

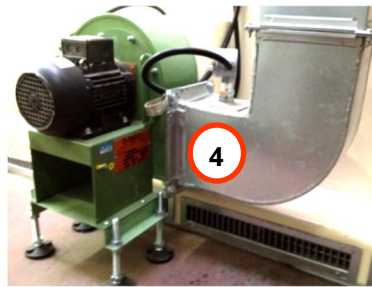
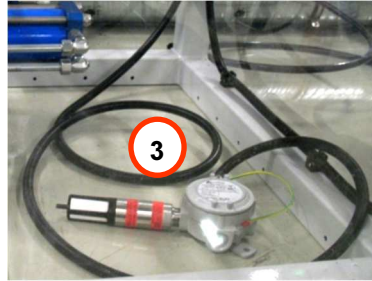


The **VTech SAFE-HC** equipment package ensures safety in flammable refrigerant production areas (e.g. R290, R32, R600). It is composed of a Remote Control Board (RCB) supervising one or multiple gas sensors as well as exhaust fans and the VTech MRC-HC charging system, which are all located inside a safety area. The RCB uses IR sensors to monitor gas concentration in the production area and controls the exhaust fans speed in order to keep gas concentration below dangerous levels. However, should gas concentration reach 35% of the Lower Explosion Level (LEL), the RCB activates the alarm function which includes shutting-down power to the production equipment located in the safety area, until safe conditions are restored. VTech SAFE-HC can be integrated with plant-wide safety systems for round-the-clock supervision of the production area.

MAIN FEATURES:

- **Turnkey:** One complete package ensuring safety and regulatory compliance
- **Flexible:** Safety package composition is dependent upon local safety regulations
- **Reliable:** Infrared sensor technology
- **Class I, Div II compliant design** makes installation and approval by local authorities easier and less costly

Safety Package Components



1. Remote Control Board
2. 3-color stack light
3. Gas Sensor
4. Exhaust Fan with Flow Sensor

Equipment Selection Guide

VTech's SAFE-HC is custom engineered for each specific production lay-out. This may include custom designed safety enclosures that are built utilizing local approved contractors. Although it uses standard components, the number of gas sensors as well as the size and number of exhaust fans are calculated in accordance to the safety area lay-out and the number of production equipment installed. Upon request VTech is available to provide risk assessment consulting in collaboration with German TÜV or other entities.

