

MYTHS VS FACTS

Water Myths

Ambient Methods of Generating
Water for Injection



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**MYTHS
VS
FACTS**

The results of a recent poll on LinkedIn:

9% of the respondents expressed concerns about excessive wastewater/ system recovery as the most likely reason for slower adoption of Ambient methods of generating WFI & PW.

“Ambient Water for Injection (WFI) Generation Systems generate large amounts of wastewater.”

MYTHS VS FACTS

MYTH

“Ambient Water for Injection (WFI) Generation Systems generate large amounts of wastewater.”

Mostly False:

All membrane, distillation, and precipitation-based water treatment processes generate a wastewater stream that is used to carry away contaminants removed from the raw water source. The ratio of treated water to wastewater is known as ‘Recovery’ and, in general, a distiller recovers >90% of the water supplied to it and membrane systems operate around 75% Recovery. This means that if both processes were sized for the same amount of product water, the membrane system would create 3x the amount of wastewater as the still. The reality of situation is that many distillers actually use membrane systems as pretreatment and many options are available for higher membrane performance or wastewater recovery.

MYTHS VS FACTS

TORRENT™

Performance and Efficiency

- Torrent™ WFI and PW membrane systems set a new benchmark with a base recovery of 80-85% recovery depending on feedwater conditions.
- Advanced process automation allows for close to 100% recovery in certain operating modes.
- Aqua-Chem can work with our customers to evaluate wastewater recovery systems to maximize your facility's water utilization metrics.

Membrane systems are already known for reduced energy consumption vs distillation and with our advanced designs, Aqua-Chem's water efficient Torrent™ Systems help our customers enjoy the best of both worlds while minimizing the environmental impact of WFI and PW production.

Want to learn
more about

TORRENTTM?

Visit:

www.Aqua-Chem.com/Torrent/

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