

FERROLOX-XG

Carbon-based Metal-Organic Framework Media



PREMIUM QUALITY
MADE IN GERMANY

TECHNICAL DATA

High surface area due to MOF structure (~1800–2,000 m²/g)
Dual function: integrated adsorption & catalytic oxidation
Regenerability: no liquid waste

PERFORMANCE

Achieves residual H₂S concentration < 1 ppm
High adsorption capacity

APPLICATIONS

Natural gas treatment
Biogas and landfill gas purification
Industrial gas scrubbing
Odor control
Gas in fuel cells

OPERATING PARAMETERS

Minimum inlet H ₂ S	50–15,000 ppm
Suggested bed height	0.5–3 m
Relative gas moisture	Optimum 70–90%
Pressure	1–30 bar
Temperature	10–70°C

ADSORPTION CAPACITY

Process regeneration OXYDES XG (containing solid oxygen): minimal hazardous solid waste generated

Inlet H ₂ S (ppm)	Saturation Load
1,000	140 g/kg
3,000	130 g/kg
5,000	120 g/kg
10,000	80 g/kg

TECHNICAL DATA SHEET

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