

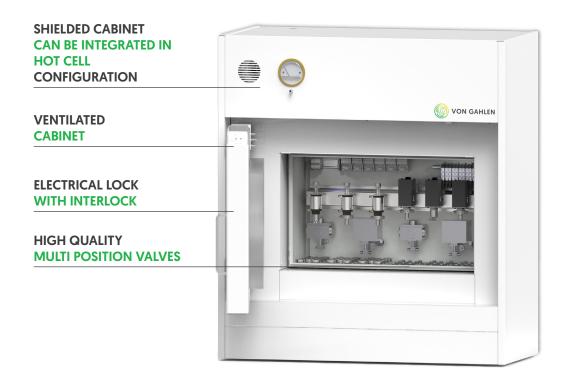
ACTIVITY DISTRIBUTION SYSTEM

The activity distribution system is designed for the safe distribution of radioactive fluids and gasses from cyclotron to hot cells, making use of multi position valves. The ADS is operated remotely through the use of touch screens. The operator logs into the system and selects the route, from cyclotron to a (specific) hot cell. After submitting the route, the door of the destination hot cell will be interlocked to ensure a safe transfer. After the target content is transferred, the ADS system will confirm delivery has been successful.

() Model VG-ADS

KEY FEATURES

- Easy to operate via Human Machine Interface (HMI)
- Cyclotron status can be displayed on HMI
- High quality multi position valves
- Valves up to 12 positions with waste and home position
- Maximum of 6 multi position valves
- Liquid- and gas target handling
- Exterior smooth finish easy to decontaminate
- Electrically locked and interlocked shielded door
- Easy target line connection through airtight connections
- Airtight enclosure
- Remote access service (EWON)
- Stand alone and fully integrated versions
- Shielded or unshielded (for bunker installation)
- Smaller of the shelve system with two valves as one piece installation available as well
- Seperately ventilated
- Could also be used to direct your synthesized product to a specific dispencing cell

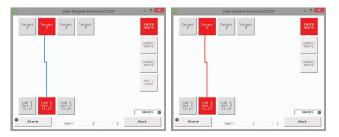


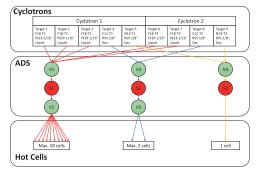


YOUR GUARANTEE FOR QUALITY. FOR SURE.

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TECHNICAL DATA

- Seperately ventilated airtight box
- Air inlet is fitted with a HEPA filter
- Cabinet 75 mm lead shielding in all directions
- Shielded cabinet for 2 multi position valves:
 - Internal dimensions ± 600*210*380 mm (W*D*H) .
 - . External dimensions ± 850*300*500 mm (W*D*H)
 - Total weight: ± 1750 kg .
- Shielded cabinet for 6 multi position valves:
 - Internal dimensions: ± 1030*495*1200 mm (W*D*H) .
 - External dimensions: ± 1280*585*1400 mm (W*D*H) .
 - Total weight: ± 2700 kg .
- Analogue pressure gauge .
- Separate electrical cabinet
- Liquid target lines feed through using corrugated guide . tubes
- Smooth exterior finish, color traffic white (RAL 9016) .

SOFTWARE

- User friendly, intuitive interface .
- Different user languages available .
- A failure mode and effect analysis is performed on the . system
- Implementation of software and firmware are conform . SDLC (software development life cycle)

OPTIONS

- Multi position valves with up to 12 configurable positions
- Pneumatically or electrically actuated multi position valves
- Unshielded cabinet
- Uninterruptible power supply (UPS)
- Manual valve controller for maintenance
- Safety valve(s)
- Ion chamber (further modifications may apply)
- Activity sensor with door interlock
- Additional external 10 inch touch screen(s)
- Liquid waste bottle
- Additionally safety shutdown valve
- Integrated control with hot cell



MORE INFO? Please contact sales@vongahlen.com Or visit



www.vongahlen.com