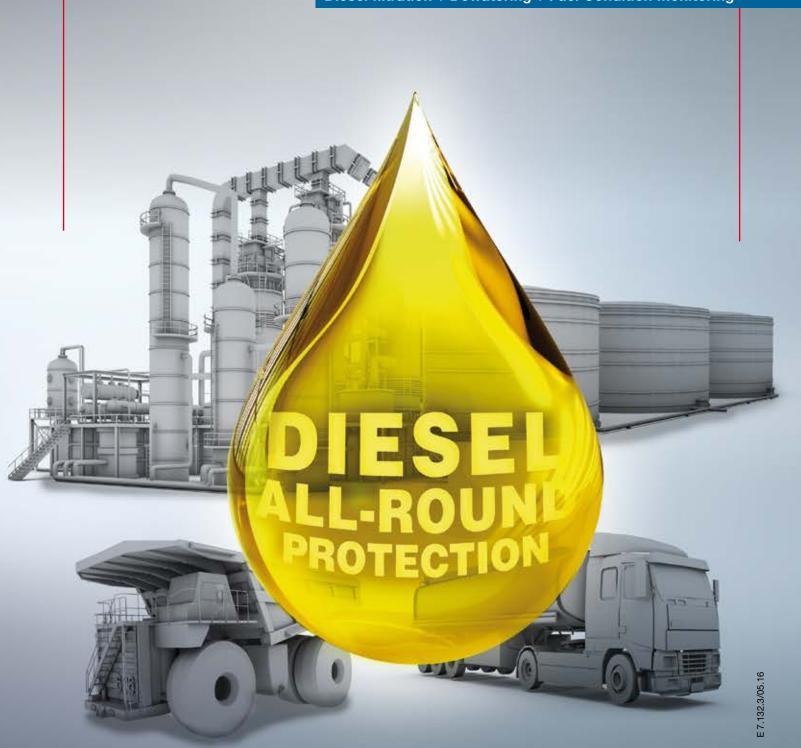
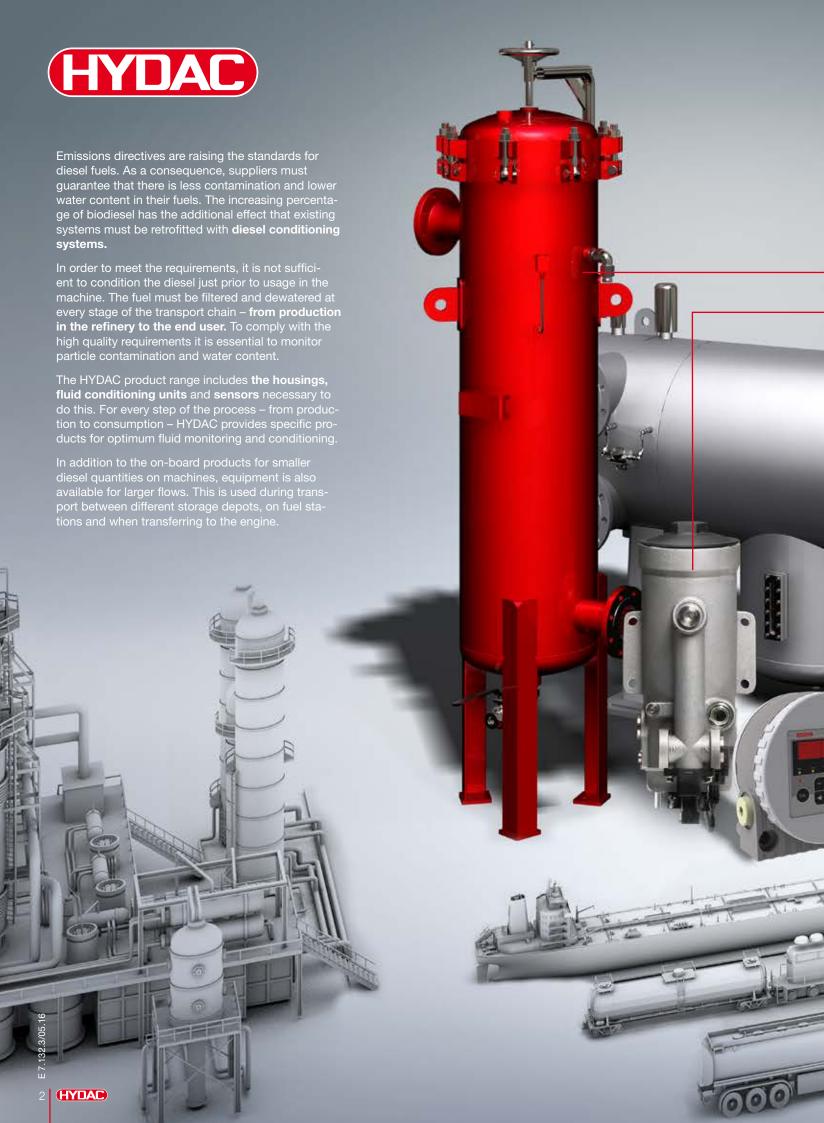


### HYDAC INTERNATIONAL

**All-Round Protection** From the Refinery to the Engine: **HYDAC DieselProtection** 

Diesel filtration + Dewatering + Fuel Condition Monitoring





For you, filtration, dewatering and fuel condition monitoring means: Protection from breakdowns, stoppages and expensive service interventions. Everywhere. FROM ONE SUPPLIER.



## The HYDAC concept for optimum fluid cleaning:





### Filtration for particle separation

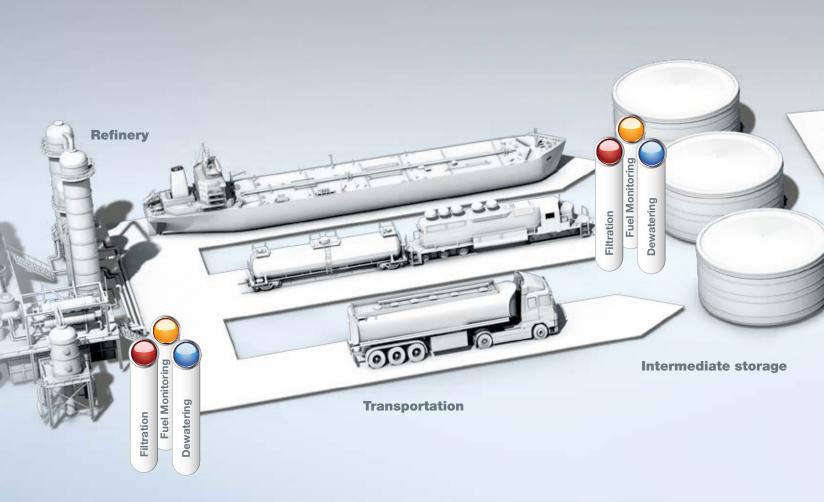
The function of the **LowViscosity Housing Filter LVH-F** is to separate particle contamination from diesel. Its design makes it ideally suited to removing large quantities of contamination reliably in a single pass, thereby guaranteeing the required cleanliness. If in addition to filtration, dewatering of the diesel is also required, the filters can be installed as a pre-filter stage and combined with the **LowViscosity Housing Coalescer LVH-C** dewatering unit.

### **Dewatering by coalescence**

Diesel is dewatered in the **LowViscosity Housing Coalescer LVH-C.** The elements used here are not consumable items as is usually the case in filter elements which absorb free water. During coalescence, smaller water droplets combine into larger ones and fall to the bottom of the coalescer housing. Any ultra fine water droplets remaining in the diesel are removed from the diesel flow in a secondary filtration stage using separation elements and also settle in the housing. The separated water collects in the base of the housing and can be discharged by opening a valve.



## HYDAC ALL-ROUND PROTECTION for Diesel: from manufacture to consumption







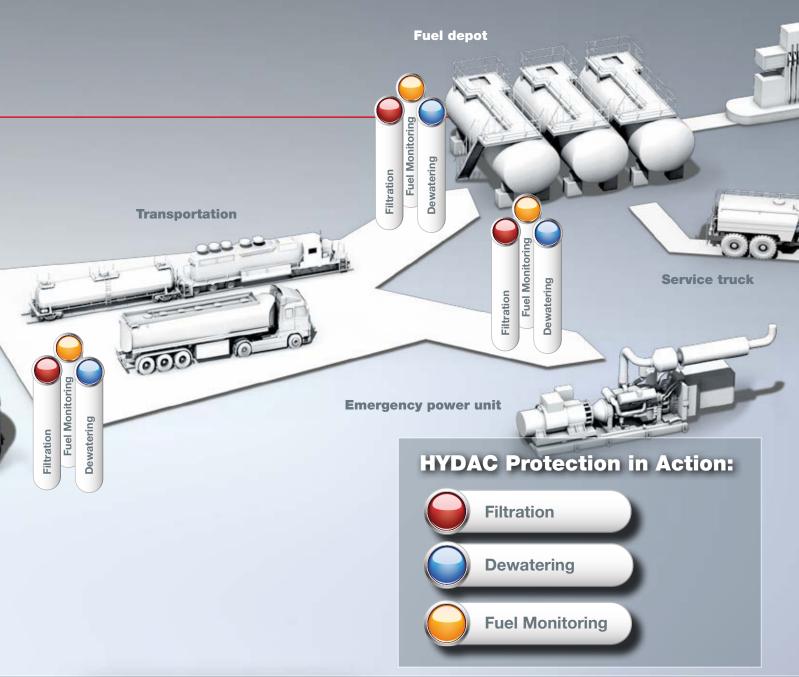


The **Optimicron Diesel filter elements** specially developed for the filtration of diesel are characterised by a very high contamination retention capacity and simultaneously low pressure drop. This results in a long service life for the elements.

The use of state-of-the-art materials guarantees excellent separation rates even in a single pass and this continues over the entire lifetime of the filter element.

The **Optimicron Diesel elements** for two-stage dewatering use materials specifically designed for coalescing and for separating water from diesel. They enable secure and efficient dewatering even when the water content of the diesel is low.







In order to guarantee trouble-free operation of commercial vehicles exposed to the harshest operating conditions all over the world, and in order to protect both the engine and the whole drive train from damage, optimum conditioning of the diesel fuel is particularly important. HYDAC offers a comprehensive range of products for mobile diesel filtration which protects the vehicle manufacturer and operator from breakdowns, stoppages and expensive service interventions.

### **HYDAC** diesel pre-filtration

**HYDAC Diesel PreCare** is a cup filter system for diesel pre-filtration available in two versions:

- Manual water drain (BestCost Design)
  The conventional, operator-dependent solution.
- Fully automatic discharge (plug & play) (High Tech Design) The innovative solution for fully automatic dewatering, independent of the operator, even when operated on the suction side.

Outstanding performance data achieved by **2-stage water removal** and superb filtration characteristics through the use of synthetic media – these are the special features of these filters. Both systems are designed for use as pre-filters on the suction side and as such protect all the pumps and components in the fuel system from water and contamination.

### **HYDAC** diesel filtration in the main flow

Efficient fuel filtration should achieve a cleanliness class of 12/9/6, even when subjected to engine vibration and load cycle changes. Machine users and OEMs also demand application-specific elements with the highest possible contamination retention capacity coupled with compact dimensions, compatibility of the elements with biofuels and environmentally friendly disposal. **HYDAC Diesel MainCare** is a cup filter system which ensures efficient and reliable filtration of diesel fuel in the main flow.

In conjunction with our customers, we develop main filter modules whose technical data meets the customer's requirements and specifications.





















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- HYDAC Headquarters
- HYDAC Companies
- HYDAC Distributors and Sales Partners

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