

STAUFF MINI WATER VAC SMWV

The **STAUFF Mini Water Vac SMWV** is a designated oil purification unit which can be applied directly to various types of machine reservoirs. It dehydrates and cleans most types of oils and lubricants.

The **SMWV** is a self-regulating processing unit which removes particles, gas, and water. The purified oil satisfies the most stringent quality requirements according to ISO 4406.

The **SMWV** neither removes or alters oil additives. The water removal process is based on pure vacuum evaporation inside a vacuum chamber at a maximum temperature of 65 °C. Solid particle removal is achieved through a well proven STAUFF micro filter.



Simple Operation

The **SMWV** does not require continuous supervision while operating, as a float switch monitors the water level. The desired oil temperature can be selected via the integrated heater thermostat. The dehydration and filtering process is fully automatic and is controlled via the PLC. As soon as the maximum level is reached, the dehydration is shut down automatically. The dehydration starts to work again after the waste water container was emptied (manually).

The **SMWV** guarantees a very high level of oil cleanliness. The dehydration of the oils and lubricants and the efficient removal of dirt particles leads to an extended service lifetime of your hydraulic applications.

Water, Gas and Particle Removal

The **SMWV** removes liquid, gas and solid particle contamination, which are corrosive and contribute to the reduction of machine life. Contamination greatly increases maintenance costs and contribute to breakdowns and total machine failures.

The **SMWV** offers protection against malfunctions, breakdowns or total failures. The **SMWV** also protects the environment by reducing oil consumption and oil disposal along with its inherent costs and problems.

Features and Benefits

The **SMWV** has been designed to dehydrate most types of oils and lubricants and removes dirt particles.

- Extended service lifetime of the entire hydraulic system
- Efficient water, gas and particle removal
- Extension of fluid life
- Reduced fluid disposal
- Minimized corrosion
- Reduced failures and downtimes
- Reduce operating costs

Technical Data STAUFF Mini Water Vac SMWV	
Voltage (standard)	230/400 VAC 50 Hz
Heater section	2 KW
Vacuum section	0,037 KW vacuum pump
Process control	PLC unit
Filtration section	1 µm (β ₁ >200)
Dimension inlet	1" BSP female
Dimension outlet	1/2" BSP female
Maximum back pressure	1 bar
Water removal capacity	100 % of free water >80 % of dissolved water
Recirculating flow rate	90 l/h
Max. viscosity	500 Cst
Min. viscosity	20 Cst
Attainable water content	below 100 ppm
Maximum temperature heater	65 °C
Dimensions H x B x T (mm)	1.200 x 740 x 450 mm
Weight	130 kg