

AARDVARK

Lightweight CW Access System

The Aardvark system offers an easy to use, safe way to investigate & dispose of CW hazards, in sealed containers and munitions.

Safety:

The Aardvark system puts operator safety first and foremost.

- Can handle elevated target pressures
- Seal testing prior to drilling to minimise risk
- System stays sealed through all operations

Simple:

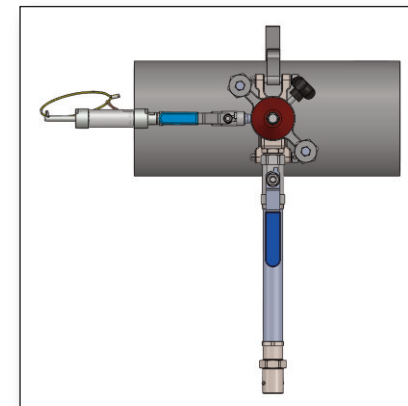
CB operations are complex enough without having to think about the equipment.

- Very lightweight - easy to carry & set up in PPE
- Uses standard battery tools for operation
- Training can be completed in less than an hour

Versatile:

Sample and empty the target through the same penetration.

- Can access a large range of target sizes
- Agnostic - can integrate with multiple CW pumps, destruction or storage systems.



Lightweight - 0.85kg

- Wall thickness up to 14mm
- Fits most standard battery drills

Sampling port:

- Physical sampling
- Sealed syringe
- Raman compatible

Sealed base-plate:

- Seal test prior to drilling
- Target pressures up to 150psi

Simple to use attachment mechanism:

- Tgt diameters: 120 to 880mm
- Quick to set up and install

Emptying port:

- Flow rate of up to 15 l/min
- Agnostic connection end



World leader in the development and manufacture of invasive technology

Drilling Chemical Weapons for a living since 2000...

Valent is the world leader in the development and deployment of invasive technology for the investigation and disposal of wide range of targets in the CBRN, Hazmat and decommissioning environments. Our experience is built on nearly two decades of inventing, manufacturing, supplying and training some of the leading organisations involved in the investigation and removal of hazardous materials. Invasive technology offers the ability to drill through the outer wall of a target without allowing the hazardous internal contents to escape. The technology allows for investigative and disposal procedures to be carried out whilst preventing any leakage.

Valent first developed equipment in this area in 2000. Since then our systems have been used by the military globally and with international organisations such as OPCW, UNMOVIC and UNOPS in the investigation and disposal of CW hazards. In addition Valent has developed bespoke solutions for other organisations for hazmat and toxic industrial chemical (TIC) operations.

Valent is also very experienced in the integration of its equipment in systems for defence and civilian markets. Projects have included remote access systems for civil nuclear decommissioning; disposing of missile fuel systems and working with industry partners to solve to hazardous challenges worldwide. Over 60% of Valent's work in R&D, creating bespoke engineering solution. Although only a small company we are experienced in the execution of innovative projects from concept, through to field deployment and operator training.

Our work has been recognised with a number of awards including the Queens Award for Innovation in 2006 and the UK HMG Chief Scientific Advisers Award for exceptional service in 2016.

Valent Applications Current Invasive Systems

Monica Remote Case Entry System. Flagship system, field proven with extensive capabilities for the sampling and neutralisation of CBRN threats

Remote Ops: up to 500m	Tgt size - 90mm Ø to flat
Wall thickness - up to 20mm	Max pressure - 100psi
Max empty rate - 15l/min	System Weight - 40kg

Mamba Remote Case Entry System. Lightweight, modular stand-off system for sampling, emptying and neutralising CBRN threats

Remote Ops: up to 20m	Tgt size - 120mm to 880mm diameter
Wall thickness - up to 16mm	Max pressure - 150psi
Max empty rate - 5l/min	System Weight - under 5kg

Aardvark Case Entry System. Simple system designed to fit in a standard rucksack but still offer sampling and emptying capability

Remote Ops: None	Tgt size - 120mm to 880mm diameter
Wall thickness - up to 14mm	Max pressure - 150psi
Max empty rate - 15l/min	

Midas Sampling System. Hand held tool for the sampling of hazardous containers

Remote Ops: None	Tgt size - 90mm Ø to flat
Wall thickness - up to 8mm	Max pressure - 30 psi
Max empty rate - N/A	

