

CAP FILTRATION TOOL AND TRANSFER SYSTEM

ABSTRACT

A cap has recess containing a porous frit and a graded porosity filter located so fluid from a container to which the cap is connected passes through the filter and out a spout on the cap. The filter porosity is selected to pass product expressed from cellular organisms grown in growth media inside the container while filtering out debris. A cap vent allows positive pressure in the container ullage to expedite filtering and reduce agitation of the container contents. This is not just a cap with a filter but an enabling tool. This tool enables total design change in many processes from previous thinking, allowing for the maximization of purified material, and reduction of multiple steps.

Fig. 4