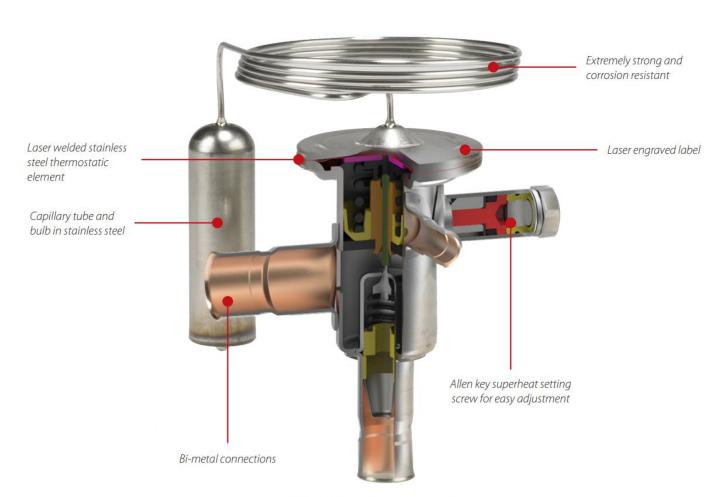
VALVOLA DI ESPANSIONE PER GAS

https://theengineeringmindset.com/how-electronic-expansion-valves-work/

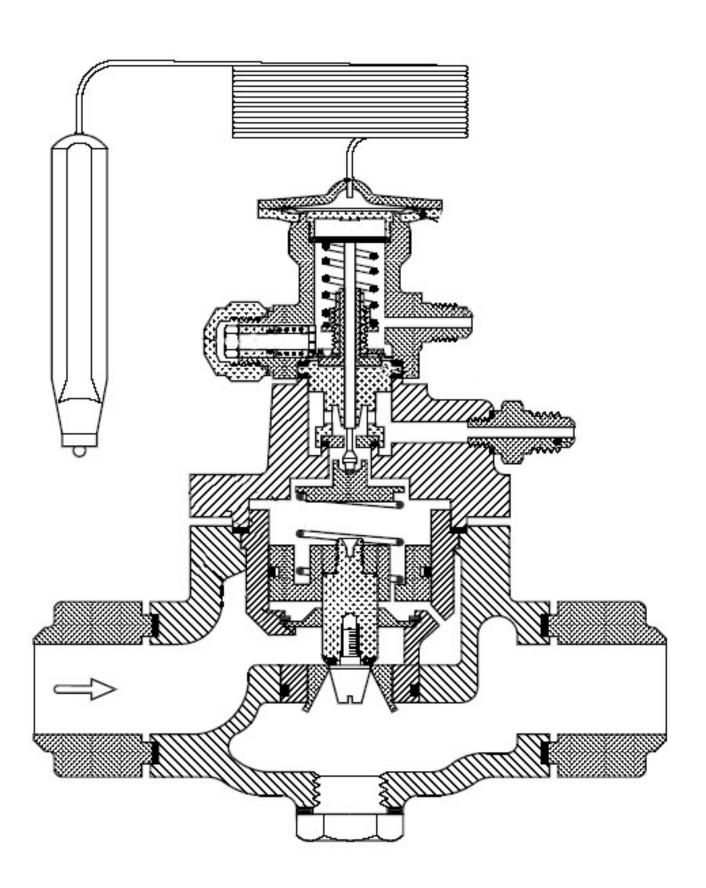
https://www.youtube.com/watch?v=P80iNMbOOLw

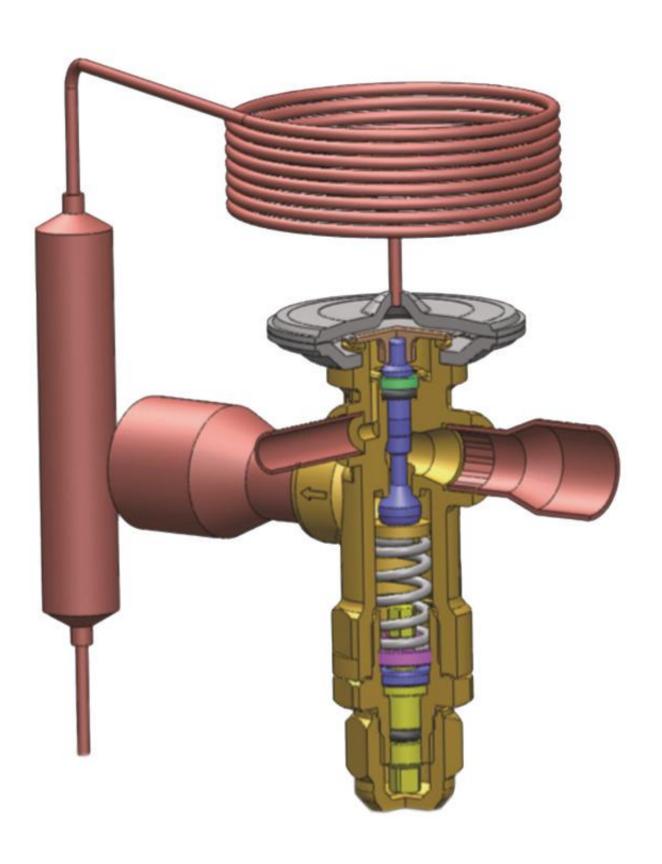
https://www.youtube.com/watch?v=HqH1MSWakgo

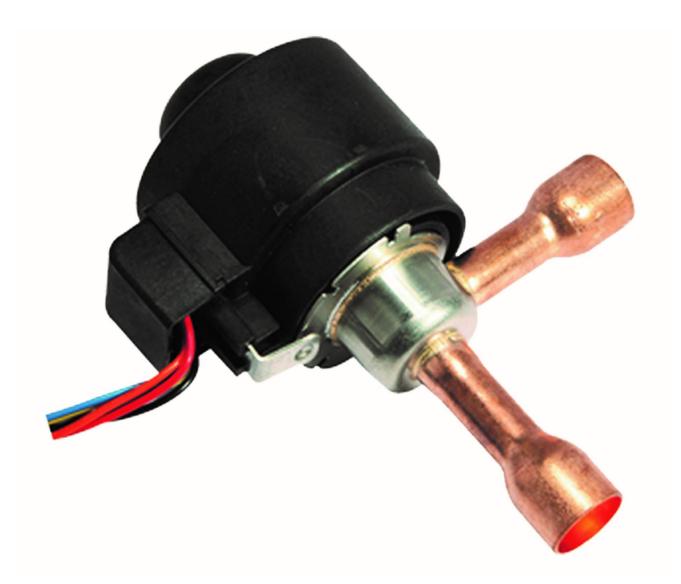


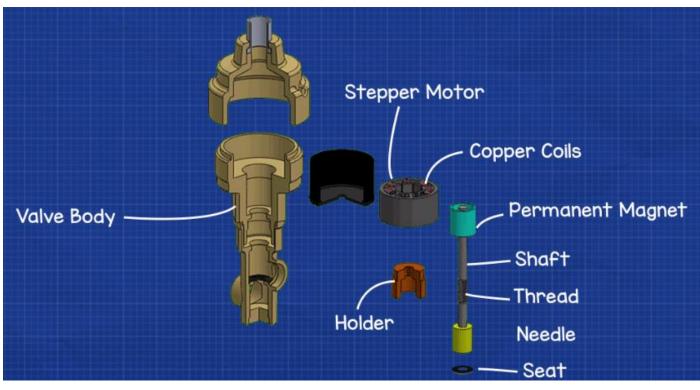


TUBE Thermostatic Expansion Valve



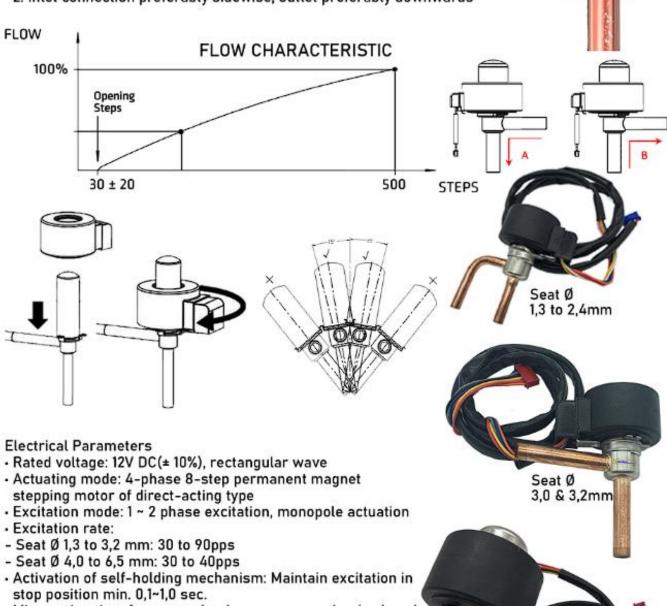






Genera l Specificat ions

- Applicable for all common HCFC & HFC refrigerants such as: R22, R134a, R404A, R407C, R410A, R507A.
- Cooling capacity: 3,5 to 105 kW (R22 nominal capacity)
- 500 steps (full stroke); 32 ± 20 opening steps
- Medium temperature min./max.: -30°C /+70°C (duty cycle rate below 50%)
- Ambient temperature min./max.: -30°C / +60°C (duty cycle rate below 50%)
- · Relative humidity: : 0 to 95% RH
- · Installation position:
- Coil installe d in the upwards position, valve rotor central axis within ±15° versus vertical axis
- 2. Inlet connection preferably sidewise, outlet preferably downwards



SeatØ 4,0 to 6,5 mm

- · Min. motion time from completely open to completely closed:
- Seat Ø 1,3 to 3,2 mm: 6s @ 90pps
- Seat Ø 4,0 to 6,5 mm: 13s @ 40pps
- · Coil current:
- Seat Ø 1,3 to 3,2 mm: 260mA/phase (20°C)
- Seat Ø 4,0 to 6,5 mm: 375mA/phase (20°C)
- Coil resistance:
- Seat Ø 1,3 to 3,2 mm: 46 ± 3.7 Ω/phase (20°C)
- Seat Ø 4,0 to 6,5 mm: 32 ± 3.2 Ω/phase (20°C)
- · Insulation class of coil: E
- · Protection class: IP 66