



# Compressed Air Systems

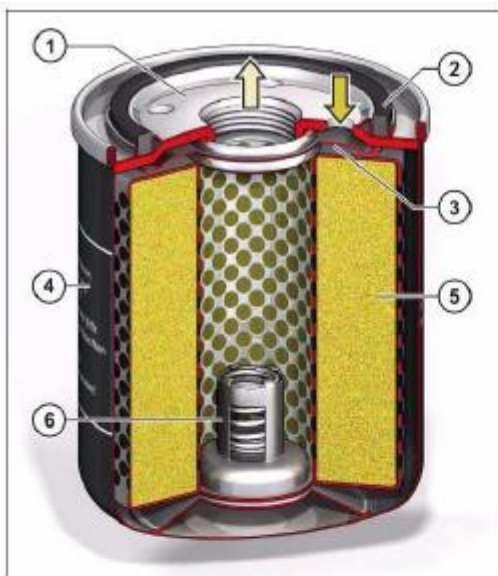


## CAS Rotary Screw Oil Filter Operation

972-352-6304/800-531-9656



### Oil filter

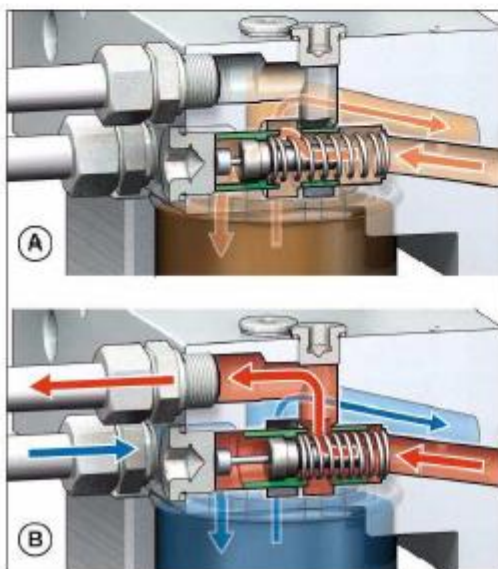


1. Lid
2. Seal
3. Return flow check valve
4. Housing
5. Bypass valve
6. Filter element

The bypass valve opens at 2,5 bar/ 36 psi to prevent an insufficient oil supply in case of cold highly viscous oil or soiled oil filter.



### Oil thermostate



The oil thermostate controls the compressor temperature by guiding the oil either to the cooler circuit or to a short circuit.

At start-up the oil is guided in the short circuit to reach the working temperature fast and to avoid condensate formation. When the working temperature is reached, the thermostate opens the way to the cooler and holds the temperature. The thermostate element is available for different working temperatures from 80°C to 105°C depending on the environment conditions and the resulting pressure dew point.