



SulphaRed Compact

Compact H₂S-removal

SulphaRed Compact, is a complement to Centriair's ColdOx® Compact, for **efficient prefiltration of H₂S**. With its compact design, it is easy to place and the integrated support fan makes it easy to connect to an existing system.

The ColdOx® System treats odors through UV oxidation and activated carbon polishing. SulphaRed is placed before the ColdOx unit in applications with elevated sulphur levels. SulphaRed effectively removes sulphur compounds through adsorption, thereby extending the life of the carbon in the ColdOx® unit.

SulphaRed

SulphaRed is an inorganic regenerative media with unique properties that give it a superior ability to adsorb hydrogen sulphide, through chemical reaction.

The process is highly stable, with no risk of harmful heat generation or sulphuric acid precipitation. The removal efficiency is very high and the adsorption capacity per volume is superior to activated carbon, including impregnated and catalytic versions.

This leads to **unbeatable operating costs over time** and **minimal maintenance** compared to other media. SulphaRed is an industrial by-product, the climate impact is therefore pre-summable.

For every kilo of carbon that can be replaced with SulphaRed, the **carbon footprint is reduced** by 5-15 kilos of CO₂ equivalents. Larger SulphaRed units are available in the regular ColdOx® series.

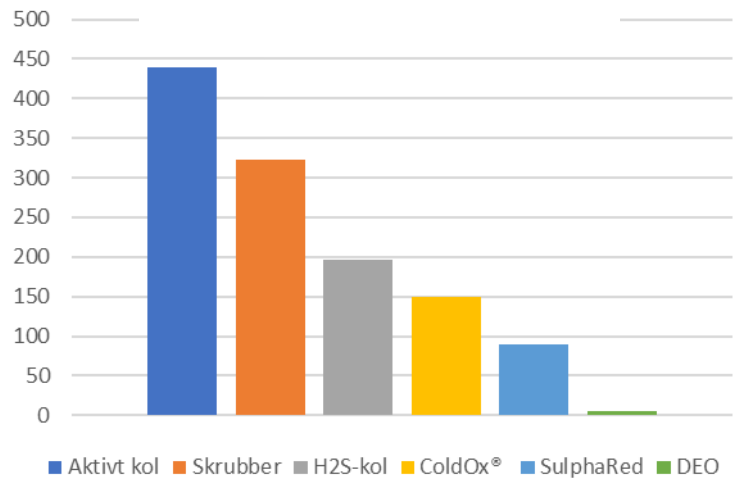
ColdOx process

ColdOx® Compact uses the same technology and methodology as our large ColdOx® systems. It guarantees a class-leading level of purification of odour emissions in the form of VOCs, H₂S, mercaptans, butyric acids, etc.

ColdOx® Compact is an integrated unit consisting of a ColdOx® UV reactor, low pressure drop carbon filter and an integrated fan. The UV reactor extends the life of the carbon 2-4 times, reducing operating costs and maintenance. The carbon acts as a catalyst and polishes the gas, to give a system efficiency of 98% purification. Odour elimination takes place at room temperature, with low energy

Cost of media:

SEK / kg H₂S (5ppm)



Benefits Sulphared



Model	Sulphared™ 350	Sulphared™ 500	Sulphared™ 1000	Sulphared™ 2000
Flow rate (m ³ /h)	350	500	1000	2000
Flow rate (l/h)	100	140	280	556