

Title (en)
SELF-CLEANING FLUID FILTER UNIT

Title (de)
SELBSTSTREINIGENDE EINHEIT ZUR FILTRATION VON FLÜSSIGKEITEN

Title (fr)
UNITE AUTO-NETTOYANTE DE FILTRAGE DE FLUIDES

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Application
EP 96930617 A 19960829

Priority
• US 9613822 W 19960829
• US 290495 P 19950829

Abstract (en)
[origin: WO9707869A1] A high volume, self-cleaning filter unit (10) includes at least one cage support (18) with a downwardly angled surface having a direct path filter media (12) sealed thereto, with a suction source (14) to extract filtered fluid from the interior of the cage support (18). During operation of the filtering, particulates clog the filter media (12), and a backwashing (16) is effected by either backflushing with air or the fluid being filtered. Extremely high volumes of fluid can be filtered to a high degree, generally on the order of a few microns, in one step with a very economical filter unit (10). The downwardly angled surface holds the filter media (12) in such a position that a small mesh filter cloth is filtering a nominal size of particles out of the fluid. Oil is rejected by the filter unit (10) at a high rate, making this an effective oil/water separator as well.

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• No further relevant documents disclosed
• See references of WO 9707869A1

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