

NABCO Model 42 Gas-Tight Self-Closing TCV



The NABCO Model 42-GT-SCS Total Containment Vessel

The Nabco Model 42-GT-SCS is a gas-tight Total Containment Vessel equipped with an automatic hydraulic yoke system that allows closure of the vessel in a faster, safer method.

Specifications:

Maximum Explosive Containment: 10 lbs. Military C-4

TCV Weight: 4,000 lbs.

Outside Diameter: 44"

Ability to Decontaminate: Provided on System

Door Access: 22.5"

Door Operation: Automatic, Hydraulic Yoke System, Emergency back-up system is provided in case of system failure to by-pass hydraulic system

Door Location: Door access port is located 90 degrees from the trailer floor to facilitate robotic loading by EOD Teams. The system has been designed with a side loading door port. Dangerous top loading procedure has been eliminated.

Internal Placement: The unit is equipped with an telescopic internal basket assembly so suspect packages do not need placed inside the unit, but can be remotely loaded.

Reusable: The unit will withstand repeated detonations with minimal rework.

Temperature Rating: Unit is certified to operate from -32 degrees (F) to +120 degrees (F).

Testing: Units supplied with certified test report. All units radio-graphed to the requirements of ASME Section 8.





Nabco Model 42-GT-SCS with Model #2 Trailer

Detailed Specifications:

Trailer Model #2 Specifications:

- Trailer Length: 16'
- Overall Width: <102"
- G VWR: 9,400 lbs.
- Dual Axles: 5,500 lbs. each
- Deck Height: 26" maximum
- Trailer Weight Empty: 2,000 lbs.
- Tongue Weight: 1,000 lbs. or customer specify
- Brakes: Electric or Surge
- Trailer Frame Construction: Aluminum
- Hitc h: Pintel



Lighting to US DOT Standards
 Undercoating Standard
 Heavy duty safety chains provided.

Miscellaneous Options:

- Control Panel.
- On-board 12 volt back up power system provided to operate door yoke in the event of generator failure.
- Provisions provided to allow for shoreline operation and direct operation off towing vehicle 12-volt power system.
- Trailer will be provided in polished aluminum finish, not painted.
- TCV painted to customer requirements.
- On-board 8 KW (Wynco) generator provided to power the automatic door closure yoke.

Note: Nabco reserves the right to modify or change any of the listed specifications to improve the operation of the system.

NABCO Model 42 Self-Closing TCV



The NABCO Model 42-SCS Total Containment Vessel

The Nabco Model 42-SCS is a Total Containment Vessel equipped with an automatic hydraulic yoke system that allows closure of the vessel in a faster, safer method.

Specifications:

- Explosive Rating: 10 lbs. Conventional Venting
- Maximum Explosive Containment: 10 lbs. Military C-4
- TCV Weight: 3,500 lbs.
- Outside Diameter: 44"
- Ability to Decontaminate: Provided on System
- Door Access: 22.5"
- Door Operation: Automatic, Hydraulic Yoke System, Emergency Back-up System is provided in case of system failure to bypass hydraulic system
- Door Location: Door access port is located 90 degrees from the trailer floor to facilitate robotic loading by EOD Teams. The system has been designed with a side loading door port. Dangerous top loading procedure has been eliminated.
- Internal Placement: The unit is equipped with an telescopic internal basket assembly so suspect packages do not need to be placed inside the unit, but can be remotely loaded.
- Reusable: The unit will withstand repeated detonations with minimal rework.
- Temperature Rating: Unit is certified to operate from -32 degrees (F) to +120 degrees (F).
- Testing: Unit is supplied with certified test report showing proof test with 10 lbs. C-4 explosives. All units radio-graphed to the requirements of ASME Section 8.





Nabco Model 42-SCS with Model #6 Trailer

Detailed Specifications:

Trailer Model #6 Specifications:

- Trailer Length: 16'
- Overall Width: <102"
- GVWR: 9,400 lbs.
- Dual Axles: 5,500 lbs. each
- Deck Height: 26" maximum
- Trailer Weight Empty: 3,000 lbs.
- Tongue Weight: 1,000 lbs. or customer specify
- Brakes: Electric or Surge
- Trailer Frame Construction: Aluminum
- Hitch: Pintel

Lighting to U.S. DOT Standards
Undercoating standard
Heavy duty safety chains provided

Standard Features:

- On-board 12-volt back-up power system provided to operate door yoke in the event of generator failure.
- Provisions provided to allow for shoreline operation.
- Trailer will be provided in polished aluminum finish, not painted.
- TCV painted to customer requirements.
- On-board 8 KW (Winco) generator provided to power the automatic door closure yoke.
- Hydraulic pump.

Miscellaneous Options:

- Logic Control Panel for robotic operation.
- Direct operation off towing vehicle 12-volt power system.
- Individual on-board breaker panel provided for hydraulic pump and generator.
- On-board ground cable provided.

Note: Nabco reserves the right to modify or change any of the listed specifications to improve the operation of the system.

NABCO Model 42-R-ATV Restricted Access ATV Transporter



The Model 42-R-ATV is a walk-behind unit that allows the TCV to be removed from the towing trailer, similar to other NABCO ATV (All Terrain Vehicle) options. Designed to be as compact as possible, with a smaller total width, length and height than the Model 42-ATV, the Model 42-R-ATV is ideally suited to situations in which EOD teams face the challenge of devices to which access is restricted.

Transporter Specifications:

Total Weight (with TCV): 6,000 lbs.
Total Length : 8'6"
Total Width: 6'8"
Total Height: 5'11"
Ground Clearance: 9"
Turning Radius: Approximately 12'
Speed: Variable, maximum of 1.5 mph

Transporter Specifications:

Length: 15'6"
Width: 8'
Tongue Length: 4'7"
Bed Height: 2'2" max
Bed Length: 10'11"
Bed Width: 5'10"
Trailer Weight: 2,400 lbs.
Capacity: 10,400 G.V.W.
Tires: LT-235/85R16

Options:

- Transporter: Pendant Control, RF Wireless Control
- Trailer: Coupler, Paint

Note: Nabco reserves the right to modify or change any of the listed specifications to improve the operation of the system.

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Nabco Model 42-ATV Transporter



The Nabco Model 42-ATV Transporter is a driveable Total Containment Vessel equipped with an automatic hydraulic yoke system that allows closure of the vessel in a faster, safer method. The transporter is available as both a conventional vented model and as a gas-tight model.



Visibility from the operator's platform is excellent. The door is operational from the forward safety zone.



All Nabco TVCs are designed with side loading door for easier loading of IEDs.



All controls are readily accessible including the vessel pendant control.

Standard Features:

- 20HP gasoline engine with electric ignition, throttle control and choke
- Equipped with alternator and 12-volt battery
- Driven by hydraulic motor and standard rear end/axle combination
- Power Steering
- Emergency brake
- All aluminum frame
- (2) Halogen head lights
- Foam-filled tires to prevent blowout
- Forward/reverse controlled through hydraulic pump



Trailer Specifications:

Trailer Length: 15' 6"
Trailer Width: 8'
Tongue Length: 4' 7"
Bed Height: 2' 2" max.
Bed Length: 10' 11"
Bed Width: 5' 10"

Trailer Weight: 2400 lbs.
Capacity: 10,400 G.V.W.
Tires: LT-235/85R16
Coupler: Optional
Paint: Optional

Standard Features:

- Lighting: To Federal DOT standards
- Axles: Dura-flex rubber ride, no springs
- Brakes: Electric or hydraulic
- Construction: 100% aluminum
- 8" deep tool box built into tongue with lockable cover
- Heavy duty jack stands for support
- 6' 4" long x 5' 9" bottom hinged rear gate built of expanded aluminum grating over tubing
- Drop gate operated using power winch on containment vessel
- Trailers and storage compartments can be modified to customer requirements.

Note: Manufacturer reserves the right to make changes to above due to technical improvements or availability of components.