

This Sheet Has Been Replaced



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REPLACED

ABSTRACT

FLUID TREATMENT DEVICE AND METHOD

5 A fluid treatment device, especially for reducing or removing the
effects of hard water, has a fluid inlet, a fluid outlet, and a cavity
extending between the inlet and the outlet. A dielectric channel
separator (preferably of plastics material, more preferably PTFE) is
located in the cavity between the inlet and the outlet and extends at
10 least part way along the cavity. The dielectric channel separator
divides the cavity into a plurality of elongate channels which are
mutually coextensive for at least part of their length in the direction
of fluid flow from the inlet to the outlet and are at least partially
bounded by dielectric material. A metallic channel separator,
15 preferably of zinc, can also be provided to provide a degree of
protection against corrosion. The channel separators are preferably
configured to encourage turbulence in the fluid flowing through the
device.

20 [Figure 3]