

# Hg System Assembly and Testing Status

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**MERIT VRVS Meeting**

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# Hg Drain & Spill Ports Completed



**Hg drain from cylinder**



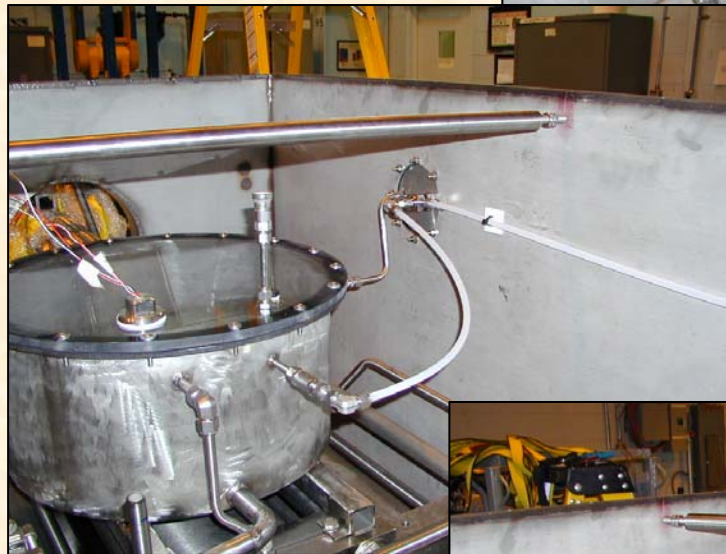
**Hg spill extraction port**



**Hg leak sump with float switch**

# Local Hg Vapor Filters

- Hg cylinder bellows and sump tank vents have been plumbed to local filters
- Filter exits will be plumbed to Airfiltronix filters on secondary box lid
- Local filters will have to be changed during CERN installation



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# Hydraulic Hose Issue

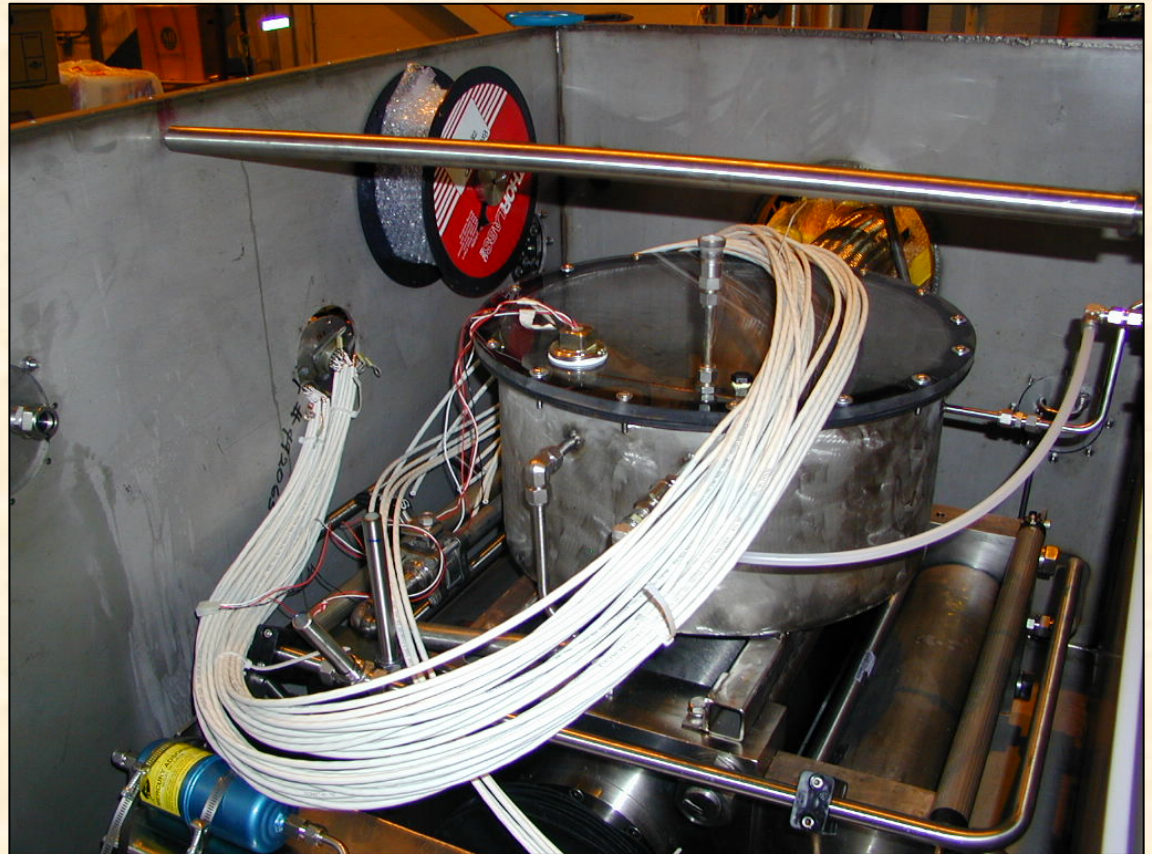
- **Flexible hoses provided by AHC with syringe**
  - Length estimated without having secondary box
  - As supplied, the hoses are too long
- **Initial fix was to shorten hoses, but discovered hoses are only rated for 2250 psi, not the required 3000**
- **In process of replacing flex hoses with rigid tubing**



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# Secondary Box Wiring Started

- Bulkhead connectors in place
- Wire bundles provided by Princeton (using halogen-free cables from CERN)
- Layout and final sensor & RTD wiring underway





## Current Status / Next Steps

- **Complete wiring inside secondary containment**
- **Reattach dummy nozzle and operate system with water**
  - Need to verify correct operation with real wiring in place
- **Develop system fill and drain procedures using water**
- **Perform "insert target snout into magnet bore" test**