

CO₂ ABSORBER



YouTube



Certificates & Standards





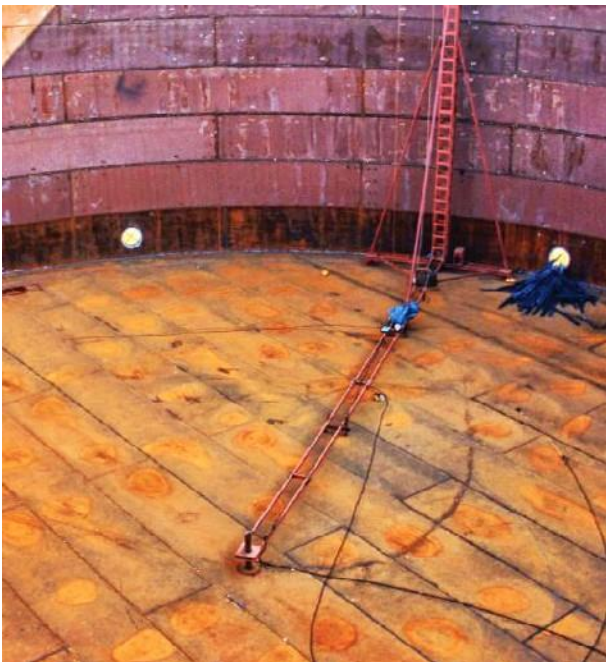
Prevent Corrosion Effects

Corrosion is a serious danger for the systems, it might cause serious deficiencies. Unwanted elements in the flow are prevented with our absorber and that contributes the duration and long lifetime of your systems. Our CO₂ Storage Tank Vent Absorber absorbs harmful gas into the tank and helps to prevent corrosion.



Protection Against High Humidity And Evaporation

Tanks these are exposed to high humidity and steaming may start to aging and lose their durability. Storagetech CO₂ Storage Tank Vent Absorber is designed to protect your products against harmful effects that also include high humidity and steaming. After the process is applied by our absorber, you can be sure that you will obtain higher resistant products.



Specialising

Each request is specially evaluated and applicable methods are presented. Filtration process is carried out by both physical and chemical methods. Absorbent must be chosen truly. Based on the correct definition of the unwanted gas or content, appropriate absorbent method can be chemical, physical or both which shall be applied to provide maximum effectiveness.

Additional Equipment

Utilizing combined ATEX certified flame arrester for flammable liquids, system protection can be achieved successfully. Specially designed flame arresters can be certified both IIA/IIB Gas Groups.

Certificates & Standards



Key Features

- Prevents humidity and unwanted gas or content.
- Prevent corrosion effects.
- Absorbent color can be change.
- Change can observed with sight glass.
- Can be follow by automation from the control center.
- Easy filter change.
- Specially designed for use top of the tank or ground usage.
- Absorb gases in the air inlet the tank.
- To be increase gas contact surface area by the asimet-ric filter placement.
- Low pressure drop.

Product Benefits

The absorption effect of the filters are maximized by specially designed increased geometry to slowing down the flow as much as possible to increase contact time of the molecules with absorbent.

By increasing the surface area with asymmetrically placed filter cartridges, unwanted gases are absorbed providing longer route and area to find enough time to contact with absorbent particles, thereby completely removal action is achieved successfully.

Thanks to the inclined roof design, issues that may arise due to atmospheric effects on the product are minimized and product life is extended any issue.

It has already have own Pressure-Vacuum breathing vent which shall be delivered to site already set for operation pressure.



Different Option for Filter: HEPA

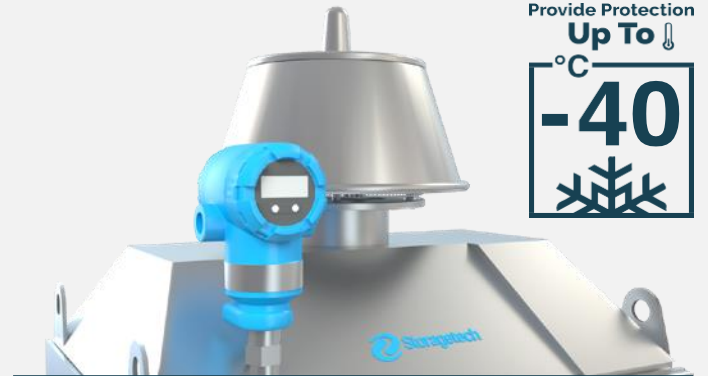
Model 1200 work with a specially designed HEPA filter for maximum filtration efficiency. HEPA, which stands for High Efficiency Particulate Air, is a designation used to describe filters that are able to trap 99.97 percent of particles that are 0.3 microns.

This HEPA filters can also be easily extracted for cleaning and replacement.

Particules following a line of flow in the air stream come within one radius of a fiber and adhere to it. Mid side particules are being captured by this process. Particules below 0.3 microns are captured by diffusion in HEPA filter. An enhancing mechanism that is a result of the collision with gas molecules by the smallest particules, especially those below 0.1 microns in diameter, which are thereby impeded and delayed in their path through the filter; this behavior is similar to Brownian motion and raises the probability that a particle will be stopped by either interception or impaction; this mechanism becomes dominant at lower air flow.

Custom - Made Designing

Winter protection systems are specially designed for extreme cold areas, offered with self regulating heaters and insulation systems are provide protection up to -40C.

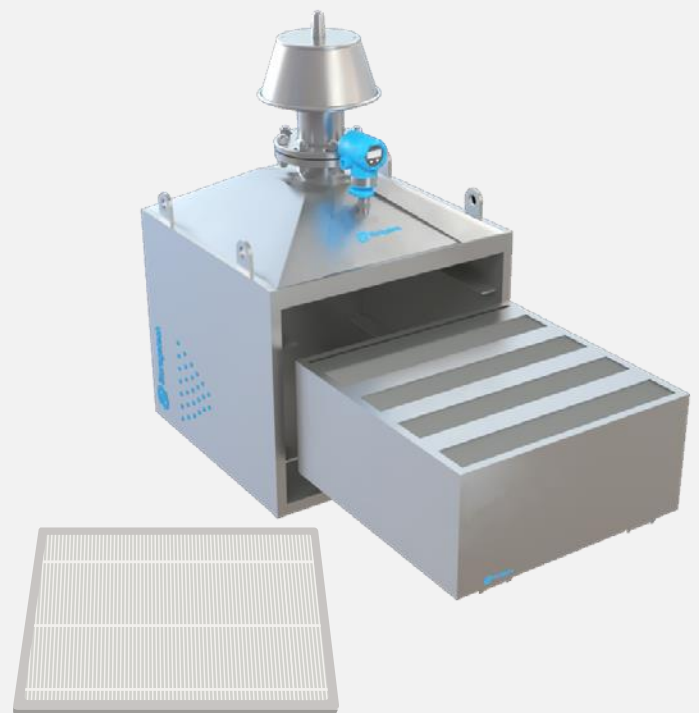


Pressure transmitter has the 4-20mA and having HART protocol. All activities can be monitored from the Control Center. The blockage of high, low or both impulse lines can be determined.

Pressure drops can be monitored utilizing differential pressure meter in the filter so that filter depletion that occurs before the planned product period or volumetric changes causing blockage issues are monitored effectively.



Color indicators are showing the depletion rate of the cartridges. Cartridge change can be achieved in a minutes with its user-friendly design.





Can Be Used

Unpredictable Pressure Changes

Loading or unloading the tank may cause unpredictable pressure changes in the system and it may cause serious damages. Storagetech CO₂ Storage Tank Vent Absorber is resistant to this kind of effects with Pressure Vacuum Vent and it can be used also under the unpredictable pressure changes conditions.



Can Be Used

In Storage Tank Farms

Tank Farms implies the group of tanks that consists more than one tank. Storagetech CO₂ Storage Tank Vent Absorber can be used also for the tank farms instead of using different absorbers for each tanks and that brings a serious cost reduction for the companies. It works perfectly for the tank farms and comes out with the same performance such as using it for the one tank.




Asymmetrically

Increase The Surface Area

Storagetech CO₂ Storage Tank Vent Absorber has its unique design to optimize the surface area and increase the effect of cartridges to make them absorb maximum harmful elements. Its perfect asymmetric design helps to obtain optimum result. By increasing the surface area with asymmetrically placed filter cartridges, unwanted gases are absorbed providing longer route and area to find enough time to contact with absorbent particles, thereby completely removal action is achieved successfully.

Advantages & Technical Details

- 
- Can be used for undesired damp.
 - Emission Control: Removal of undesired gases.
 - Prevents absorption of steam by a material in a storage tank.
 - Asymmetric Filter & Easy Filter Change
 - Material can be specified following; Al / CS/ SS 304 / SS 316 and other higher grades.
 - Developed to work with low pressure drops.
 - Protection against high humidity and evaporation.
 - Can be used in storage tank farms.
 - Flange Connections are according to ASME / DIN/ JIS etc.
 - Easy installation and maintenance.
 - Easiness with renewal of Storage Tank Vent Dryer ISG filter.
 - Removes corrosion effects.
 - Conservation the purity of stored liquids.

35.000
SQUARE METER
MANUFACTURING
SPACE



300+
EMPLOYEES



40
YEARS
OF EXPERIENCE



4 MAIN
OFFICE



200+
DIVERSE RANGE
PRODUCTS



30+
INTERNATIONAL
REPRESENTATIVES



QUALITY
CERTIFICATES



AT 4
REGIONS

