



Perfected, not just optimized.

Our water pumps now with new mechanical seals and a new design.

More garage knowledge:

www.rexpert.de

Service Center: 00800 1753-3333*

*Toll-free number, Mon. to Fri. from 8 a.m. to 5 p.m.

www.schaeffler-aftermarket.com

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Benchmark quality: the water pumps from Ruville.

Residue in the cooling circuit, abrasive particles, wear – water pumps are subjected to numerous load conditions on a daily basis. Only **components tuned to work perfectly together** can guarantee high reliability here. To meet these challenges and the requirements of our garage and distributor partners, we leave nothing to chance when it comes to **designing, choosing the materials**, and in the **manufacturing precision** of our water pumps.

Our mechanical seals – as hard as possible, as soft as necessary.

More than 75 % of all water-pump damage can be traced back to **mechanical seal** leakage. To prevent this, nearly all of our **face seals** are made of **silicon carbide**, an extremely hard and wear-resistant material that is especially resistant to thermal shock. For the **counter ring** a softer material, **carbon graphite**, is used. This ensures that the counter ring always **fits the face ring**, for optimal sealing properties.

The mechanical seal

A combination as hard as possible and as soft as necessary – with a face ring of silicon carbide and a counter ring of carbon graphite.



The design – functionality in perfect form.

When we talk of design, we don't mean what our water pumps look like on the outside, but about the entire component design that delivers **pumping capacity precisely tuned to whatever engine it's used in**. This includes a pump vane design which ensures optimal flow dynamics, as well as the flow-optimized form of the housing. This **well-conceived design** is perfected by a **drainage** system that is very effective at allowing coolant to dissipate if necessary.

Benefits at a glance:

- High wear resistance
- Resistant to thermal shock
- Low-friction operation
- Delivers optimal pump capacity
- High fit accuracy
- Ideal drainage system