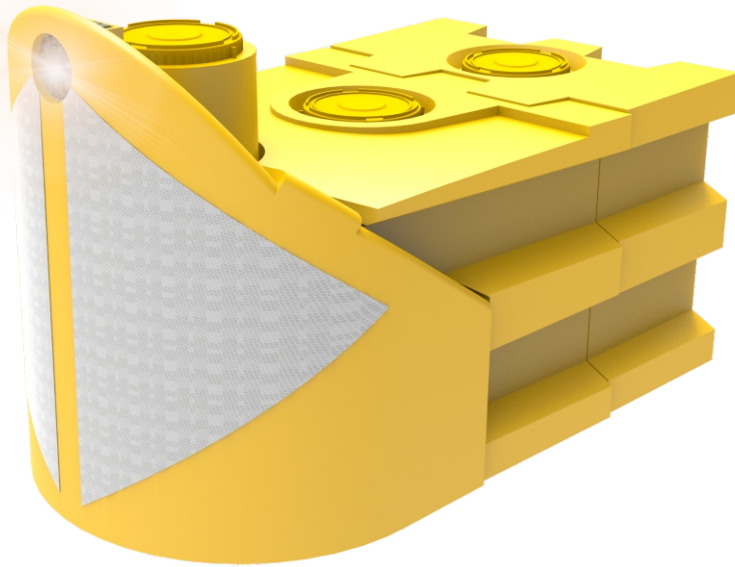


A leader doesn't follow steps, **he marks the way.**

## FEATURES:

The function of a Triple Container Impact Absorber Modular Technology (TCIA) device is to protect people's lives, but also those important structures along the road like bridge bases, posts, signs, trees, junctions and those things that a vehicle can damage in a crash. Thus, the absorption of kinetic energy translates in less gravity or no damages at all in people, properties or fauna.

- The **TCIA technology** consist of a group of modules, every module has an exterior container and a second flexible container inside, and a third one inside the second. The last one has a fill-in valve that you have to charge up to 80 % with water, the valve also works as a pressure relief valve in case of an accident.
- The interior container arrangement is filled with 80 % of water and 20 % empty room so in case of accident the strength of mass at high-speed shocks with this engineered cushion system.

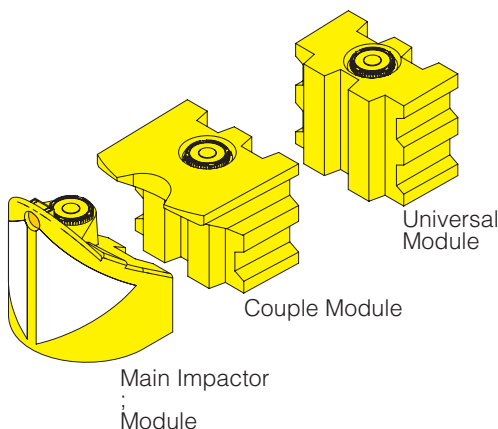



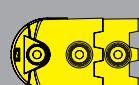
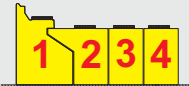
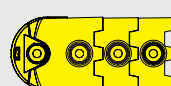

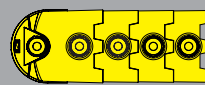

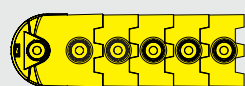

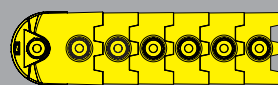
**¡No maintenance required at all!**

No water losses by evaporation. No need to refill constantly the containers.

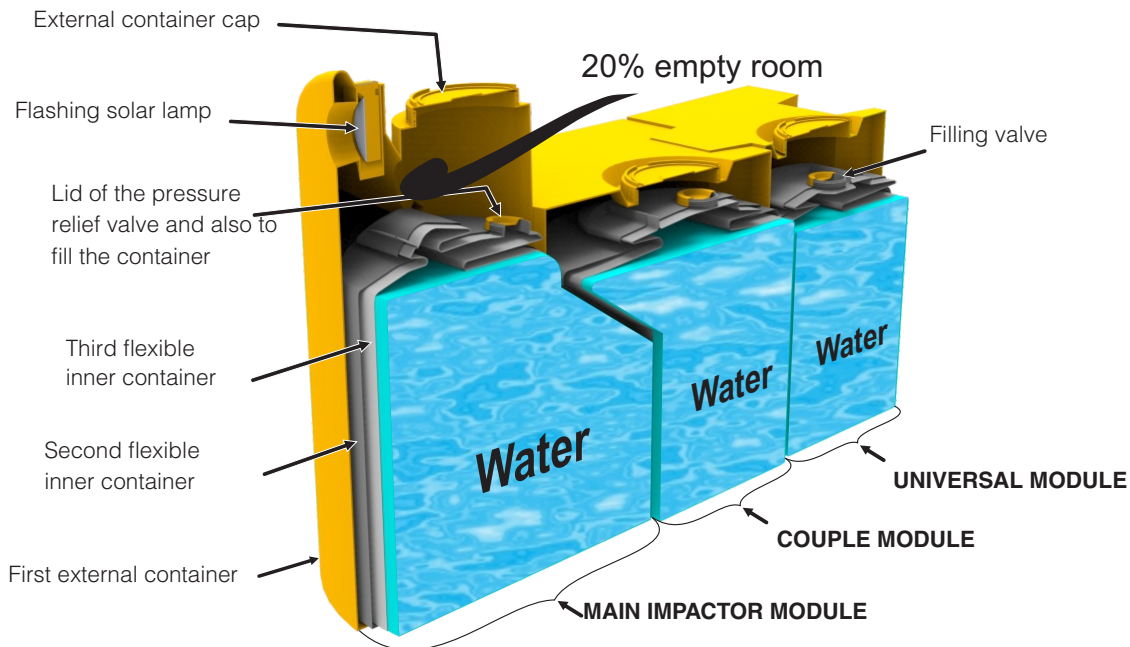
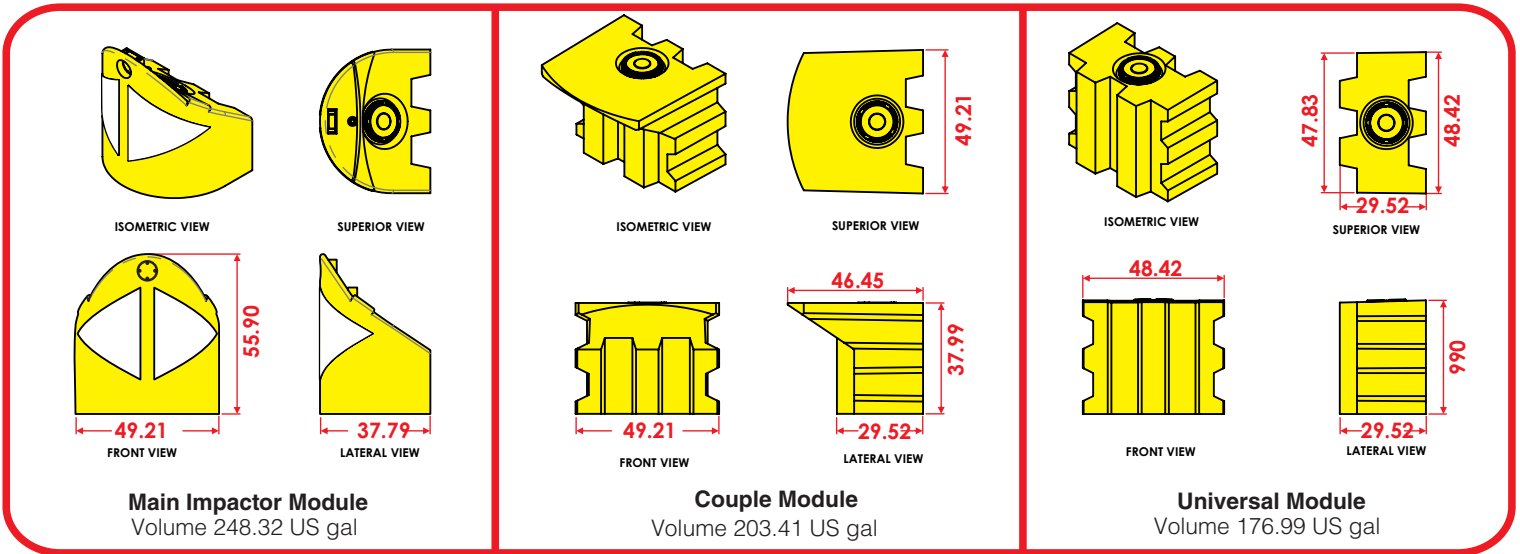
## JUST ADD MORE MODULES AND INCREASE THE SAFETY LEVEL PROTECTION

- The ABSORB 940 is the sum of the Main impactor module, a Couple Module and one or more Universal Modules. If you want to increase the safety level of protection you can put more universal modules.



31.25 to 37.5 MPH		
CONTAINMENT 2 (MASH) 43 MPH		
50 to 56 MPH		
CONTAINMENT 3 (MASH) 62.5 MPH		
68 to 75 MPH		
	<b>SIDE VIEW</b>	<b>TOP VIEW</b>

**MEASURES: All in inches.**

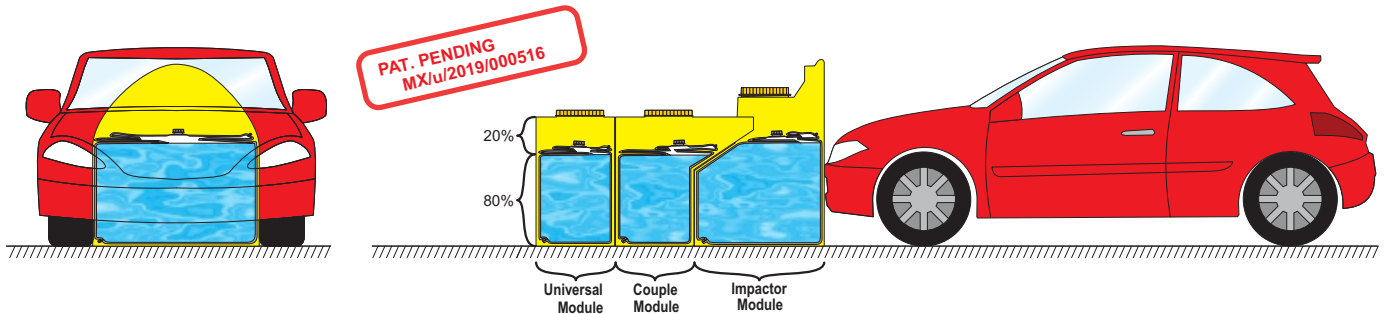


- Up to 50% more damping capacity over the impact cushioners with simple water plastic bareels.
- Up to 10% more damping capacity than the cushioners with steel frame and water barrels.
- It doesn't have metallic parts that could harm passengers or damage vehicles.

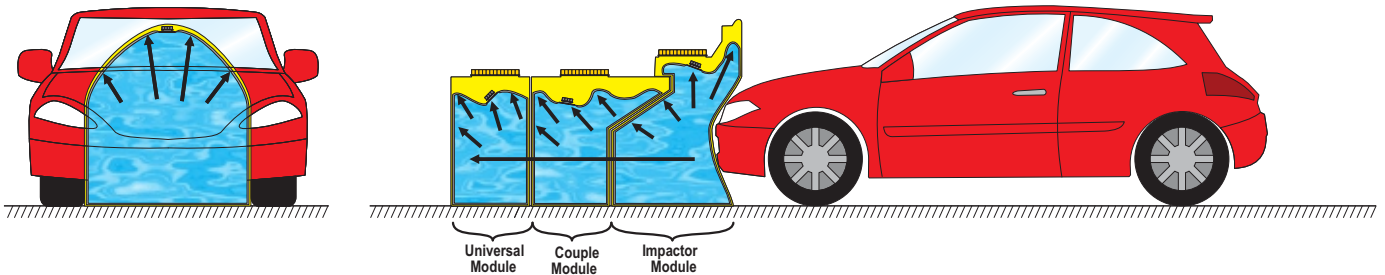


## HOW CUSHION EFFECT WORKS?

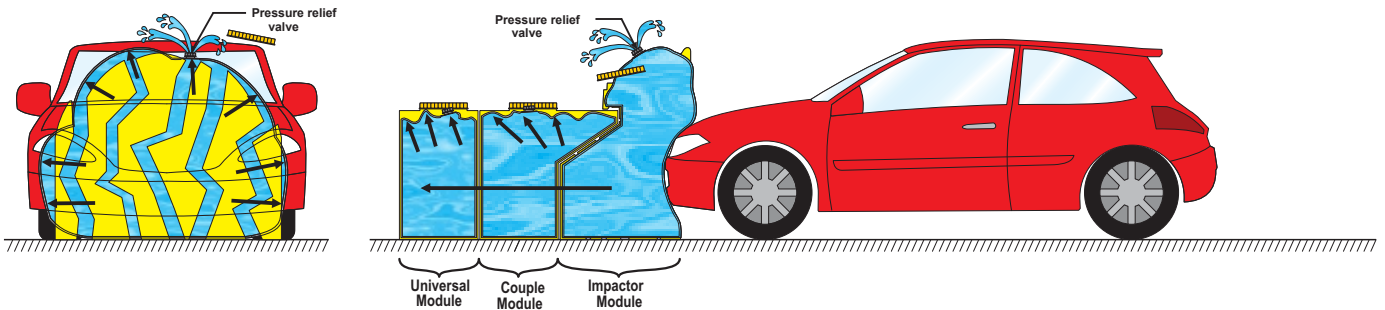
*"Triple Container Impact Absorber Modular Technology (TCIA)"*  
(PAT. PENDING Reserved Rights Multiseñal S.A. de C.V.)



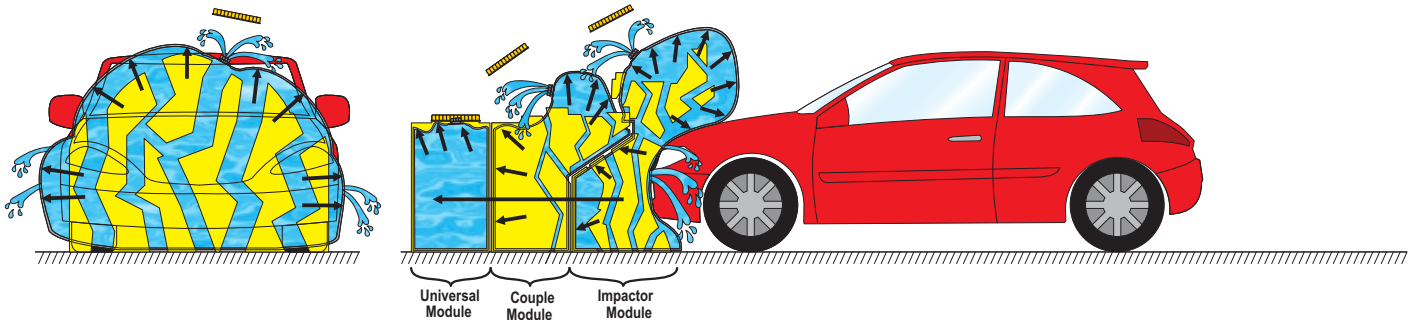
First, the flexible inner container arrangement of each module fills with water up to 80 % of the volume of the third external container, then the container must be well closed, sealed with no air inside, and fold the empty part inside the external container.



When the first module receives the impact, it deforms and passes the shock pressure to the next containers forcing water movement to the empty room.



Depending on the kinetic energy, the external container can be destroyed and the safety valves open letting the water flow by oriented holes and in a controlled way, while they still had been absorbing the speed and the mass momentum of the vehicle.



The impact can rip the container but the arrangement continues damping the vehicle, the container takes the shape of the front of the car increasing the contact area and therefore, the cushioning effect. This engineered solution saves lives, and diminishes damage extension.