

Oilfree Auxiliary Compressors for Chinese Locomotives

DÜRR TECHNIK got the order to supply auxiliary compressor units for 180 locomotives. They have to raise the pantograph to make contact with the overhead power line. The compressor is driven with a 110 V DC motor. The power supply is made from a battery.

To protect the compressor from coal dust the machine is installed in a powder-coated metal housing. Beside the standard filter a further micro filter is installed to achieve the required quality of air.

Condensed water is taken out of the system with a dryer, cooler and receiver that ensures trouble free function of the system. The requirements were very hard: The equipment must be suitable from -40°C up to 70°C at a relative humidity up to 90 % at a 100 % reliable operation.

The oilfree compressors are absolutely maintenance-free. The compact design enable us to built the unit in the specified position. In order to maintain safety standards only self-extinguishing and halogen-free materials are used.

