

FERROLOX-XG

Carbon-based MOF Adsorber
for Removal of Toxic Gases

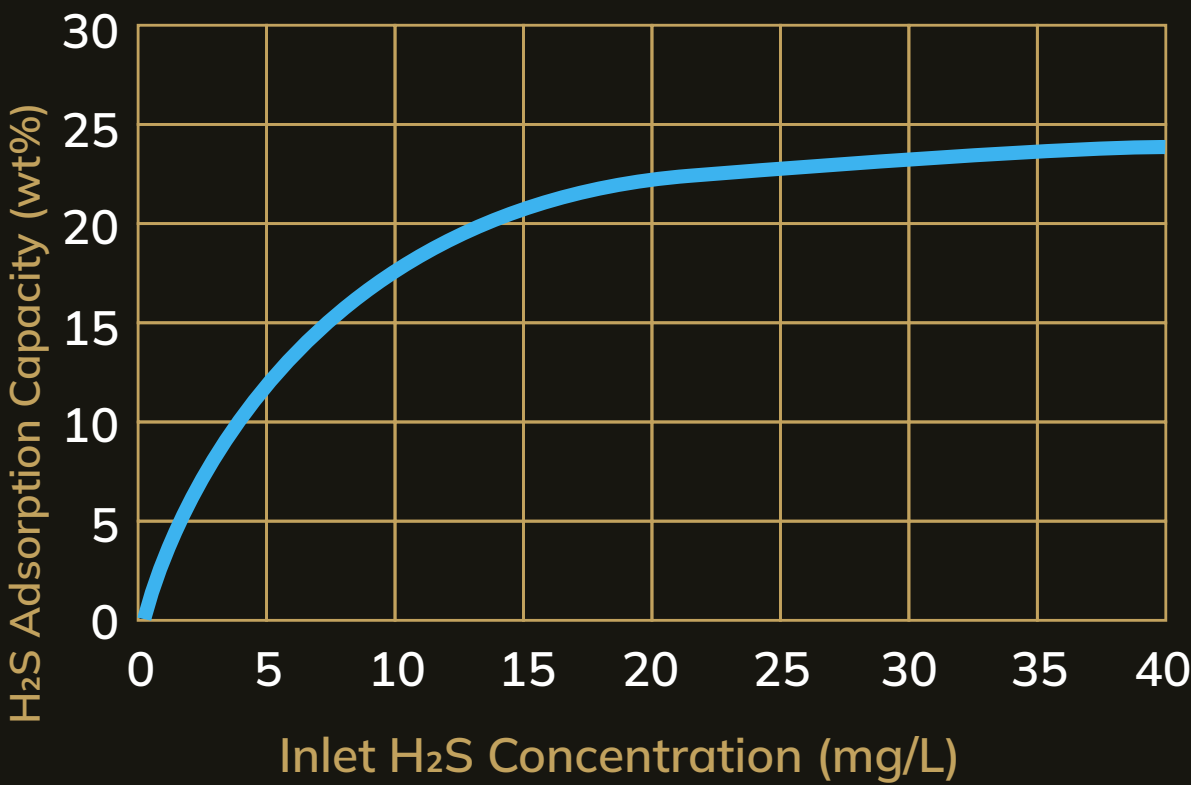


PREMIUM QUALITY
MADE IN GERMANY

OPERATING PARAMETERS

Specific Surface Area	1,900 – 2,000 m ² /g
BET Surface Area	(p/p ₀ = 0.05 – 0.30)
Crystalline Structure	MOF Type
Bulk Density (g/L)	640 ± 80
Adsorbent Form	Granules
Particle Size	2.5 – 4.5 mm
Filling Height	0.5 to 12 m
Max. Operating Pressure	≤ 23 bar
Relative Gas Moisture (2 bed)	Minimum – 40
Service Life	Several Years (60)

ADSORPTION CAPACITY



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Inlet Gas Temperature (°C)	10 to +50
Inlet H ₂ S Concentration	10 – 25,000 ppm
Linear Velocity (m/sec)	0.1 – 0.5
Bed Contact Time (sec)	0.3 – 2.0

PERFORMANCE

- Dual Function
- Adsorption & Catalytic Oxidation
- Regenerable (in situ using OXYDES-XG)
- No Liquid Effluent (Significantly Less Solid Hazardous Waste)

APPLICATIONS

Biogas Treatment
Natural Gas Conversion
Flue Gas Purification
Gas Odor Treatment
Landfill Gas
Oil and Gas Industry
Sewage Gas Purification
Waste Gas and Air Processing

REGENERATION

ADSORPTION

CATALYTIC
OXIDATION

IN SITU
REGENERATION

WATCH WATER® GmbH

Fahrlachstraße 14, 68165 Mannheim, Germany

Telephone : +49 621 879510

Email : info@watchwater.de

www.watchwater.de

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ER**
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a Water Company