

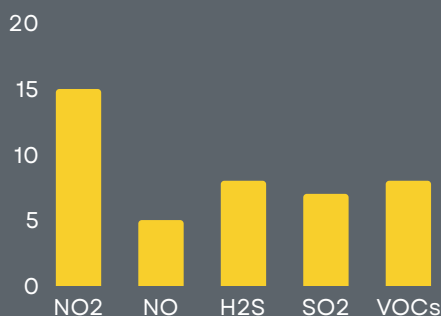


GAC Blend

Filtration Media

Our GAC Blend combines VEL granular activated carbon sourced from anthracite coal with VEL Orion. VEL Orion consists of alumina spheres infused with 8% potassium permanganate ($KMnO_4$), while VEL GAC is CTC60 granular virgin activated carbon without impregnation. This blend effectively removes high molecular weight compounds like VOCs, as well as low molecular weight compounds such as acidic gases, nitrogen, and sulfur.

Removal Capacity of Pollutants (%) @ 50/50 ratio



Specifications

Properties	Value	Units	Value	Units
Apparent density	0.45-0.7	g/cm ³		lb/ft ³
Sphere Diameter	1-3	mm		
Surface area	1052	m ² /g	5136	ft ² /lb
Available mesh sizes	4x8, 8x30, 8x16, 12x40, 30x60, 20x50, 80x150			
Crush strength	> 98%			
Moisture content	4 - 10 %			
Available blends	80/20, 70/30, 60/40, 50/50			

Operating Conditions

Parameter	Value (metric)	Value (British)
Temperature	< 50 C°	< 122 F°
Relative Humidity	10-95%	
Efficiency	99% min	
Storage	5-30 C°	41-86 F°
Shelf life	2 years	

Packaging Options

Big bags	500 kg	1100 lb
Small bags	25 kg	55 lb



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