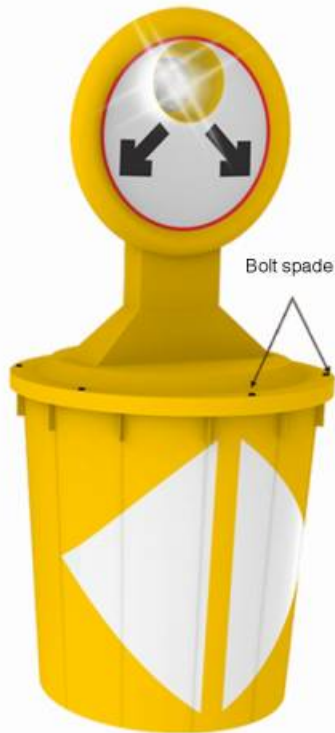


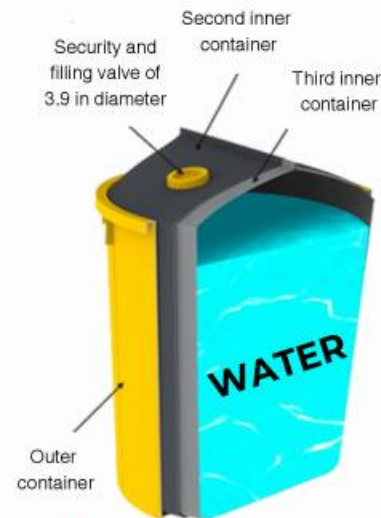
ABSORB 400

IMPACT ATTENUATOR WITH TRIPLE CONTAINER MODULES

Code: ABSORB-400



No water loss through evaporation.
The water steam is condense inside of
the third inner container and recovers its
original volume.



DESCRIPTION

- The new "IMPACT ATTENUATOR BY TRIPLE CONTAINER MODULE SYSTEM" is integrated by a main module, along with universal modules
- It is used in entrance of forks, exits of highways and high speed tracks to protect structures like bridges, posts and vertical signs.
- Each module has an outer container with 105-gal capacity, which on its interior has a second flexible container, at the same time, this second flexible container has a third inner flexible container.
- Inner containers are filled with water up to 80% percent of its capacity, enabling a 20% of empty space for water to move when it is impacted.
- The protection the outer container provides with the inner containers create a barrier that impede sun rays pass through avoiding the growth of bacteria in the water, so water can be conserved by many years without changing.
- Inner containers are airtight sealed thanks to a security and filling valve, when it is hot the liquid evaporates on the third container without steam loss, and when the weather is cold at night, the steam is condensed and water recovers its original shape and volume.
- The outer containers of the Absorb 400 has 12 structural reinforcements for anti-deformation to increase its resistance.
- The main module has a lamp with four modes powered by solar cells that can be visible from a long distance.
- As a complementary element is recommended to integrate a group of flexible delineator posts that doesn't damage vehicles after run overs but generate a strong warning sign.
- The main module has space to sign or label the signs with reflective sheeting.
- The caps of the outer containers are fixed with safety bolts that avoid detachment of caps due to wind gusts or vandalism.
- According to the available space in each point, it is possible to integrate a greater quantity of universal modules to reach the test level TL-3 in compliance with NOM-008-SCT2-2013.
- Security valve and filling with 3.9 in inner diameter.

ABSORB 400

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MEASUREMENTS

Main module

- Diameter: 35.4 in
- Height: 6.2 ft
- Volume: 105-gal

Color

- Yellow

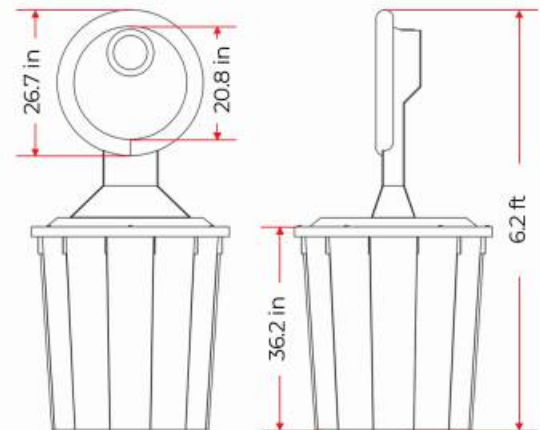
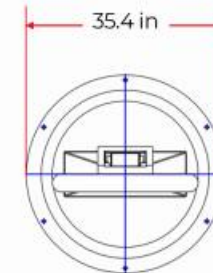
Universal module

- Diameter: 35.4 in
- Height: 36.2 in
- Volume: 105-gal

Color

- Yellow

Main module

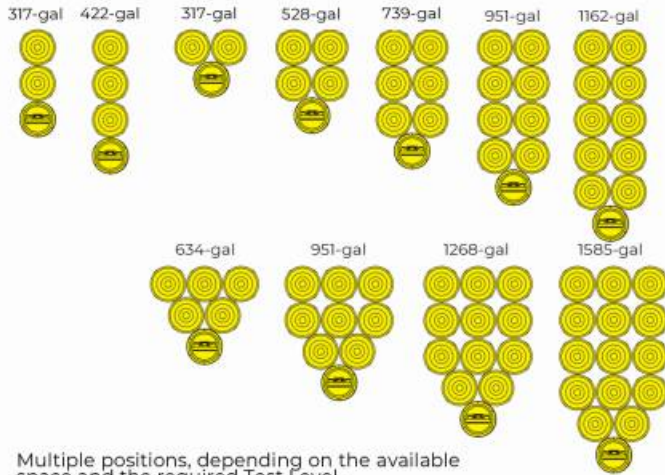


Main module

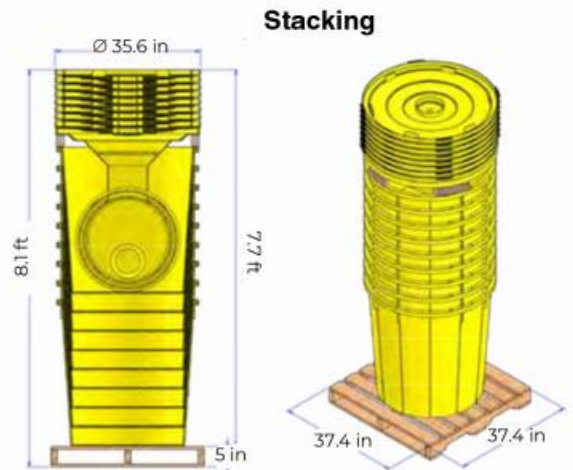


ABSORB 400 IMPACT ATTENUATOR WITH TRIPLE CONTAINER MODULES

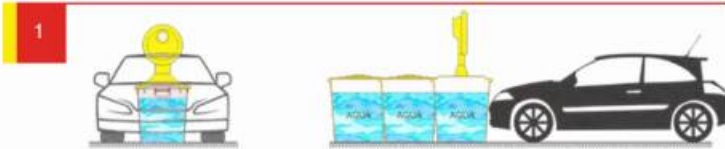
Code: ABSORB-400



Multiple positions, depending on the available space and the required Test Level..



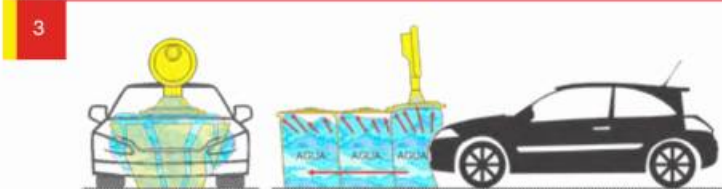
Stacking modules, 1 main module and 8 universal modules (951-gal) in a pallet of 37.4 x 37.4 in to transport in trailer or container.



- The new "IMPACT ATTENUATOR BY TRIPLE CONTAINER MODULE SYSTEM" of the Absorb 400 consists in modules integrated by a polyethylene outer container which on the inside has a second flexible container, and this second has on its inside a third flexible container.
- The third inner container is fill with water up to 80% of its capacity and it is airtight seal through a security valve of a 3.9 in of inner diameter, enabling a 20% of empty space for water to move when the module is crashed.



- When a vehicle collisions against the Absorb 400, the outer container is deformed, get crushed or broken putting pressure on the 2 flexible inner containers.
- Water is moved filling the empty space on the inner container, increasing the contact surface and absorbing the energy of the vehicle's impact.
- If the outer container is broken, the inner containers are molded to the vehicle and absorb the strength of the impact, at the same time the main module is moved to the direction of the impact and exerts the pushing on the universal modules that are behind, creating the same effect on the inner modules, and continue absorbing the impacts'strength in all the modules.



- Subsequent modules have a chain reaction of cushioning that slow downs the vehicle in a safe and control way.
- According to the available space and required test level criteria of each point, it is possible to integrate more modules.