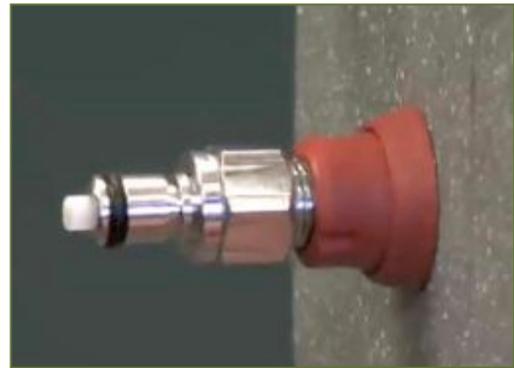


Rapid Sampling Tools

Sampling gases, liquids, or flowable powders from inside a container without opening the container, or becoming exposed to its contents.

Purpose

- a field tool that can sample from many different kinds of containers in seconds, with zero release of contents
- small, light-weight, inexpensive, easy to use
- works with any battery-powered hand drill
- can sample gas, liquid, or free-flowing powders
- for containers up to 0.5" wall thickness & 8 atm pressure



Applications

- ✓ firefighters
- ✓ hazmat response
- ✓ counter-terrorism
- ✓ nuclear safeguards
- ✓ customs inspection
- ✓ waste management
- ✓ drug & environmental raids
- ✓ industrial process monitoring
- ✓ verifying the contents of labeled containers
- ✓ identifying the contents of unlabeled containers
- ✓ venting, flushing, monitoring, & transferring liquids
- ✓ archiving samples prior to incineration or shipment

Other Notes

- Covered by 3 U.S. patents.
- Currently in use by U.S. Special Forces and U.S. Border Control.
- Can be made covert.
- It takes < 15 seconds to sample from a 55-gallon drum.
- If the tool is left in the container wall, additional samples can be taken many months later.