

DESALINATION APPARATUS

ABSTRACT

An object of the present invention is to provide a desalination apparatus in which a high pressure pump can be operated at a high efficient operation point even when temperature, salt concentration or the like of water to be treated vary. The desalination
5 apparatus includes a high pressure pump 16 which is provided in a first flow path 12 and supplies raw water to a first module 11 at high pressure to apply reverse osmotic pressure to a first module 11 and a second module 14, a third flow path 17 for supplying second concentrated water after separation in the second module 14 to upstream of the high pressure pump 16 in the
10 first flow path 12, and a fourth flow path 25 for supplying a portion of the first concentrated water after separation in the first module 11 to upstream of the high pressure pump 16 in the first flow path 12.

Fig. 1