



Oil-free main air compressors  
for rail traffic





## Oil-free main air compressors for rail traffic

### Where endurance matters, we excel

High performance meets utmost reliability – rail traffic really puts technology to the test. Dürr Technik delivers high-quality solutions that live up to the most extreme demands.

As a specialist in oil-free piston compressors, we combine experience with an innovative spirit. Manufacturers, operators, and system suppliers rely on our compact and robust product range with low life-cycle costs. From auxiliary air to main air, we customize solutions to the train's individual characteristics, working in close co-operation with our customers.

#### The best of both worlds

Fifteen years ago, ATS Environnement developed the first oil-free main air compressors for high-speed trains. Today, with the acquisition of the assets of ATS by Dürr Technik, we combine this experience with our own expertise gained during 25 years in the field of auxiliary air in order to provide our customers with a broad range of optimal solutions for brake air, spring systems, and auxiliary air applications.

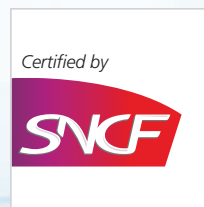
All our products are optimized for maximum performance under tough conditions, saving time, effort and cost for maintenance with their robust, innovative technology.

#### Oil-free

Thanks to our oil-free technology, intensive revision levels, periodic oil changes, and air-oil separation filters are all no longer needed. Another added benefit, oil deposits due to the discharge of condensate are no longer a problem.

#### Certifications

Quality and reliability from Dürr Technik



#### Model Ranges

The RC range includes the first oil-free main air compressor in rail traffic worldwide. Certified by the SNCF in 2006, these models are adjustable to all conventional motors due to their modular concept and therefore ideally suited for retrofit.

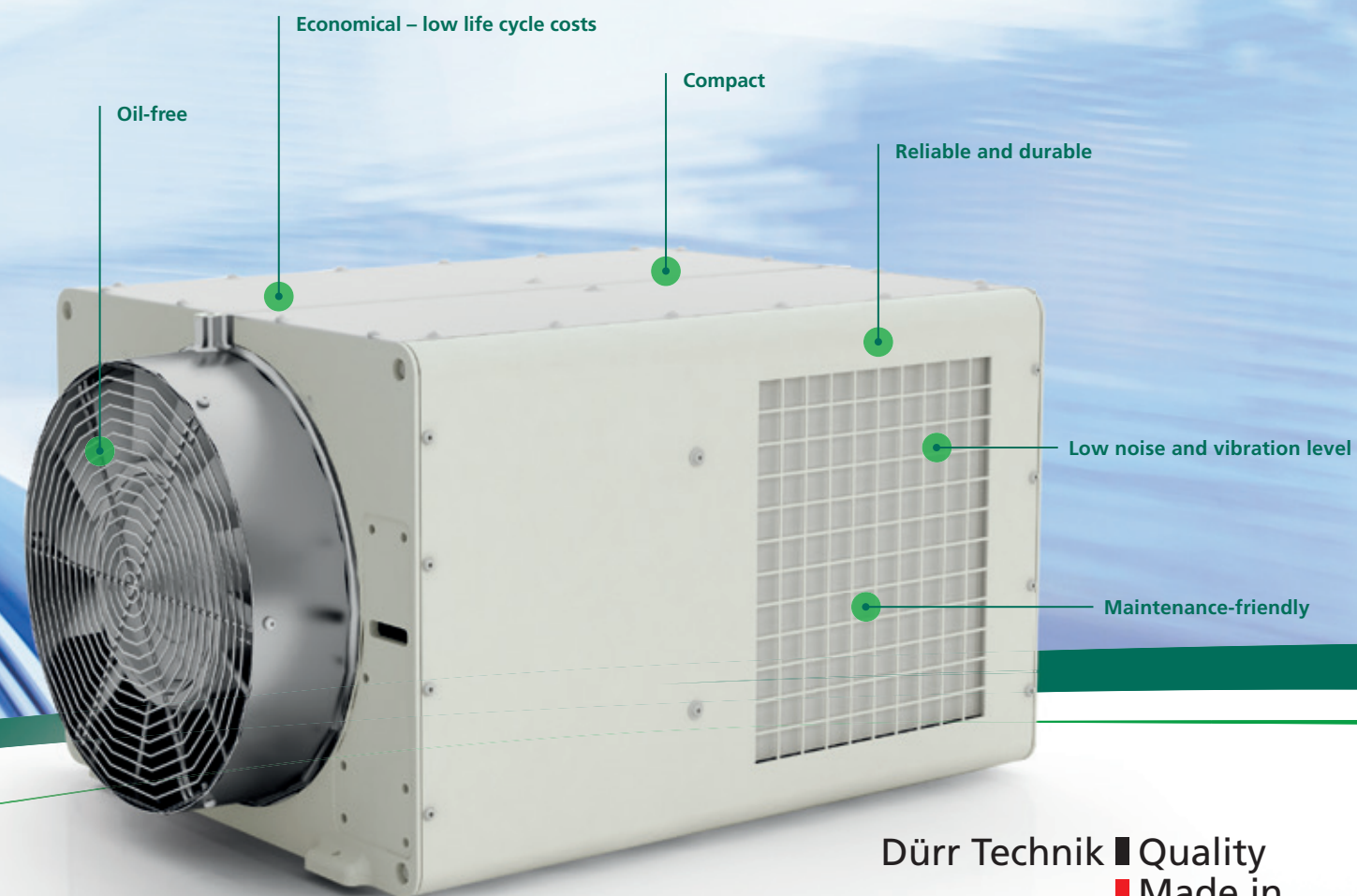
#### Specific advantages of the RC range

- Modular
- Endurance-tested
- Ideally suited for retrofit (direct drive and belt drive)

The newly developed MC product range is characterized by its compactness, making it an ideal solution for new projects.

#### Specific advantages of the MC range

- Protected against dust and stone-chipping
- Compact, soundproof housing saves space, as well as reducing noise levels
- Able to start at low temperatures
- Long life cycles



Dürr Technik ■ Quality  
■ Made in  
■ Germany



## Technical data

Type	Delivery rate at 9 bar (l/min)	Nominal pressure PN (bar)	Sound Pressure Level at PN (@ 4,6 m) dB (A)	Mechanical Power (kW)	Weight (kg)	Dimensions LxWxH (mm)
Main air						
MC-700	720	10	60	7,5	220,0	940x650x510
MC-1000	1020	10	65	7,5	230,0	940x650x510
MC-1200	1220	10	69	11,0	320,0	1089x642x495
RC-800*	835	9	–	–	117,0	500x713x680
RC-1000*	1000	9	–	–	105,0	520x740x630

Data at 50 Hz, further voltages and frequencies available on request

\* without motor, with direct coupling, available also with belt drive and with motor

## Characteristics

### MC:

- Operational from -50°C to +60°C (depending on type)
- Possible installation on the roof, under the body or on side panels
- System solutions with housing
- Soundproofing
- FU-enabled motors / IE3 motors

### RC:

- Operational from -40°C to +50°C
- Direct and belt drive are both possible
- Modular
- Subjected to long-term tests
- homologated by SNCF



MC-700



RC-1000

## References

- TGV (Alstom)
- KTX (Hyundai Rotem)
- Z150 / Z850 (Stadler)
- Val 206 (Siemens)



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