

CO₂ Adsorber

A 100% Van Amerongen product



- Maintaining the low (dynamic) O₂ level in the CA room during CO₂ adsorption without additional N₂ injection
- The one tank adsorber with the counter-flow principle is the most effective & energy friendly system
- The adsorber is easily accessible for service & maintenance

VA makes the difference



Because the lid is bolted, the active carbon can be easily replaced without affecting the tank. This means that the carbon can be replaced quickly, saving you money on maintenance costs



Technology (valves/motor) easily accessible for service by means of sheet metal with quick closure



Frequency controlled motor, low energy consumption and limited starting current. This is possible because this motor is directly driven and does not use a V-belt



Standard provided with alarm contacts for compressed air, thermal and over voltage. This improves the reliability of the system so that the machine remains low in maintenance

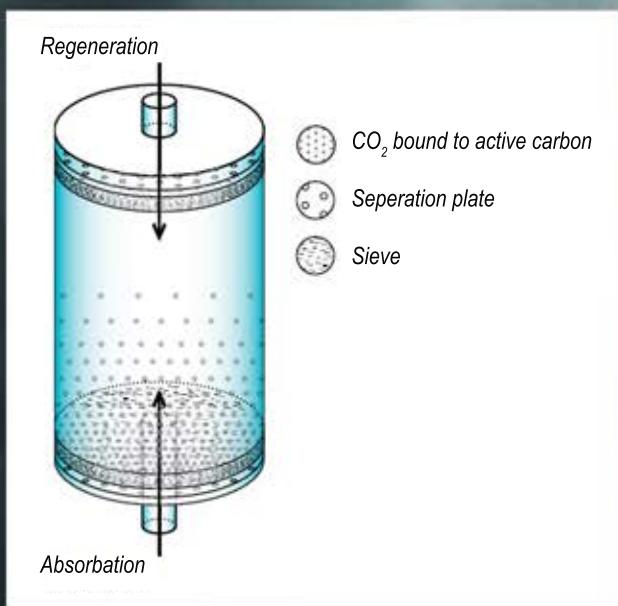


High-quality Burkert valves for controlling butterfly valves. This improves the reliability of the system so that the machine remains low in maintenance

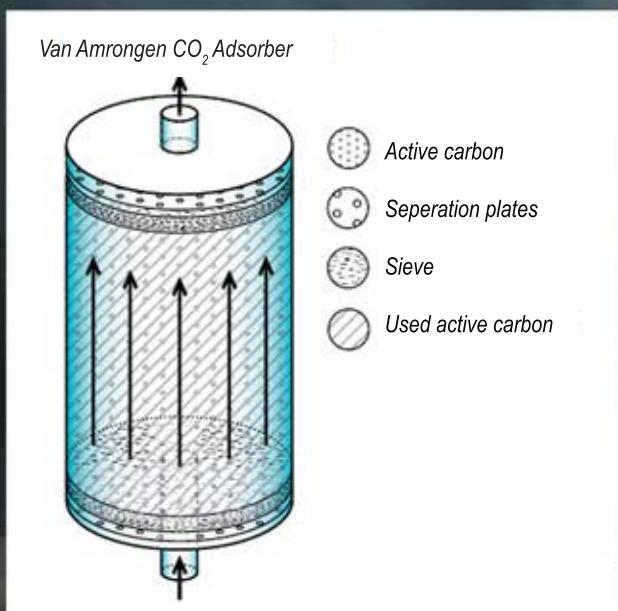


All our adsorbers are equipped with an adsorption and regeneration tap. This allows a service technician or yourself to easily measure the capacity and leak-tightness of the system

VA makes the difference



The use of the counter-flow principle whereby, during regeneration (cleaning), air is pumped in the opposite direction to the direction used during adsorption (of CO₂): This leads to a shorter cycle because the active carbon is cleaned more quickly and thus has a greater capacity



A unique system of sieves and separation plates leads to the air being evenly distributed through the active carbon and resulting in a capacity increase of 30%



High-quality maintenance-free butterfly valves with maximum flow and open / close indication



All our CO₂ Adsorbers are equipped with low oxygen lungs / buffers. This is important to achieve extremely low oxygen percentages and enable ACR. A low oxygen lung also contributes to energy efficiency, because no N₂ needs to be added by a generator



All our CO₂ Adsorbers are standard equipped with an overvoltage protection to protect the fan. In this way, the fan will never be damaged when for whatever reason it has to deal with overvoltage

VA CO₂ Adsorbers

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Type	Capacity (kg) (24h-1 at 3%)	Voltage (VAC)	Current (Amps)	Power (kW)	Dimensions W x D x H (cm)	Weight (kg)	Content low oxygen lung (m ³)
VA100	70	230	4,0	1,1	110 x 120 x 195	502	3
VA150	100	230	4,0	1,1	110 x 135 x 195	655	3
VA200	150	230	5,0	1,1	110 x 110 x 195	755	4
VA350	200	230	5,0	1,1	110 x 160 x 195	830	6
VA500	250	400	4,0	2,6	115 x 170 x 220	1.290	10
VA600	325	400	4,0	2,6	115 x 170 x 220	1.290	10
VA900	450	400	5,0	2,8	120 x 180 x 220	1.390	10
VA1000	550	400	5,0	2,8	120 x 180 x 220	1.390	10
VA1200	650	400	6,8	3,1	140 x 190 x 220	1.760	12
VA2000	800	400	10,0	5,0	140 x 190 x 220	1.775	2 x 10
VA2500	900	400	11,0	5,5	140 x 200 x 240	1.990	2 x 10