EXHAUST GAS PURIFICATION FOR RAIL APPLICATIONS

ADVANCED ENVIRONMENTAL TECHNOLOGY FOR MOBILE DIESEL ENGINES

The mobileclean exhaust gas purification systems are especially designed for all kinds of rail vehicles with a performance of 150-3000 kW, such as mainline and shunting locomotives, construction shunters or track construction machines.

Despite limited space and extreme influences from mobile use, mobileclean makes it possible to achieve and to surpass the required emission standards.

Hug Engineering AG develops systems, which – depending on the customer's requirements – reduce the relevant harmful substances in the exhaust gas (soot particles, NOx, HC and CO) to a minimum. The DeNOx- and Oxidation system is designed to comply with the demanding future emission standards (e.g. Euro Stage V, US EPA Tier 4 final).

Standard urea solutions (e.g. AdBlue®) are used as reactants.

The control system adjusts the necessary urea injection automatically.

USE IN THE RAILWAY INDUSTRY

The mobileclean soot particulate filters perform reliably even under the most extreme conditions (such as shunting strokes, dust, vibrations and extreme temperatures). Mobileclean has a proven track record within the rail industry. By requiring very little maintenance operating cost are kept to a minimum.

The technology used by Hug Engineering AG corresponds to all current rules and standards in the railway industry (VERT, DIN EN 15085). Hug Engineering’s expertise ensures that not only customers individual requirements and standards are met, but also the requirements of multiple units serial production.

SWISS QUALITY

The first class mobileclean exhaust gas purification systems of Hug Engineering AG pass all common tests with flying colours and guarantee to the users the best possible technology for their diesel engines. The broad range of products comprises everything from control units to soot particulate filters and catalytic honeycombs. As one of the few manufacturers worldwide, Hug Engineering AG offers all these components out of one hand. Hug Engineering AG represents first class, reliable Swiss precision engineering.

The customer can therefore rest assured he is using bespoke, superbly engineered and finely tuned components with best Swiss quality.
**SYSTEM VARIATIONS**

mobiclean®
Filter and Regeneration System

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* Further variations such as oxidation system are available but not shown in the brochure

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mobiclean®
SCR-DPF System with Active Regeneration

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