



### TRAINER, CLA-VAL AUTOMATIC FUEL-DEFUEL VALVE TRAINER, DEVICE 2H127

#### TRAINING CATEGORY:

AVIATION (Aircraft Fueling Equipment)

#### ORIGINATING AGENCY:

DCNO/AIR

#### SECURITY CLASSIFICATION:

Device 2H127 is unclassified.

#### PURPOSE:

To demonstrate the control system and components of the CLA-VAL Automatic Fuel-Defuel Valve unit. The backlighted board provides a dynamic visual representation of the CLA-VAL control and the twice actual size valve mockup shows the components.

#### INTENDED USE:

In Aviation Boatswain's Mate Fuel School for classroom training of enlisted personnel with varying degrees of proficiency in operation and maintenance of the CLA-VAL Automatic Fuel-Defuel Valve unit.

#### FUNCTIONAL DESCRIPTION:

The fuel/defuel valve, twice the actual valve size, is used to demonstrate the operation and component make-up of an automatic fueling and defueling system. The trainer is board mounted on a stand complete with rubber tired casters. The device provides a visual recognition and facilitate classroom training of personnel by providing a simulation of the flow of fuel through the valve and the pressure control components in the system. This is achieved by a backlighted panel with a lighting system to indicate modes of operation within the valve control system as initiated by pushbuttons for the various modes of operation.

## DIRECTORY OF NAVAL TRAINING DEVICES

There is a control button which will create over-pressure in fueling mode and the defueling mode will take over to initiate a complete shut-off in an emergency situation. The main valve is cutaway to show the interior components and is still operational.

## PHYSICAL INFORMATION:

**Number of Pieces:** One (1) Stand Assembly

**Size:** 66" High x 34" Deep x  
76" Long

**Weight:** 708 lbs.

## POWER REQUIREMENTS:

120 VAC, 60 Hz, 4.5 amp capacity outlet

## PUBLICATIONS FURNISHED:

Operations and Maintenance Guide, Trainer, CLA-VAL Automatic Fuel-Defuel Valve, Device 2H127, NAVTRASYS-CEN, P-5353-8 (U).

## PERSONNEL:

**Instructor:** One (1), Chief or 1st Class PO graduate of Aviation Boatswain's Mate Fuel School with actual experience onboard an aircraft carrier.

**Operator:** Instructor-Operated.

**Trainees:** Class of up to 50

**Maintenance:** One (1) hour per 100 hour utilization. (Approximately every 2 months of use)

## CONTRACT IDENTIFICATION:

Manufactured by United Scale Models Southwest, Inc., Houston, TX under NAVTRASYS-CEN, Orlando, FL Contract No. N61339-86-C-0136.

## LOCAL STOCK NUMBER:

6910-LL-C00-6847