

Marine Recovery Unit



Since 1999, AEREON's Jordan Technologies has applied our Vapor Recovery System to marine loading operations for both domestic and foreign markets.

In order to comply with all of the United States Coast Guards' (USCG) rules and regulations as well as international standards, a vast knowledge of marine loading applications is needed to safely design a carbon based Vapor Recovery System.

With more than 14 years of experience in the design and supply of Marine Vapor and Gas Recovery Systems; AEREON has the complete knowledge of what is required in these systems to allow quick approval by the USCG or to design a Marine Vapor Control System to the most stringent safety standards.

This knowledge includes the following major components of a Marine Vapor Recovery System:

- Marine Vapor and Gas Recovery Systems (MVRU)
- Vapor Blower System
- Dock Safety Units

Design Features

- Most efficient, cost effective unit on the market.
- Patented energy saving & recovered product measurement devices.
- Patented auto tuned vent & regeneration valves.
- Patented return pump variable frequency drive level control —prevents gasoline spills.
- Complete HMI control of all components & set points.
- Skid mounted system; shipped & installed as 4 major components.

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Principal Applications

- Ship and Barge Loading



Standard Features

- USCG compliant
 - 33 CFR Parts 154, 155, and 156
 - 46 CFR Parts 35 and 39
- All vent valves and regeneration valves are auto timer tuned by the PLC
- All PLC shutdowns are tabularized and stored
- Electrical equipment built to local standards
- variable speed drive absorbent return pump
- Wonderware HMI package

Choose Your VRU

- Dry vacuum pumps
 - Hori – wing style
 - Busch – rotary screw
- 10mg/l, 1mg/l, 0.15mg/l emission limit designs
- Custom built to your specifications
- USCG compliant Dock Safety Skids and Vapor Blower Skids
- Remote monitoring by our service group
- Continuous Emission Monitor (CEM)
- Continuous Inlet Monitor (CIM)
- Remote HMI interface screens
- Custom reports and trending software package
- Various PLC options