



## VTECH INTRODUCES ZERO-GAS-RELEASE INJECTOR

VTech's **ZERO-GAS-RELEASE** injector eliminates any refrigerant release upon disconnection, ensuring safe working conditions as well as limiting the environmental impact of green-house emissions.

The familiar “puff” is caused by the refrigerant gas trapped between the quick couplers connecting the charging machine to the refrigeration or A/C unit being processed. It is a particularly sensitive topic when using flammable refrigerants such as R290, R32 or R600 for their safety implications in the production area.

Another safety feature of VTech's **ZERO-GAS-RELEASE** injector is its pneumatic coupler, effectively preventing accidental disconnection of the filler during the charging cycle. At the end of the cycle, the pneumatic coupler automatically disconnects from the unit under process and the machine is ready to charge the next product.

Questions? Contact VTech at 1-844-BUY-VTEC (289-8832) or [g.purkis@vtechonline.com](mailto:g.purkis@vtechonline.com)

**VTech** COOL INNOVATION **VTECH SAFE-HC** SAFETY SYSTEM FOR FLAMMABLE REFRIGERANTS

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 MFC-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 your safety requirements
- Reliable: Infrared sensor technology
- ATEX design: makes installation and approval by local authorities easier and less costly

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VTech also provides turn-key equipment solutions for flammable refrigerant charging. Our **SAFE-HC** brochure explains in further detail the safety systems that are typically used for flammable refrigerant charging. However, each country has its own regulations and standards and we adapt our systems to local requirements.

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