



# Ecovap-BMSW™ evaporation

Achieve ZSD with consistent & lower cost of operations

Ecovap-BMSW™ system help the distilleries to attain ZSD status while achieving lower water & energy footprint by 40%.





Distilleries having biomethanation as a primary treatment system are often faced with effluent disposal issues post-biomethanation ranging from area/pressmud available for composting, perennial rains, high cost of secondary and tertiary treatment and many others.

Ecovap™-BMSW evaporation system helps these distilleries to overcome these issues while complying with ZSD norms. And in doing so, it also reduces overall water footprint of a distillery by 30-40%.

Ecovap™-BMSW technology comprises of Pre treatment, evaporation and condensate polishing. BMSW is pre treated for consistent operation in evaporation. The process condensate generated in evaporation is treated so as to be reused in the distillery plant.

Ecovap™-BMSW is suitable for greenfield or brownfield distillery using sugary feedstock and its variants. It can be integrated with an existing distillation plant for energy reduction.

### Benefits :

- Integrated evaporation results in lower energy consumption and in select cases virtually with no additional energy.
- Unique pre treatment system for biomethanated spent wash reduced foaming/scaling resulting in consistent operation with minimum CIP requirement and downtime.
- Specially developed process condensate polishing system enabling recycle of minimum 90% of process condensate reducing water footprint by 30-40% in the distillery.
- All these helps to reduce operating cost in terms of energy, chemical consumption and consistent operations.

### Schematic



**Certification** ASME, TUV, CE, CCODE, ISO 9001 or any other global standards are required.



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