

A filter element of a filter to purify gaseous and liquid products includes a reinforcing perforated frame and a multilayer filter material of polymeric fibrous material applied on said perforated reinforcing frame and the multilayer filter material is made of successive protective layer, a coalescing layer, a drainage layer, filter layer and an underlying layer, where the protective layer is applied on the coalescing layer and the underlying layer is applied on the perforated reinforcing frame, and the thickness of protective layer is at least 3 mm, the thickness of coalescing layer is 5-10 mm, the thickness of drainage layer is 2-4 mm, the thickness of filter layer is at least 3 mm and the thickness of underlying layer is 5-20 mm, each of the layers of multilayer filter material is made in the form of a cellular structure, the size of filter cells of cellular structure of each layer of the filter material is different and is selected from the condition for filtering capacity of 5-50 microns and 3-50 microns, and the elementary layers of cellular structure of each layer of filter material are formed by laying threads with arrangement of the threads near each other, where the thread thickness is at least 3 microns.