

ABSTRACT

A marine desulfurization device includes: an absorption tower; a spraying device capable of spraying a cleaning liquid to exhaust gas flowing in the interior space of the absorption tower, the spraying device including a plurality of first spray pipes arranged in the interior space, a first header pipe connected to each of the plurality of first spray pipes, and a plurality of second spray pipes arranged in the interior space below the plurality of first spray pipes and the first header pipe; a cleaning liquid supply device including a cleaning liquid supply pump and a cleaning liquid supply pipe configured to supply the cleaning liquid pressurized by the cleaning liquid supply pump to the first header pipe; a first branch pipe connecting the cleaning liquid supply pipe to each of the plurality of second spray pipes; and an emergency backflow prevention valve configured to prevent backflow to the cleaning liquid supply pump when the cleaning liquid supply pump is stopped, the emergency backflow prevention valve being disposed between the cleaning liquid supply pump and a connection portion where the cleaning liquid supply pipe is connected to the first branch pipe.