

SEAWATER PRETREATMENT DEVICE

ABSTRACT

An object is to provide a pretreatment device of seawater capable of growing and
5 maintaining a biofilm in a good state on each of a plurality of filters connected in series, by
supplying nutrients appropriately to the filters. A pretreatment device of seawater is used in
removing salt from the seawater to obtain freshwater, and includes: a supply duct (21) through
which the seawater is to be supplied; a plurality of filters (16) including a particulate filtering
material and a biofilm; connecting tubes (23) which connect the plurality of filters in series; a
10 plurality of bypass tubes (24) each of which connects corresponding one of the plurality of
filters to the supply duct; and a plurality of regulating valves (26) each of which is disposed in
corresponding one of the plurality of bypass tubes to regulate a flow rate.

Fig 1.