Reliability

is our strength

Oil-free compressor solutions for the railway traffic

DÜRR TECHNIK

Long lifespan plus certified quality

characterise our products

Dürr Technik is the expert for oil-free and maintenance-free piston compressors

Our products fulfil the highest standard for reliability, precision and a long lifespan. For many years this has been the reason why railway system suppliers trust our much acclaimed quality, and compact product solutions.

Applications for use of oil-free auxiliary air compressors in the railway industry

- Pantograph
- Railroad sanding
- Wheel flange lubrication
- Toilet evacuation systems and toilet door control
- Signal horn activation
- Spring-operated brakes
- Support of the compensating air for service vehicles
- Receiver systems for sand filling

Engineering

Supplying individual system solutions

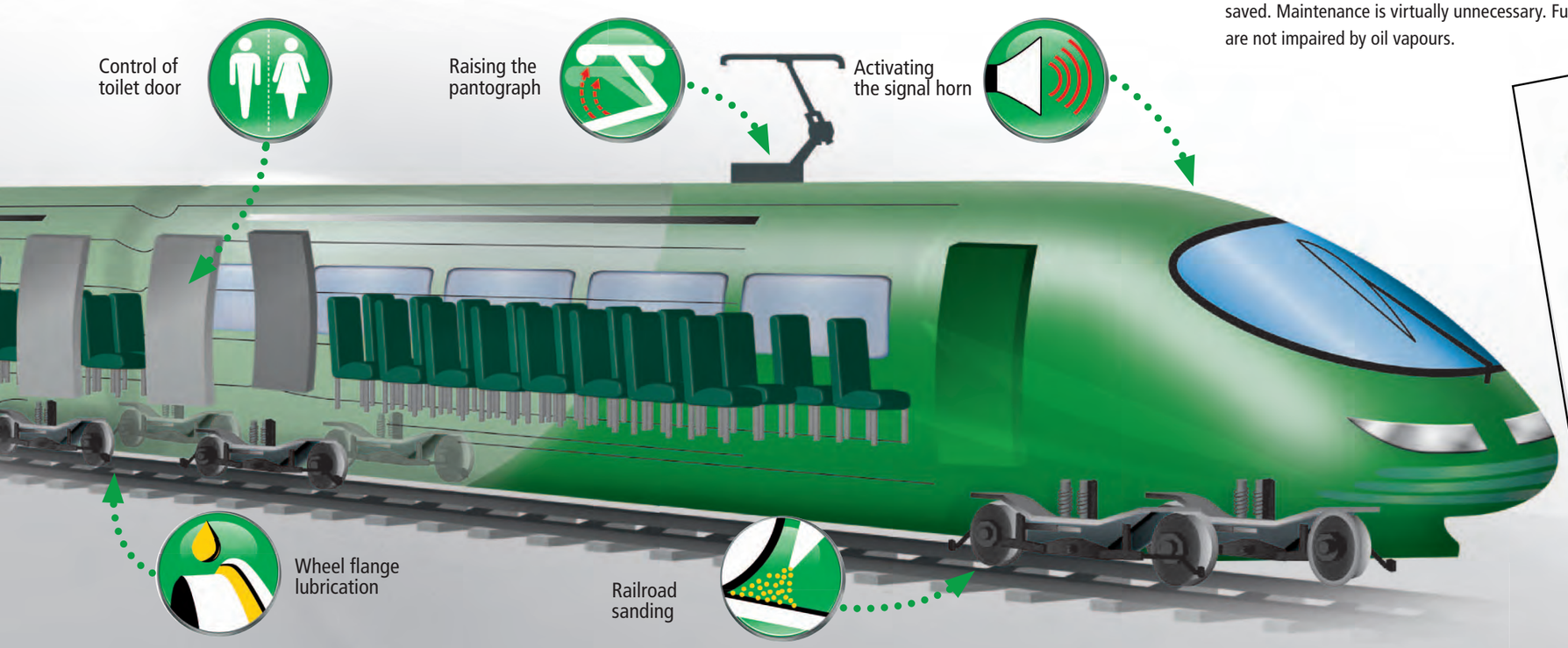
Multi-functional auxiliary air compressor systems
These systems are designed for a wide range of applications, which demand premium quality compressed air for operating any or all the sanding, lubrication, air horn and toilet equipment and their accessories. We can comply and conform with the customer's test specifications, including EMC (EN50121-3-2), vibration and shock according to EN61373, environmental and even special testing, to replicate real life conditions.

Pantograph stations
For raising the pantograph, we manufacture complete auxiliary air compressor systems as one package, customized to meet the individual customer requirements.

Key advantages of our oil-free compressor technology

Apart from our high standard of quality, our products convince by their economic efficiency – and at the same time help to protect the environment because of their oil-free operation.

- **Oil-free means trouble-free**
  There is no need for checking the oil level and changing oil. The costs for filter and disposal of waste oil can be saved. Maintenance is virtually unnecessary. Functions are not impaired by oil vapours.
- **Low LCC**
  The high quality materials used, ensure minimum amount of wear and therefore is a guarantee for an extremely long lifespan of the components and a very little demand for spare parts.
- **Innovative motor concepts**
  Customized especially for railway application
- **XT-Models**
  Available with up to 20.000 operating hours lifetime
- **Low noise level and noise transmission**
- **Extremely reliable**
  Oversized components and keeping the tightest tolerances are major aspects of our design.
  These are tested and verified under the harshest conditions.
- **Since 2009 Dürr Technik has been certified according to IRIS**



Oil-free auxiliary-air compressors

D-030 / D-040

D-061

D-070

D-100

DG-160

B-065

B-160

B-304

TECHNICAL DATA

Typ	Free air flow at 0 bar (l/min)	Nominal pressure PN (bar)	Noise level at PN dB (A)	Protection class IP	Performance data of motor: Motor input P1 (W)	Current consumption (A)	Voltage* (V)	RPM	Weight (kg)	Dimensions L x W x H (mm)
with DC Motor										
D-030	30	7	61	00	122	6.4	24DC	1570	4.4	209 x 108 x 156
D-040	40	7	61	00	192	9	24DC	1800	6	242 x 121 x 175
D-061	61	7	69	54	500	21	24DC	2900	6.9	245 x 133 x 190
D-061	61	7	69	54	400	3.7	110DC	2610	6.9	245 x 133 x 190
D-070	70	7	71	54	370	5.3	72DC	1570	14	311 x 154 x 218
D-100	100	8	68	54	630	26	24DC	1320	20.5	368 x 176 x 292
D-100	100	8	68	54	620	9.6	72DC	1300	20.5	368 x 176 x 292
D-100	100	8	68	54	715	6.5	110DC	1320	20.5	368 x 176 x 292
DG-160	160	7	72	56	910	38	24DC	1850	17	366 x 276 x 190
with 3~ Motor										
B-061	61	7	66	54	500	0.9	400	2740	7	230 x 175 x 180
B-065	65	7	68	54	560	1.1	400	1440	14.4	305 x 188 x 218
B-160	160	7	72	54	1400	3.1	400	1410	26	423 x 350 x 300
B-304	295	7	77	54	2200	4.4	400	1440	47	620 x 350 x 315

* Measured at 50 Hz, further voltages available on request.

Basic features

- Ambient temperature range from -50 °C to +70 °C (application specific solutions available on request)
- Customized solutions provided for mounting the compressor where space is specified or available, for added flexibility
- Compressor systems can be fitted with adsorption or membrane dryers
- Systems designed with and without enclosure

Dürr Technik – your innovative partner

Our products are under continuous quality improvement. We start with quality materials as the basic building blocks of our parts and components. They are tested and optimized in our laboratories, ensuring that every product we make will be durable and reliable. We design and test for the highest tolerances and standards, therefore we know that our equipment will withstand the harshest operational conditions. We are always looking forward to saving the resources of our world, by using less electricity. Therefore we custom design the most energy-efficient motors, without sacrificing the product's performance. Our factories also use energy efficient equipment, with the aim to reduce our carbon footprint.

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