



COMBO - FIK041301

Return and Suction

In Tank Filter



The today's Mobile Equipment Industry is demanding more and more compact components and systems. Therefore Donaldson developed a new brother for the family of the In Tank Filters: The Combo Return and Suction In Tank Filter.

The design – which became feasible thanks to the use of highly engineered plastic parts – is very compact and unique with regard to the valves arrangement and the specific element interface. It has additional installation benefits as the outlet and inlet are on the same axis. Patents were applied and granted.

Application:

The Combo Filter is typically used on Mobile Equipment operated by Hybrid Hydraulic Systems like Hydrostatic Transmissions (with close circuit) and Service Systems.

Function:

One outlet provides filtered oil to the Return Line which goes back to the reservoir. The other outlet (in the casted body) provides clean, pressurized oil for several uses.

Features:

- Improved pump feeding hydraulic transmission during cold starts.
- Compact and modular design, with embodied valves, possibility to fit low cost indicators, serviceable filler cap with clean service
- No loose parts
- Simple interface with the tank: one unique installation hole.
- Low pressure drop and high capacity

Benefits:

- Easy to service housing for clean oil service
- Typical reliability of Donaldson In Tank Filters
- Wide range of filtration efficiency

Important:

The aspiration port always gets clean oil. When the element becomes clogged, oil that reaches the aspiration port is gradually reduced, so the use of an electrical clogging indicator (ref. P164745) is recommended. Return flow must always be higher than suction flow.

