NABCO Total Containment Vessels

Self-Closing Total Containment Vessels
NABCO’s line of self-closing Total Containment Vessels (TCVs) allow EOD technicians to safely contain, transport & dispose of explosive devices. Equipped with a hydraulic yoke system, the vessel can be quickly opened and closed from a tethered pendant control, providing safer stand-off for the technician.

Self-Closing Gas-Tight Total Containment Vessels
NABCO’s line of self-closing Total Containment Vessels (TCVs) can be upgraded with a chemical/biological package to contain, transport and dispose of explosive devices that contain biochemical hazards up to its full explosive rating. In addition, these units can be outfitted with radiological protection against “dirty” bombs.

Testing and Certification
» All units are radio-graphed and explosively tested before delivery.
» All sealed units are provided with sealed proof testing reports.
» All primary welding is 100% non-destructive tested for quality control.
» All TCVs are designed to withstand repeated detonations with minimal maintenance.
» Approved by Department of Defense Explosive Safety Board (DDESB).
» Designated as a Qualified Anti-Terrorism Technology by the U.S. Department of Homeland Security (DHS).

Model 42 TCV Product Line Standard Specifications
Model 42-SCS Total Containment Vessel
Explosive Rating (Repeated Use): 10 pounds (4.54 kg) Military C-4 or 12.8 pounds (5.81 kg) TNT
Explosive Rating (One-Time Use): 20 pounds (9.07 kg) Military C-4 or 25.6 pounds (11.61 kg) TNT
Chemical/Biological Upgrade Model 42-GT-SCS
BioChem-Rated™: Unit operates in sealed mode to mitigate hazards associated with biological and/or chemical device up to the full explosive rating
Sampling: Vapor and liquid sampling capability using vacuum technology

Model 42-SCS and 42-GT-SCS Access
Door Access: 22.5 inches (57 cm).
Door Location: 90 degrees from the trailer floor to facilitate robotic loading by EOD teams. Side loading door port eliminates dangerous toploading procedure.
Door Operation: Automatic, hydraulic yoke system; emergency back-up system provided to operate door yoke in the event of generator failure.
Internal Placement: Telescopic internal basket assembly to facilitate remote loading.

Standard Model #2 Trailer
Trailer Length: 16 feet (4.9 m)
Overall Width: <102 inches (259 cm)
Standard GVWR: 10,000 pounds (4,600 kg)
Dual Axles: 5,000 pounds (2,300 kg)
Deck Height: 26 inches maximum (66 cm)
Tongue Weight: 10-15%
Standard Brakes: Electric
Frame Construction: Aluminum
Other: On-board generator; standard lighting to US DOT standards; undercoating; heavy duty safety chains provided

Model 64-SCS Total Containment Vessel
Explosive Rating (Repeated Use): 15 pounds (6.8 kg) Military C-4 or 19.28 pounds (8.75kg) TNT
Explosive Rating (One-Time Use): 26 pounds (11.8 kg) Military C-4 or 33.4 pounds (15.1 kg) TNT
Chemical/Biological Upgrade Model 64-GT-SCS

BioChem-Rated™: Unit operates in sealed mode to mitigate hazards associated with biological and/or chemical device up to the full explosive rating

Sampling: Vapor and liquid sampling capability using vacuum technology

Model 64-SCS and 64-GT-SCS Access

Door Access: 34 inches (86.4 cm).
Door Location: 90 degrees from the trailer floor to facilitate robotic loading by EOD teams. Side loading door port eliminates dangerous toploading procedure.
Door Operation: Automatic, hydraulic yoke system; emergency back-up system provided to operate door yoke in the event of generator failure.
Internal Placement: Telescopic internal basket assembly to facilitate remote loading.

Standard Model #6 Trailer

Trailer Length: 16 feet (4.9 m)
Overall Width: <102 inches (259 cm)
Standard GVWR: 16,000 pounds (7,257 kg)
Dual Axles: 8,000 pounds (3,629 kg)
Deck Height: 26 inches maximum (66 cm)
Tongue Weight: 10-15%
Standard Brakes: Electric
Frame Construction: Aluminum
Other: On-board generator; standard lighting to US DOT standards; undercoating; heavy duty safety chains provided.