

DESALINATION PACKAGES

NAPEEC designs and supplies desalination plants based on evaporative processes, suitable to treat sea water and produce fresh water of the highest quality.

The Plants by **NAPEEC** are supplied as package units and include all the auxiliary systems for proper operation and easy maintenance.

NAPEEC Design & Supply Desalination package with license of WET (Water Edge Technologies) company.



MSF desalination Plant



MED plant

NAPEEC/WET technology ensures the highest thermodynamical efficiency and the maximum degree of purity for any industrial demand.

The knowhow of **NAPEEC/WET** is supported by decades of experience of its engineers and proven by a large number of units in operation worldwide servicing power plants, refineries and petrochemical complexes.

The processes covered by **NAPEEC/WET** Know how and expertise are:

MSF
MULTISTAGE
FLASH

MED/TVC
MULTIPLE EFFECT
(Thermal-Vapour-Compression)

MED/MVC
MULTIPLE EFFECT
(Mechanical-Vapour-Compression)

LTF
Low Temperature Flash

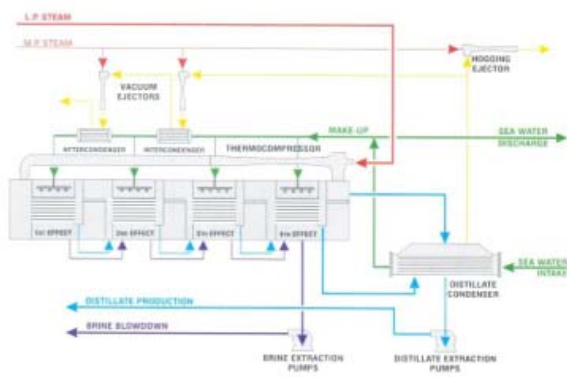
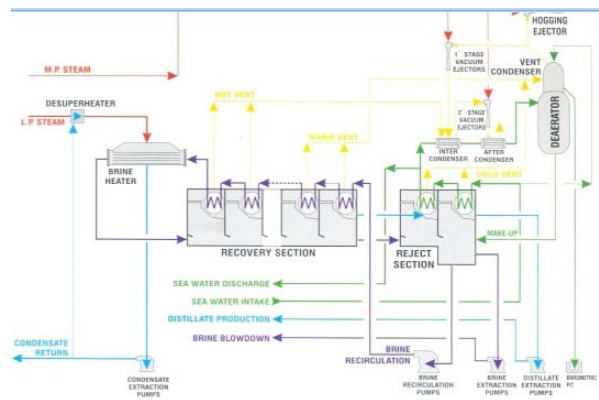
NAPEEC units are constructed in accordance with the most severe and test procedures. **NAPEEC** units are available with high grade materials such as titanium, Copper alloys, stainless steel and duplex steel.

Our engineers are available to assist **NAPEEC's** customers in the selection of the best operation conditions and of the most convenient materials according to the requirement of each project.



MSF MULTI STAGE FLASH PROCESS

- Capacity from 300 to 5000 t/d production
- Purity achieved up to 1 ppm TDS ($2\mu\text{S}/\text{cm}$ Conductivity)
- Packaged design for lower capital and installation cost
- High grade materials available for the tubes and the evaporator shell
- Manhole accesses to all flash chambers for easy maintenance.
- Very High flexibility from 35% to 110% Capacity
- Fully automatic options available

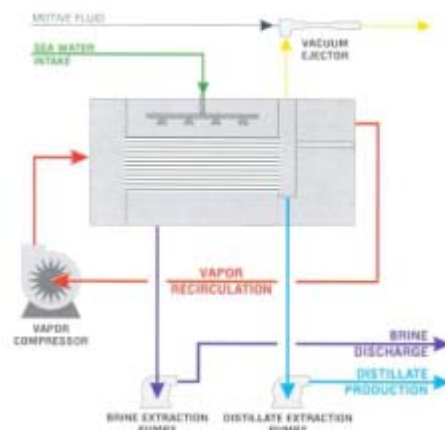


MED MULTIPLE EFFECT DISTILLATION

- Capacity from 50 to 3000 t/d production
- G.O.R. ensured from 2.5 up to over 12 Thermo compressor applicable for enhanced efficiency
- Low operating temperature, for scaling prevention
- High grade materials available on request
- Package design for lower capital and installation cost
- Fully automatic options available

MVC MECHANICAL VAPOR COMPRESSION

- Capacity from 10 to 600 t/d production
- Compressor manufactured by severely selected sub suppliers for long life and reliable assistance
- Antivibration coupling between evaporation and compressor ensures smooth operation
- Low electrical consumption
- High grade material available for easy regulation
- Fully automatic Package



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