



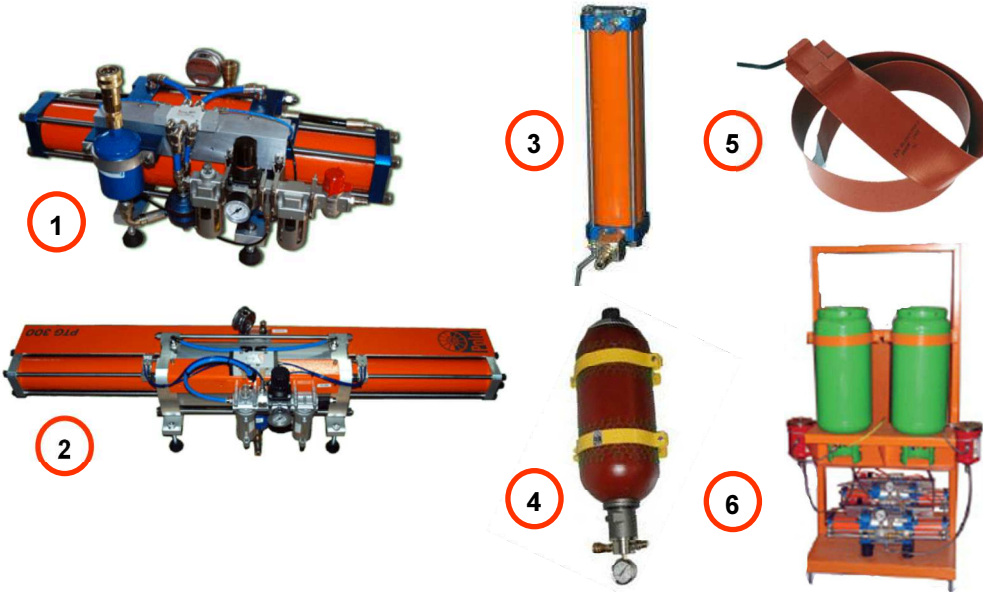
VTech's selection of **Refrigerant Supply Systems** for charging machines range from basic heater belts and tank supports for small tanks to plant-wide bulk refrigerant supply systems for one ton cylinders.

The principle is essentially the same; elevate the pressure so that the refrigerant is in a liquid state for precise metering and maintain that pressure despite inherent fluctuations caused by mechanical and environmental factors.

INNOVATIVE FEATURES:

- **Modular:** small footprint reduces required space so it can be installed virtually anywhere
- **Essential:** proper refrigerant supply pressure is paramount for charging accuracy
- **Pneumatically-operated:** can be used for both flammable and non-flammable refrigerants

Product Selection



1. PTG100 Refrigerant Transfer Pump
2. PTG300 Refrigerant Transfer Pump
3. Piston Accumulator
4. Bladder Accumulator
5. Heater Belt
6. VTech PTGA

Product Selection Guide

To determine the ideal refrigerant supply system, the size of the refrigerant tank(s) as well as the distance between the tank and the refrigerant charging machine, are considered. Small tanks in the size of 40-60 kg can be installed directly on the back of the charging machine with a simple heater belt, while larger 1/2 ton and 1 ton tanks require a mechanical pumping system and refrigerant accumulator(s), whose quantity and size are based on the distance of the tank from the charging machine and the required amount of refrigerant based on production levels.

The **PTG100** can supply one charging system while the **PTG300** is capable of supporting up to 3 machines. The **PTGA** is an automatic tank exchange system so when one tank becomes empty, another is automatically instated. Manual or Electrical loading features are available.

Product Specifications

Refrigerants	HFC, HCFC, HC
Transfer Pump Max Pressure	37 bar
PTG100 Swept Volume	503 x 2 cm ³
PTG300 Swept Volume	1,610 x 2 cm ³
Transfer Pump Compression Ratio	1 : 3.85
Transfer Pump Compressed Air Requirement	7 bar
Accumulator Sizes	2 to 25 liters



Heated Refrigerant Supply with Tank Support