

Data Sheet Oil Filter Unit NP1

Oil filter unit for off-line filtration
suited for OEM applications

NP1 is applied as pressure feed off-line filter for filtration of particles and separation of free, emulsified and bonded water.

Particle filtration is performed with the GreenOil range of filter inserts. Typical cleanliness levels is obtained down to ISO4406 class 12/10/7 or NAS class 4. The oil quality is then suited for very sensitive hydraulic systems and for applications in high pressure systems.

The oil is constantly protected against water by the integrated water separator system. The separator is free of maintenance and removes free, emulsified and bound water. In systems exposed to normal water contamination as with condensed water the filtered water content is typically maintained below 40 ppm or 0,004 %.

The filter unit may be applied for industrial or mobile installations and is delivered in 24 V or 230 V versions. A power consumption of 60 W is not affecting either system or economy.

Oil to the filter must be pressure limited to maximum 4 Bar. In OEM applications this can normally easy be prepared. As an alternative to the NP1 the NP3 model includes all necessary regulations and accepts pressures between 10-350 BAR.

The filter outlet must have free return to tank or sump. This means, that the filter unit must be placed above the highest level in tank or sump.

Technical data	
Oil pressure In	4 BAR
Flow	Nominal 30-50 litre/hour
Oil pressure Out	Oil must return by gravity to tank
Viscosity range	20-350 cSt. Dependent on filter inserts applied
Electrical connection	Versions in 24V and 230V. The unit may be connected to either AC or DC
Power Consumption	60W
Connection	Inlet 3/8" RG, Outlet 3/4" RG (BSP)
Dimensions	H * B * D: 298 * 217 * 205
Weight	4 kg
Materials	Filter canister and chassis: AISI 304 Stainless.



STANDARD® KEY FEATURES

- The system filters particles and separates free and dissolved water .
- Hydraulic filter inserts cleans to ISO 12/10/7 or NAS 4.
- Water separation down to 40 ppm without maintenance.
- Cleanliness levels and water content suited for high pressure hydraulic systems.
- Suitable for mobile systems.
- Easy and quick filter change without oil spillage.
- Stainless filter canister and chassis.
- Filter unit must be installed above tank level.
- Oil feed must be flow or pressure regulated.