

Specification for USCG Damage Control Trainers

The US Coast Guard Damage Control Trainer was developed under the main objective of the statement of work of Order No. DTCG23-97-P-MM1A77 dated 09-25-97. Under this contract, Metalite Industries Inc. designed and manufactured three each Damage Control Trainers. The design and development was a joint effort. The end configuration of the trainers resulted in the following specification:

- **All aluminum construction utilizing marine grade aluminum.**
- **Eight unique leak simulations:**
 1. **Large Hull Breach**
 2. **Small Hull Breach**
 3. **Open Through Hull**
 4. **Prop Shaft damage**
 5. **Rudder post leak**
 6. **Clearing port breach**
 7. **Wet exhaust line**
 8. **Ruptured hose**
- **Control manifold allowing for simple switching between simulations and control of head pressure and water flow at leaks. Control manifold equipped with sight glass to measure water head pressure applied at leaks**
- **Water source from either garden hose or fire hydrant capable.**
- **Re-circulating pump to allow for indoor use without external water source.**
- **Matching custom transportation trailer with spare, tongue jack and four leveling jacks.**
- **Drain and flush ports.**
- **Viewing stations attached to simulator.**
- **Exterior epoxy coated in Coast Guard paint scheme.**