



# PRODUCT NEWS

**MANN  
FILTER**

## MANN-FILTER Centrifuge Rotors - Put Contaminant in a Spin! ZR 905 z - the easy to replace rotor

Introducing the FM050P-LCB centrifuge: the compact, highly efficient unit with a maintenance-free, replaceable rotor, **MANN-FILTER ZR 905 z**.

### What is a centrifuge?

A MANN+HUMMEL centrifuge is self-powered, using engine oil pressure to spin the rotor up to 10,000 RPM depending on oil temperature and viscosity. As a result, the impurities in the oil are pressed against the outer wall of the centrifuge, compressed and adsorbed. In this way, centrifuge rotors reliably free oils of even the smallest solid particles, such as dust, abraded metal and soot particles.

### How do they work?

1. Oil enters the rotor under engine pressure
2. Centrifugal force 2,000 times greater than gravity separates contaminants from the oil
3. Contaminants accumulate on the inside of the disposable rotor surface
4. Clean oil exits from opposing, twin nozzles, powering the centrifuge
5. Oil returns to the crankcase from the Level Control Base, which maintains proper oil flow for speed and efficiency

### What are the benefits?

- Efficient removal of soot and fine particulate
- Reduces long-term engine wear
- Disposable rotor eliminates cleaning
- Reduced maintenance time
- No special requirements for rotor disposal
- Increases safe oil drain interval
- Incorporated easy installation bracket (LCB)



**ZR 905 z**



**OE**

