

Title (en)
INTEGRATED FILTER HOUSING

Title (de)
INTEGRIERTES FILTERGEHÄUSE

Title (fr)
BOITIER DE FILTRE INTEGRE

Publication
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Application
EP 02748057 A 20020531

Priority
• US 0221070 W 20020531
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Abstract (en)
[origin: WO02098535A1] The invention integrates a filter system into a reciprocating piston pump (10) . This design will eliminate the need for extra connection components, increase the maximum internal pressure allowed due to no danger of the filter loosening, ease maintenance and cleaning while also decreasing the overall size of the system. Because the overall size is smaller, less energy is required to change the pressure throughout the system and thus increase overall efficiency compared to previous designs. The invention is a filter element (29) that inserts and becomes integrated with the upper housing (33) of the pump (10). The filter element (29) is inserted into its own cavity and held in place by upper and lower connectors (23, 27) that threadedly engage with the pump housing (33).

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CPC (source: EP US)
F04B 53/16 (2013.01 - EP US); **F04B 53/20** (2013.01 - EP US)

Citation (search report)
• [Y] WO 0116462 A1 20010308 - GRACO MINNESOTA INC [US], et al
• [Y] EP 0315564 A1 19890510 - STANADYNE INC [US]
• See references of WO 02098535A1

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
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