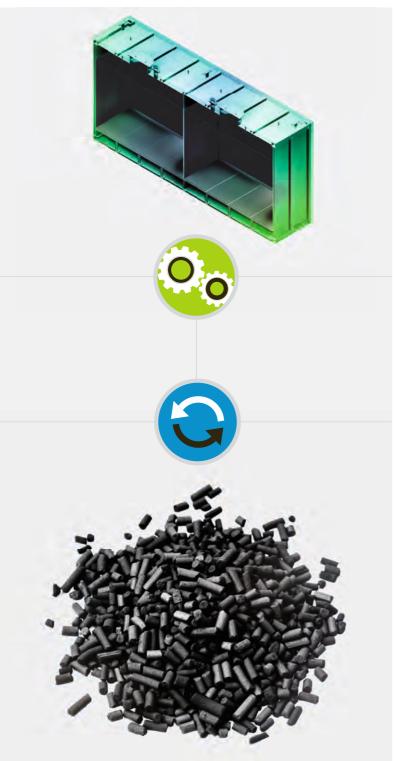
WesselEnvironmental Technologies



Member of **Deurotech**[®] Group

WE-SORB: Adsorption with Activated Carbon

Adsorption systems are suitable for a wide range of applications for the removal of pollutants, solvents and odours, and are capable of cleaning large flow volumes of exhaust air and fumes. Our simple and robust exhaust air cleaning technology WE-SORB has a compact modular container construction (10', 20', 40'). This allows our customers to efficiently place the containers and easily expand capacity. Adsorption is efficient and economical, while also being sustainable through the reactivation and reuse of activated carbon. Together with our cooperation partner CarboTech, we offer an all-inclusive package. Wessel's multi-chamber solution ensures the maximum saturation of the activated carbon with pollutants and odours without risking non-compliance with legal targets.



WesselEnvironmental Technologies

- » TURNKEY PLANT CONSTRUCTION:
 - ENGINEERING
 - MANUFACTURING & ASSEMBLY
 - COMMISSIONING
- » PROCEDURAL DEPENDABILITY TO ADHERE TO LEGAL TARGETS

Our principle: Everything from one source

wessel-umwelttechnik.de



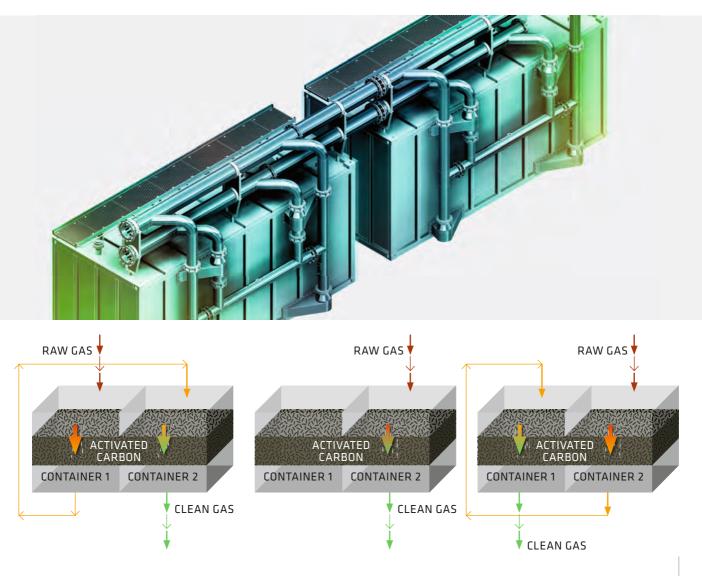
- » HIGH-QUALITY ACTIVATED CARBON THROUGH A UNIQUE FLUIDIZED BED PROCESS
- » COMPLETE SERVICE FOR THE EXCHANGE OF ACTIVATED CARBON:
 - ACTIVATION
 - IMPREGNATION
 - REACTVIATION
- » 360°-SERVICE PLUG & CLEAN

One container of reactivated activated carbon saves 93t $\rm CO_2$ compared to the same amount of fresh charcoal.

CarhoTech.de

WE-SORB TECHNOLOGY: Modular Construction

- » REMOVAL OF ORGANIC AND INORGANIC POLLUTANTS IN EXHAUST AIR THROUGH ADSORPTION
- » TWO UNITS (CHAMBERS, CONTAINERS) WITH ACTIVATED CARBON IN SERIES
- » DOWN-FLOW PRINCIPLE WITH MULTIWAY SWITCHING (REDUCED RISK OF BLOCKAGE)
- » MONITORING OF CONTAMINANT CONCENTRATIONS TO DETERMINE SATURATION (MINIMIZE OPERATIONAL EXPENSES THROUGH MAX. LIFETIME OF THE ACTIVATED CARBON)



Through-flow of the containers in order (1) - (2)

- » SATURATION IN CONTAINER (1)
- » DIVERSION OF THE GAS FLOW TO CONTAINER (2)
- » EXCHANGE OF ACTIVATED CARBON IN CONTAINER (1)
- » RE-CONNECTION OF CONTAINER (1)
- » THROUGH-FLOW OF THE CONTAINERS NOW IN THE ORDER (2) (1)





WesselEnvironmental Technologies

Your Experts in Exhaust Air Purification

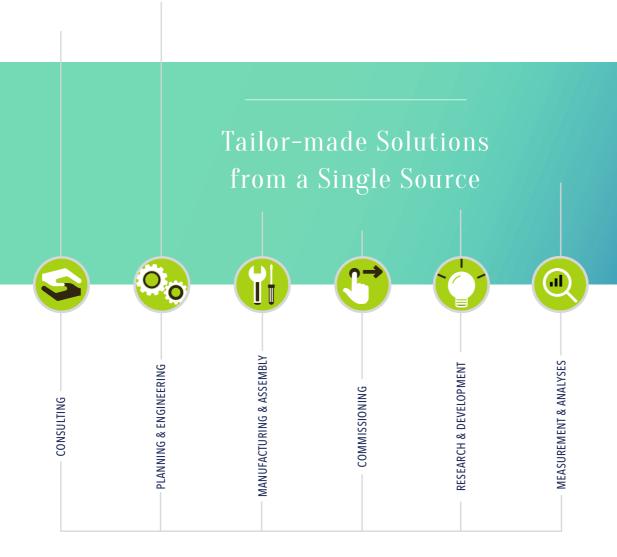
Wessel-Umwelttechnik GmbH

Kieler Str. 131, 22769 Hamburg, Germany

Tel.: +49 (0) 40 228 68 19 0 Fax: +49 (0) 40 228 68 19 99

E-Mail: info@wessel-umwelttechnik.de

wessel-umwelttechnik.de







CarboTech Gruppe Elisenstr. 119, 45139 Essen, Germany Tel.: +49 (0) 201 24 89 9000

Fax: +49 (0) 201 2489 800 E-Mail: info@carbotech.de

carbotech.de