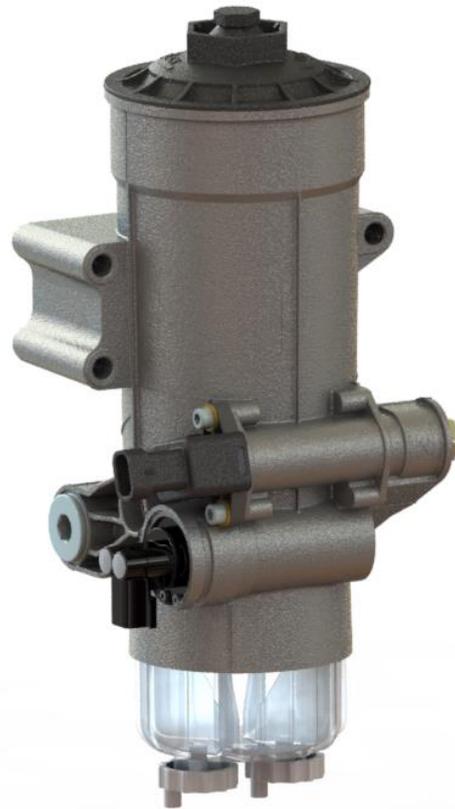


HYDAC Diesel PreCare (HDP) 600 BC with integrated, electrical Pump



Description

Modern Diesel pre-filtration systems, like the **Diesel PreCare**, see to it that OEMs and operators of vehicles are protected from operation malfunctions, failures as well as expensive service operations. Best performance data through a 2-stage water separation as well as excellent filtration behavior through the use of synthetic media characterize this product.

Next to water and solid contamination, another unwanted interference factor in the system is air. If the pumps suck air, the Diesel engines do not start properly. To avoid this, hand priming pumps are installed for manual system venting.

Opposed to common solutions, where the hand priming pump is located in the suction line and cause significant differential pressure, HYDAC comes out with a more elegant solution and integrates an electrical pump into the filter. It can be used

- for venting of the pipework,
- as booster to improve the starting behaviour of the machine
- or as permanent fuel supplier to support the low pressure pump of the engine

as well as for offline filtration with sanitizing effect in the filter during machine downtime.

Product Advantages

- **Venting the fuel system**, by means of an electrical pump in the bypass and therefore without pressure drop and additional fittings
- **Booster function** to improve the starting behavior of the engine (particularly during cold start, critical Δp , different installation level of engine and tank); integrated pressure control valve to protect low pressure pump (0.5 - 4 bar)
- **Supporting the low pressure pump of the machine** (electrical pump as permanent fuel supplier)
- **Self-protection of filter against microbial infestation**, thanks to the innovative Biomicon® filter medium against Diesel pest (as option); interesting for seasonal machines
- **High service life through brushless pump**
- **Space-saving, integrated and cost-effective system**, no additional fittings required
- **Flexible connection options**
- **No time consuming manual pumping**

Venting	Particulate Filtration and Water Separation
✓	✓
Booster or Permanent Supplier	Self-protecting filter element against microbial infestation (as option)
✓	✓