Dimensions (L x W x H)	Weight (lbs)
PES200MSSH	200	14.1	210	90 x 74 x 118	5400
PES300MSSH	300	21.6	330	90 x 74 x 118	5600
PES400MSSH	400	25.3	430	90 x 74 x 118	5600
PES600MSSH	600	32.8	650	100 x 85 x 121	7600
PES800MSSH	800	40.3	840	108 x 91 x 114	8400
PES1000MSSH	1000	47.7	1020	108 x 91 x 114	8600
PES1200MSSH	1200	58.9	1200	126 x 112 x 144	14800
PES1600MSSH	1600	77.5	1650	126 x 112 x 144	15900
PES3000MSSH	3000	153.6	3050	156 x 129 x 147	29000

