

TECHNICAL DATA SHEET

HECAPO PRO Charging Hoses with Two-Step Valve

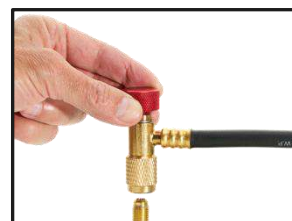
HECAPO PRO Charging Hoses are designed for professional charging, discharging, vacuum and maintenance work in air-conditioning and refrigeration installations. They feature a two-step safety valve, a 360° swivel system and SAE connections to enable precise, safe handling with a lower risk of refrigerant loss during service operations.



**1/4" and 5/16"
Connections**



Three two-step valves



Handle operation

1. Product identification

Reference	Description	SAE Connections	Length
4643914140	PRO charging hose	1/4" x 1/4" SAE	1.500 mm
4643914516	PRO charging hose	1/4" x 5/16" SAE	1.500 mm
4643951656	PRO charging hose	5/16" x 5/16" SAE	1.500 mm

2. Technical description

Professional hose for servicing refrigeration circuits and HVAC/R systems, manufactured to provide mechanical resistance, low permeability to refrigerant gases and flow control during service operations. Its design allows safer work during charging and recovery operations, reducing direct operator exposure to refrigerant and minimizing accidental gas losses.

3. Main features

- Working pressure: up to 800 PSI / 55 bar.
- Maximum burst pressure: up to 4,000 PSI / 275 bar.
- SAE connections available in 1/4" and 5/16".
- Hose length: 1,500 mm.
- Two-step opening and closing valve for progressive refrigerant flow control.
- 360° swivel system that facilitates manoeuvrability once the connection is screwed onto the equipment.
- Mobile depressor to actuate the Schrader valve using the hose's rotary handle.
- Triple crimping at both ends to reinforce the connection and reduce the risk of leaks.
- Colour-coded ends to differentiate work functions: low pressure, high pressure and service.

4. Recommended applications

- Domestic, commercial and industrial air-conditioning installations.
- Industrial and commercial refrigeration systems.
- Refrigerant charging and discharging work.
- Vacuum, recovery and technical maintenance operations.
- Service operations on equipment requiring 1/4" or 5/16" SAE connections.

5. Refrigerant compatibility

Suitable for work with refrigerant gases commonly used in air-conditioning and refrigeration, including A1, A2, A2L and A3 gases. Before use, always check the

compatibility of the refrigerant, the system working pressure and the equipment manufacturer's specifications.

6. Functional advantages

- Greater control during charging and discharging thanks to the two-step valve.
- Reduced refrigerant losses during hose handling.
- Improved operator safety by keeping fingers away from possible accidental gas discharge points.
- Better manoeuvrability after connection thanks to the 360° swivel system.
- Robust and reliable connection through reinforced crimping at the ends.
- Greater durability for intensive professional use.

7. Use and safety recommendations

- Check the condition of the hose, fittings, seals and valves before each service operation.
- Do not use the hose if it shows cracks, deformation, cuts, visible wear or leaks.
- Avoid forced twisting, crushing or contact with sharp edges.
- Carry out operations using appropriate protective equipment and following the technical procedures for handling refrigerants.
- Do not exceed the maximum pressures specified for the product.
- Purge the circuit correctly according to the work procedure to prevent air or moisture from entering.

8. Additional information

Product demonstration video: <https://www.youtube.com/watch?v=I2UJMR-sdT4>.