



## DYNASAFE Product Information ECV

### ECV – Explosion Containment Vessel



The ECV series of vessels can be configured in for two purposes: a mobile design for containment and transport or designed for more stationary use, e.g. for storage and experiments. The ECV Series is always customized, but most often designed to be gas-tight for use with explosives, toxic material or those in combination. The ECV is also designed to withstand repetitive detonations up to the maximum amount of explosives specified.

Stationary ECVs delivered by Dynasafe are used for e.g. testing of explosives, munitions and munitions components. In the process of commercial development and production of munitions and explosive devices, testing is one of the main aspects to assure that the devices fulfil the requested properties and technical performance data.

The Dynasafe explosion containment vessels (ECV) have a long-standing record. The first chamber was delivered in 1981 to the Swedish Detonic Research Fund and is still in operation.

Different Mobile ECVs are in operation worldwide for the transport of explosives and munitions. Several chambers have been delivered for the safe transport of chemical munitions; especially old recovered munitions. For this purpose clients in the USA, Germany, Japan, Sweden and China rely on Dynasafe's expertise and experience in areas such as safety against explosions and designing gas-tight equipment.

Dynasafe delivers customized explosive research chambers, featuring e.g. the following specifications and options:

- Windows enabling ultra high speed filming of detonations
- Pressure recording equipment
- Remote controlled loading/unloading
- Fragment protection shields
- Decontamination equipment
- Gas sampling and off-gas cleaning
- Gas detectors
- Internal heating device for destruction
- Variety of vehicles/trailers for mounting onto



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