

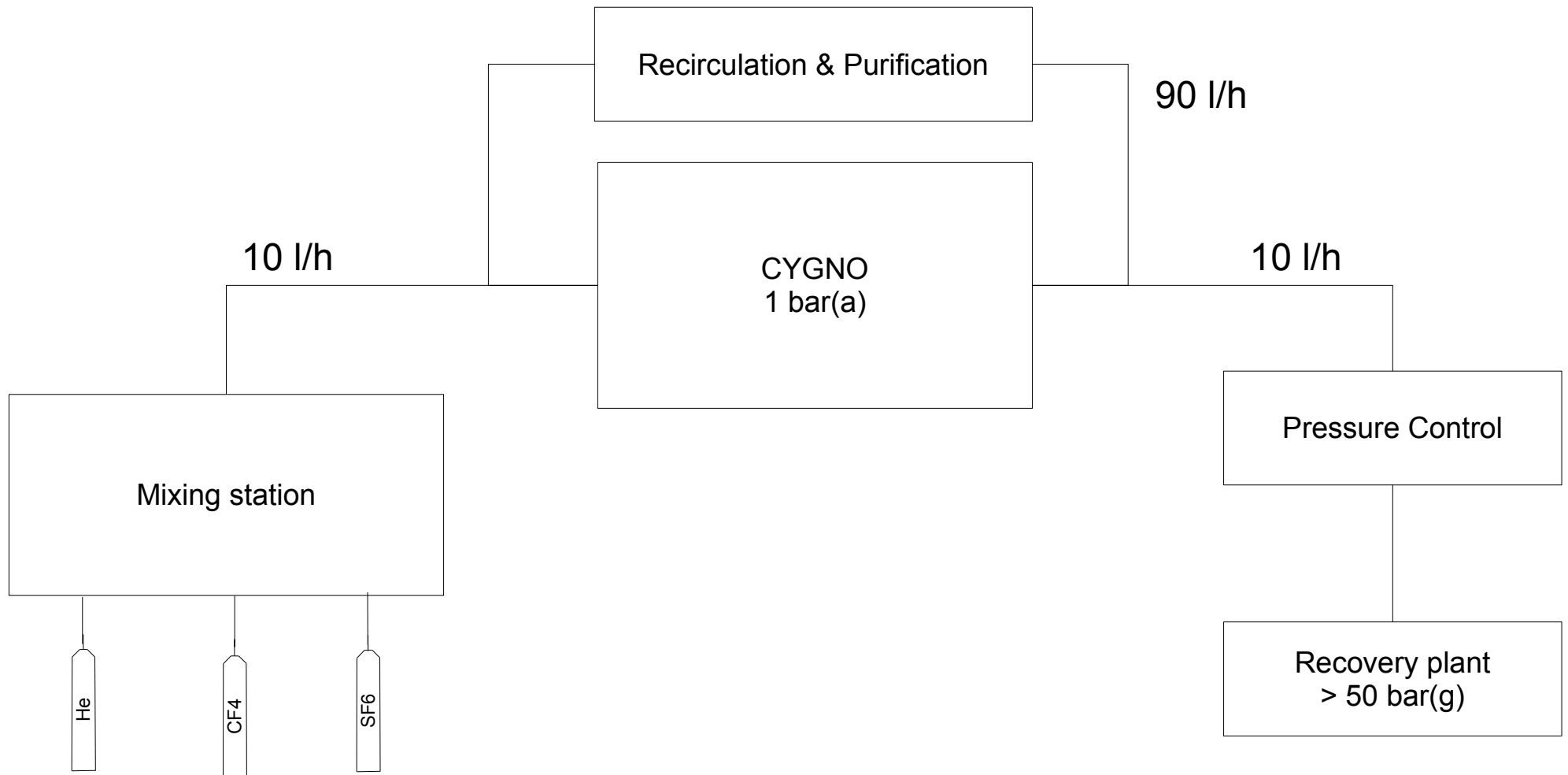
CYGNO Gas System Proposal

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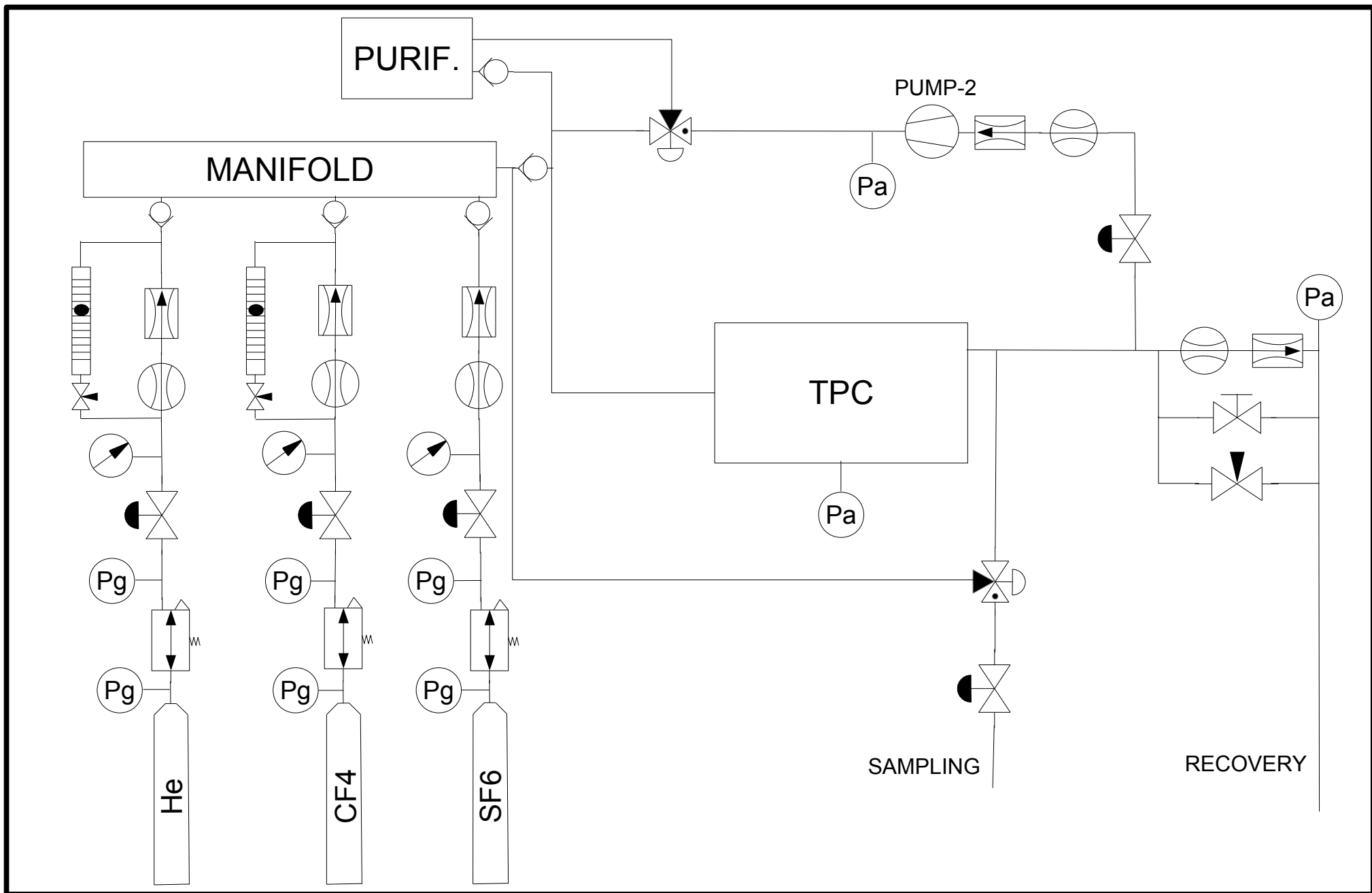
Specifications (a working hypothesis)

- Volume = 1 m³ @ 1 bar(a)
- Gas flow = 100 sl/h (1 volume change/10h) of which
 - fresh gas = 10 sl/h (10%)
 - recirculation + purification = 90 sl/h
- CF₄ consumption = 4 sl/h = 130 kg/year
- Gas recovery into a gas cylinder (50 liter @ > 50 bar)
 - > 10 days per cylinder fill

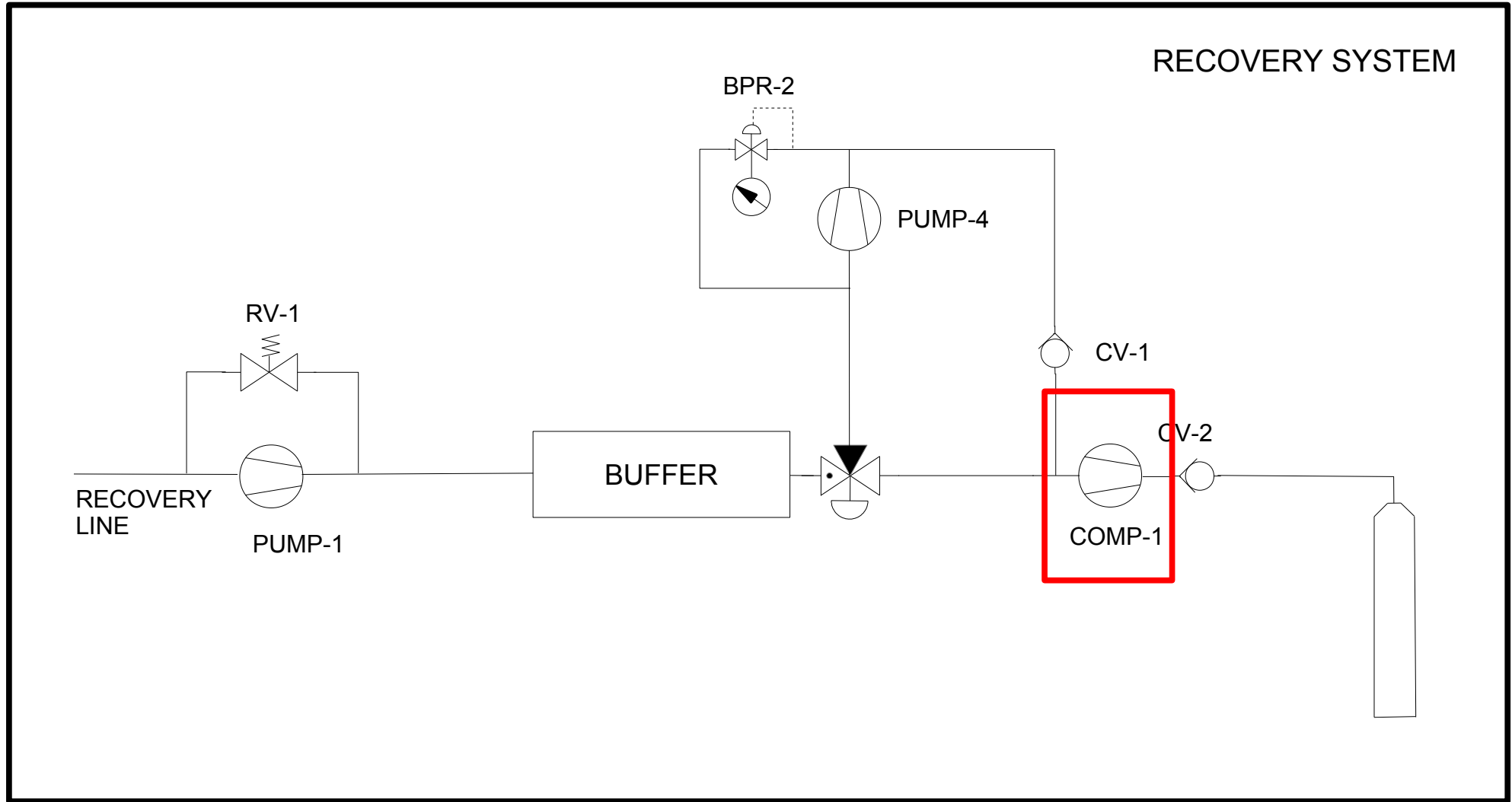
Conceptual design



Technical Design: a First Draft



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Items for discussion

- Purification:
 - what kind of work can be considered as already completed?
 - what needs to be done to reach the required (radio-)purity levels?
 - who can take care of this?
- Any other suggestion about the circulation system is welcome