Valve: solenoids- 300 psi, 5V

* Requirements
  + Voltage it runs on, material compatible with R134a
  + Price range
  + Mass flow rate (ask for requirement range)
    - From PRP605, experimental mass flow rate is 0.000563 kg/s with 0 thruster, with 5 thrusters, mass flow rate is 0.000328 kg/s
    - From PRP730, Minimum Mass Flow of 0.029 g/s (atmospheric) or 0.075 g/s (vacuum)
  + Size of valve respect to the pipe
* Regulator affected by liquid? Nothing mentioned on docs
* Trade study
* Research on the FOS (factor of safety) for the pressure
  + from PRP107 the fos is 1.5
* Size of the pipe connection (PRP107 for tank specs)
* Pressure:
  + 333psi (according to Collins, need verified)
  + From PRP107, tank held at 70\*C is 307.22 psi (need verify why 70\*C)
  + PRP107 goes into some details on the R-314a will be in mixture form inside the tank, with quality x = 0.00003928
  + From PRP107 the ceiling pressure is 333 psia. “The hand calculations performed confirm that the EES program is functioning correctly and that with 2.49 kg the pressure in the tank should never exceed 333.33 psia”
  + Inlet pressure 12.5 psi max (After regulator) (PRP730)