

## AAI 54" DOUBLE-LOCK DECOMPRESSION CHAMBER



**Plumbed Chamber**

**54" Inner-lock**  
~ 112 cuft.

**54" Outer-lock**  
~ 63 cuft.



For over 30 years, Aqua-Air has offered our classic design to the Commercial Diving Industry. Our chambers have become an Industry Standard Worldwide.

**Sizes available: 54" – 60" – 72" And Custom Tankage**

### Design Parameters

ASME/PVHO-1-Most current  
ADC Consensus Standards  
OSHA 29 CFR-1910  
USCG 46 CFR-197  
National Board Registration  
ABS Certified  
IMCA Compliant - optional

### Optional Features

- Scott Standard/Overboard Exhaust  
Type O2 Masks
- Bunk Frame
- Non-flammable Mattress
- Caisson gauges
- Chamber Lights
- CO2 Scrubber
- Chamber Heat/Cool Package
- Medical lock with Interlock
- Chamber Heater
- Hyperbaric Fire Extinguisher
- O2/CO2 Analyzers
- Anti-Static Flooring
- Chamber Radio

### Design Parameters

Approximate  
5,500 lbs. (bare)  
6,000 lbs. (plumbed)

### Specifications

- 54" Double Lock, ASME/PVHO-1-2007 Approved & Stamped Pressure Vessel, 135 psi
- Paint – 3 to 5 mils Inorganic Zinc – 5 mils white, water base – inside, white epoxy outside
- Hatches – two 30" I.D. O-ring Sealed Hatches
- Outer Lock, Door Ring, and Forging Ring – 316SS Clad, Double Pivot Hinges
- View Ports – Four 8" I.D. Ports
- Skid – Sturdy I-Beam Skid
- Deck Plates – All Aluminum – Removable
- Sound Powered Phones (3)
- Air Silencers – Inside and Out
- Gauges (2)
- Plumbing – All exterior, All brass, Minimum 250 psi
- Control Panel Cover – All Aluminum, corrosion and maintenance free panel cover for protection
- Penetrators – (23) Stainless Steel ¼" to 1" NPT
- Lifting Eyes (2)
- Equalization Penetrator

### Specifications

Length: 12' 9"  
Width: 64" – with Control Panel Cover  
Height: 72"