



Model/Type : **COT**  
**CO<sub>2</sub> ABSORBER**  
( For DM Storage Tank Vents )

**INTRODUCTION**

TANKSERV CPE is world's biggest provider of Low-Pressure-Drop CO<sub>2</sub> Scrubbers and CO<sub>2</sub> Absorbers for demineralized water tank and other storage tank vents.

Over 500 units of TANKSERV CPE CO<sub>2</sub> Scrubbers are installed at power stations and water treatment plants in Europe, the Middle East, Africa and the American continent.

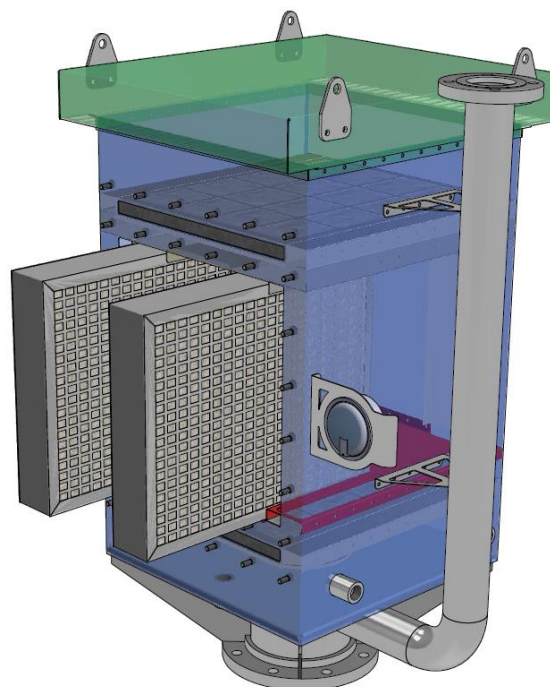
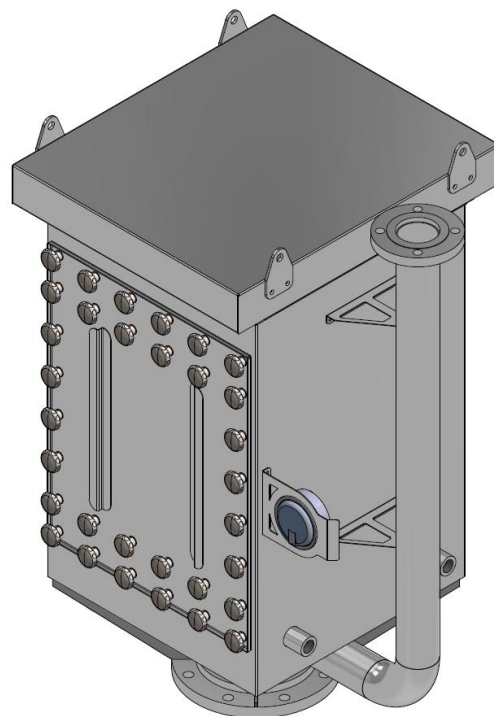
The absorber filters are equipped with Replacement CO<sub>2</sub> Filter cells and particulate filters. To facilitate the maintenance of the absorber filters, the units can be connected to the Distributed Control System (DCS) of your plant.



These Filter Units are specifically designed for the removal of CO<sub>2</sub> from the airflow occurring during filling and emptying of storage tanks. This is of particular importance when applied to the Condensate and Demineralised Water Storage Tanks associated with Combined Cycle Power Plants.

- Filter Units can be flange mounted directly on top of the tank's breather vent or placed at ground level with duct connections to the tank's inlet/outlet breather. Lifting lugs are also provided for ease of handling and positioning.
- The units contain replaceable Filter Cells for the adsorption of CO<sub>2</sub>
- Disposable or cleanable Pre and Post filters are incorporated within the units
- A Pressure / Vacuum relief valve is also fitted to allow the airflow to bypass the unit should the filters become blocked
- Differential pressure gauges are fitted as Standard
- Caseworks are manufactured in 304 or 316 Stainless Steel

Individually designed units to meet customer requirements



If you want us to prepare a quotation, we would need the following information :

Maximum Liquid (Water) Capacity in Tank	m <sup>3</sup>	Maximum Water Out Flow Rate (Pump Out, Vacuum)	m <sup>3</sup> /h
Maximum Tank Filling Rate (Pump In, Pressure)	m <sup>3</sup> /h	Average Liquid (Water) Storage Temperature	° C
Approximate Location or North/South Latitude of Tank Site	m <sup>3</sup> /h	Connecting Flange	inch
<b>IF THE TANK IS INSULATED</b>			
Total Tank Surface Area (Shell and Roof)	m <sup>2</sup>	Insulation Type/Material	
Total Insulated Surface Area (Shell and Roof)	m <sup>2</sup>	Inside Heat Transfer Coefficient (Typical value for tanks: 4 W/m <sup>2</sup> · K)	W/m <sup>2</sup> · K
Insulation Thickness	mm		