

# Product Knowledge Guide

## Hg5 Series of Amalgam Separators

**Market leader in the industry**  
ISO 11143:2008  
Easy to operate

**Hg5 is clear by design** →  
Visually inspect system

No tools necessary  
No daily maintenance  
No decanting

**Easy change out of the collection container** →  
Simple to change either by dental personnel or technician

No additional charge for recycling



← **Flexible design**  
Adjustable for hard-to-fit with right or left orientation

← **Functional for both wet and dry vacuum systems**  
Install before pump on wet vacuum systems  
Install before tank on dry vacuum systems

**Save life of vacuum system:**

- ▶ **Wet Ring Pumps** - By collecting solids and sedimentation, the Hg5 will save on the purchase of pinnacle traps and reduce the wear of the solids passing through the wet ring pumps.
- ▶ **Dry Vacuums** - Reduces sludge build up in the air-water separator tank of a dry vacuum system. Less time and money spent on maintenance and repair to the vacuum system.

## Key Points

- ▶ **Better for the environment**  
Removes approximately 4,400 lbs of mercury from waste streams every year while also saving approximately 130 billion gallons of water
- ▶ **Eco-friendly packaging, 100% recyclable**
- ▶ **Extends the life of the vacuum system**  
Prevents particulates from passing through the wet vacuum pump, protecting the pump from unnecessary wear and tear and potential repair costs

- ▶ **Easy mail-back recycling program**  
Shipping and recycling included in cost
- ▶ **No contracts or hidden fees**
- ▶ **Certificates of Compliance**  
Available on our website 24/7
- ▶ **Certification: ISO 11143:2008**

# Hg5 Maintenance

## Troubleshoot Hg5 Systems

**Problem:** Solids reach full line of collection container.

**Solution:** Change the collection container.  
▶ Leave the vacuum running during process.

**Problem:** Solids above full line of collection container.

**Solution:** Change the collection container.  
▶ Inspect the top chamber for solids.

**Problem:** Top chamber has some solids.

**Solution:** System is backed up - will potentially damage vacuum.  
▶ Turn on vacuum  
▶ Remove pins  
▶ Tilt container towards manifold to allow air into top chamber  
▶ Place container back on and insert pins  
▶ Change collection container if full

**Problem:** Top chamber is full with solids.

**Solution:** System is in bypass.  
▶ Reduction in suction  
▶ Solids released into waste stream and environment  
▶ Top chamber needs to be replaced  
▶ Full top chamber needs to be recycled  
▶ New EPA Regulation requires repair or replacement within 10 days of malfunction

**Problem:** Top chamber has some solids - container not full.  
**Check what type of line cleaner is being used.**  
**The pH must be between 6 & 8 (MA 6.5 & 8).**

**Solution:** Clogs in top chamber.  
▶ Turn on vacuum  
▶ Remove pins  
▶ Tilt container towards manifold to allow air into top chamber  
▶ Place container back on and insert pins

**Problem:** The equipment/utility room has poor lighting.

**Solution:** Bring a flashlight to check the container.  
▶ Using a flashlight from the backside of the system and shining it forward will help determine the level of sedimentation.  
▶ Also can be used to inspect the top chamber using the same procedure.

