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AOD 1 Decomposition system

The AOD 1 is used for oxidative decomposition of solid and liquid organic and partially unorganic samples under pressure in a closed system
The system consists of:

- AOD 1.1 Decomposition vessel, C 48 Oxygen station, AOD 1.2 External ignition unit, AOD 1.11 Control standard (50 ml)
- Quantitative decomposition of all halogens, sulfur, as well as volatile metals, e.g. As and Hg
- Absorption of the combustion products in an aqueous medium
- Catalytic support of the oxidation process with auto-regenerating catalytic insidewalls of the decomposition vessel
- Pressure vessel of high-grade stainless steel
- Decomposition temperature up to 1200 °C
- Max. operating pressure during decomposition 195 bar
- Decomposition time