

## ABSTRACT

## STRAINER ASSEMBLY

A strainer system comprises a strainer housing having an inlet for raw fluid and an outlet for strained fluid; a generally cylindrical strainer basket having a strainer screen and disposed within the housing, the external surface of the strainer screen being in flow communication with the raw fluid inlet and the internal surface of the strainer screen being in flow communication with the strained fluid outlet; a backwash collector assembly comprising a backwash conduit having an opening disposed adjacent the outer surface of the strainer screen, the backwash conduit and the strainer basket being moveable relative to each other, so as to allow the opening to pass across the external surface of the strainer screen. A method of straining a fluid, in particular a liquid, is also provided. Finally, a valve assembly for use in the selective opening and closing of a plurality of backwash conduits is disclosed.

Figure 1