

FILTER MODULE FOR DEAD-END AND CROSS-FLOW FILTRATION**Abstract:**

A filter module for dead-end and cross-flow filtration processes is proposed, especially for use in the fields of the food and beverage industry, the chemical industry, the pharmaceutical industry, biotechnology and environmental applications, the filter module comprising:

- a frame element comprising two substantially planar faces defining first and second openings at opposite sides thereof;
- a first and a second filter medium in the form of a sheet material, said filter media each having a first side and a second side;
- the first and second filter media being attachable in a fluid tight manner to the frame element and fully cover its first and second openings, respectively,
- a space defined and delimited by the frame element and the two filter media, said second sides of the filter media being arranged to face said space; and
- said frame element comprising one or more frame sections accommodating one or more ports providing a fluid flow path from said space to the exterior of the filter module.

Fig. 1a