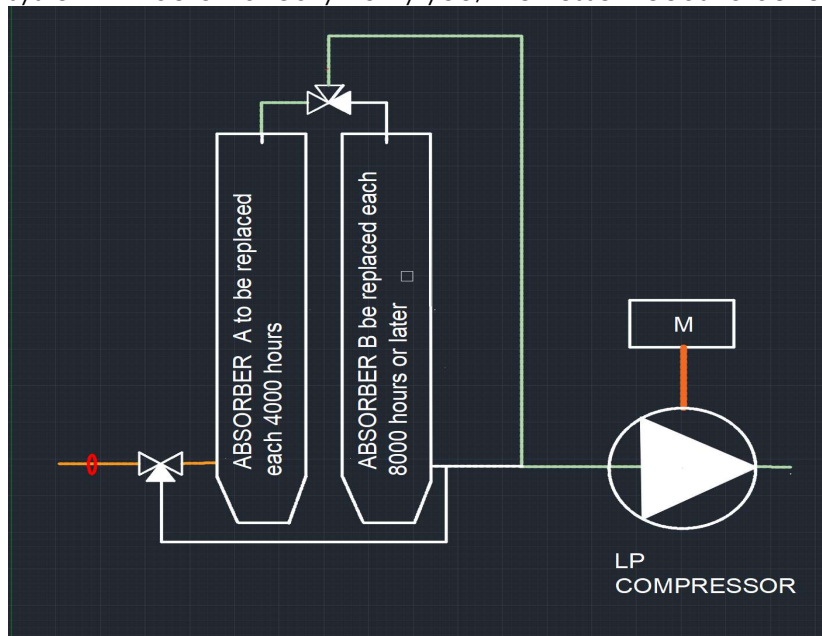


SULAFER®

SULAFER is an iron based saturating catalyst that absorbs the H₂S from the biogas. The absorbent transforms SO₂ and H₂S into elementary Iron and sulfur. Both elements are harmless and can easily be handled as regular waste.

The package consists of two vessels filled with SULAFER. Each vessel has enough absorption capacity to operate approx. 4000 hours, or almost half a year. The vessels switch over automatically, after a certain time or when the H₂S level increases, to the other vessel. That is when the regeneration begins. After the absorbent gets saturated, the system will automatically notify you, the vessel needs to be replaced with a new one.



SULAFER has the following advantages

1. SULAFER can absorb H₂S below 0,1 ppmV H₂S and doesn't smell after absorption; during absorption Iron and Sulphur decomposition is achieved.
2. The saturated SULAFER can be disposed as normal waste (lower waste and transportation cost).
3. The absorption capacity before regeneration is three times higher than activated carbon.
4. SULAFER can be regenerated twice, which means that the lifetime and absorption rate is three times higher than activated carbon.
5. Lower maintenance costs as the replacement time is lower.

Test results University of Eindhoven	
Test results	Absorption rate
Activated carbon	3%
Non regenerative catalyst	6%
SULAFER®	9%
Regenerative SULAFER ®	21%

SULAFER can be delivered in a system with two vessels whereby we can regenerate the SULAFER to achieve the tested seven times higher absorption rate. Or it can be supplied in one vessel whereby the SULAFER still has a three times better absorption rate than activated carbon. The SULAFER can also be placed in an existing activated carbon system with only minor adjustments.

Interested? Get in touch with our sales department at gazpack@gazpack.nl or +31 111 820 100 for more information, quotations, or samples of SULAFER. We can even provide you with a small barrel of SULAFER, so you can test it yourself.

Not sure yet? Contact us to talk about the possibility of a pilot plant, so SULAFER itself can convince you at your own site.

