

LEWA diaphragm pumps for wet oxidation of waste water



LEWA process diaphragm pump G3R

For years LEWA has supplied metering- and process diaphragm pumps for the wet oxidation of waste water, which are well proven due to the precisely reproducible metering accuracy, the wide adjusting range and the high product quality. They are used for the following processes:

- **Low pressure processes**
- **High pressure processes**
- **Catalytic processes**
- **Supercritical wet oxidation**

In these processes chemical waste waters, which include e.g. amines, dyes, cyanides, nitrobenzene, ammonia, halogens etc. are oxidised. Apart from this landfill leachates, waste water, which includes bacteria or biomass are treated in the same way as they would overstrain biological sewage treatment plants.

LEWA metering- and process diaphragm pumps for the wet oxidation

Due to the specific requirements diaphragm pumps are used for all these applications.

The outstanding advantages of the LEWA pumps are:

- Hermetical tightness
- Corrosion resistant materials
- Very high availability and reliability
- Pressures up to 1200 bar
- High-precision flows
- High positioning accuracy
- Reproducibility due to adjusting accuracy
- Comprehensive documentation for qualification and validation
- Worldwide, qualified after sales service

The excellent product properties, decades of experience and the extensive know-how of the technical global market leader make LEWA a reliable partner in the wet oxidation of waste waters.



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