## Kesler Iso

NOTE 1 : for separating the water from the feed to a we use an inert gas that strips the water

NOTE 2 : the input flowrate is controlled therefore we don't need owever th sensors of temperature and pressure will d

NOTE 3: we have a controller for the output of the co-electrolyser be production which might affect our unit seperations we want to lower t

NOTE 4: the pressure control valve is applied to bot

NOTE 5: we don't use a temperature controller because we control the v that is mixed with the hydrocarbons coming from the hydrocracking, using pressure

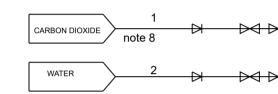
NOTE 6 : we use a 3 way valve in order to separate gasses and liquids as most streams at the calculated operating conditions,

this is so that the gasses are directed towards the compressor and the liquids

NOTE 7: the temperature controller checks the temperature in the re in order to control the flow of cooling water required

NOTE 8: the number on the streams correspond to the one in the stream

NOTE 9: the T: n indicates the tray from which the stream comes out



HYDROGEN

## Equipment list

Co-electrolyser: CR-001 Fluidized Bed Reactor: FBR-001 Fractional Distillation Column: FCC-001

Cracking Unit: CU-001

Reboiler: RB-001

Compressor: C-001A C-001B C-002A C-002B C-003A C-003B C-004A C-004B

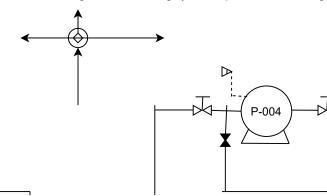
Pumps: P-001A P-001B P-002A P-002B P-003A P-003B

Reflux Drum: RD-001

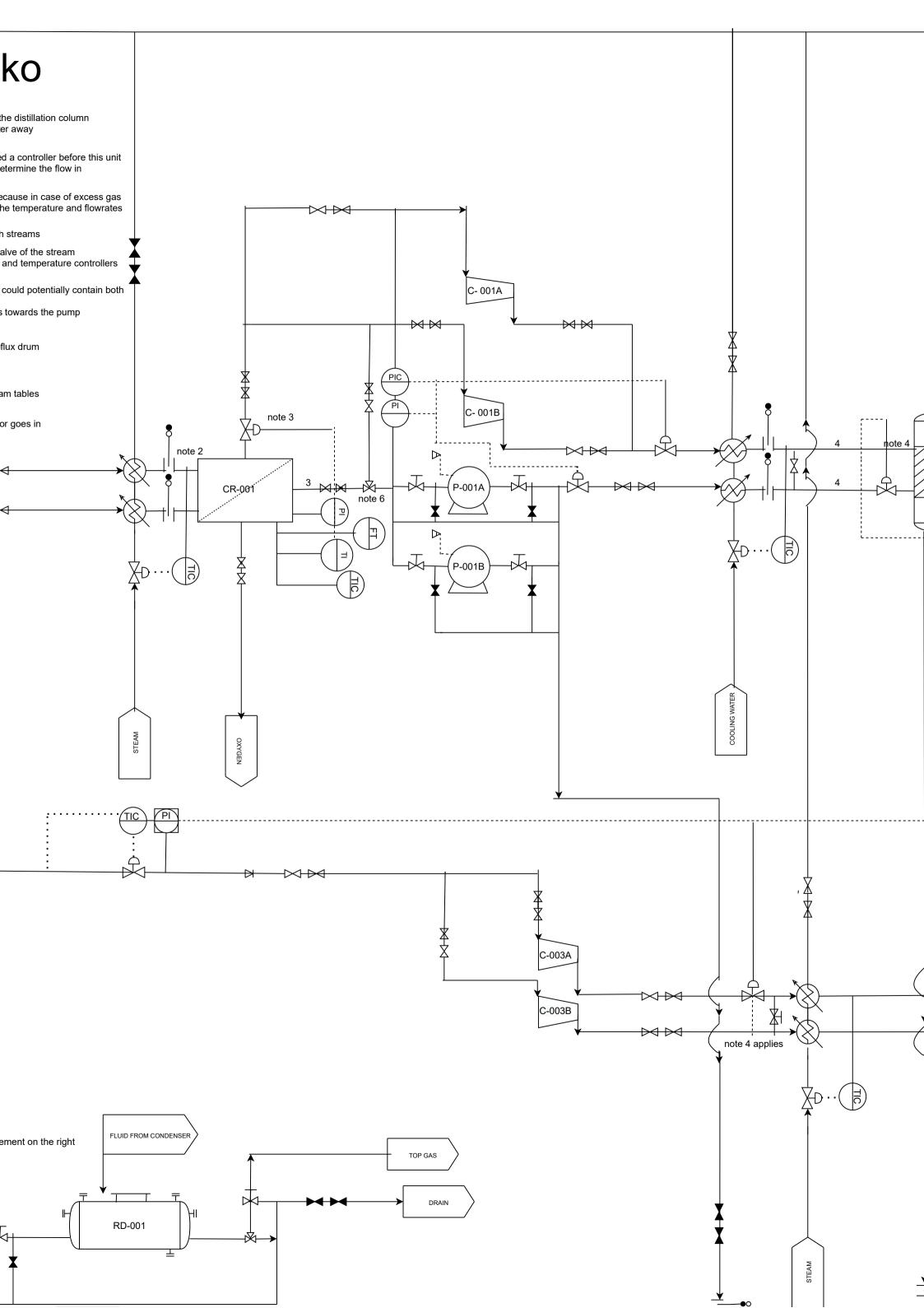
Packed Bed Unit Separation: STR-001

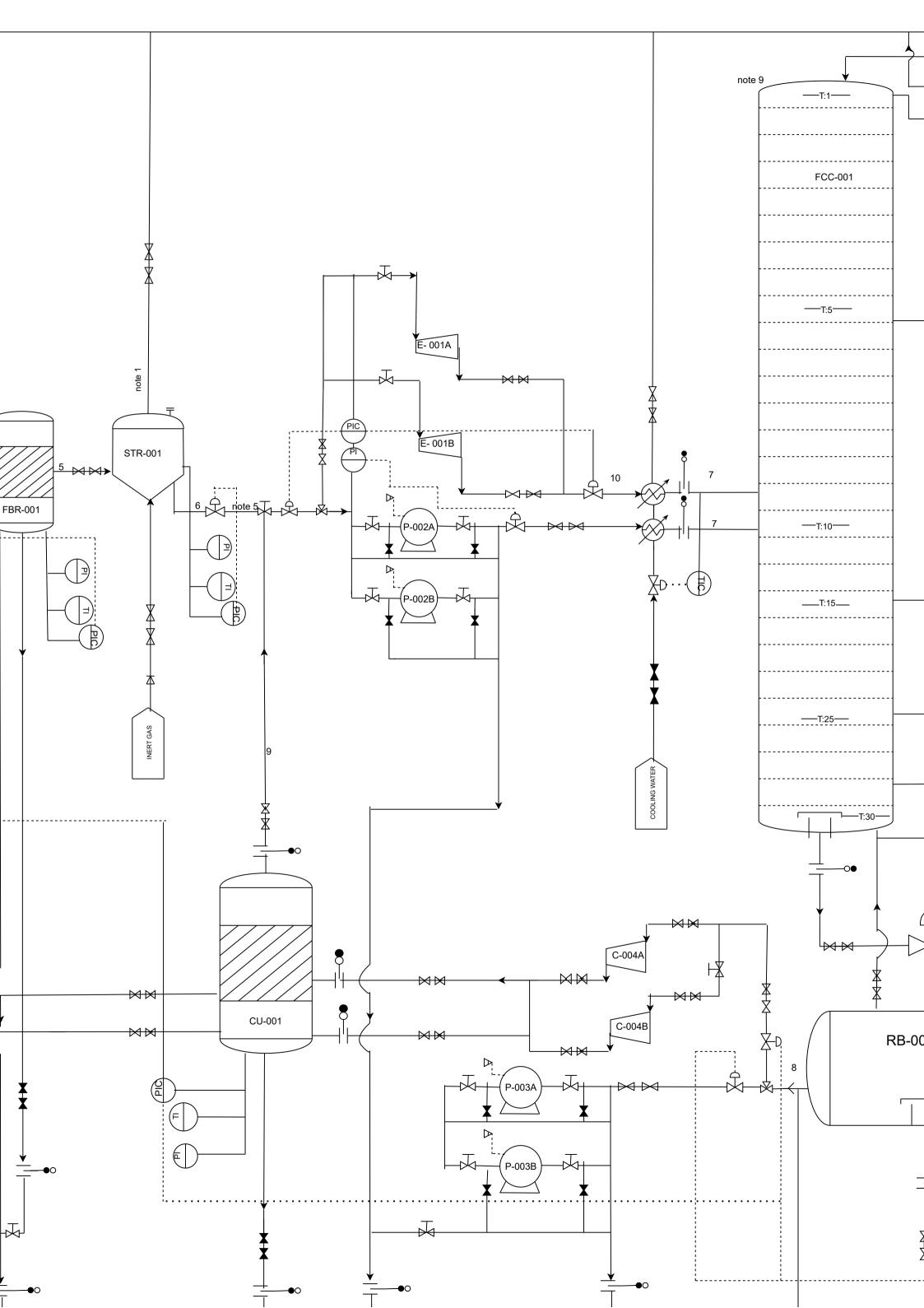
Expander: E-001A E-001B

one the diagram the following symbol represents the arrang-

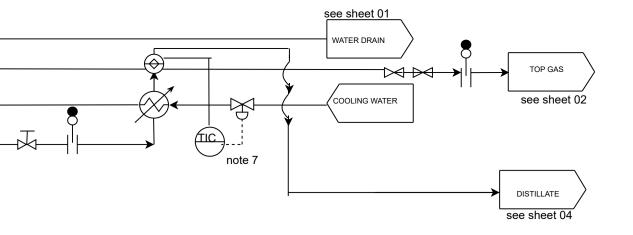


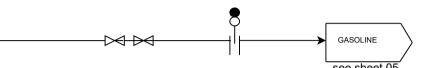
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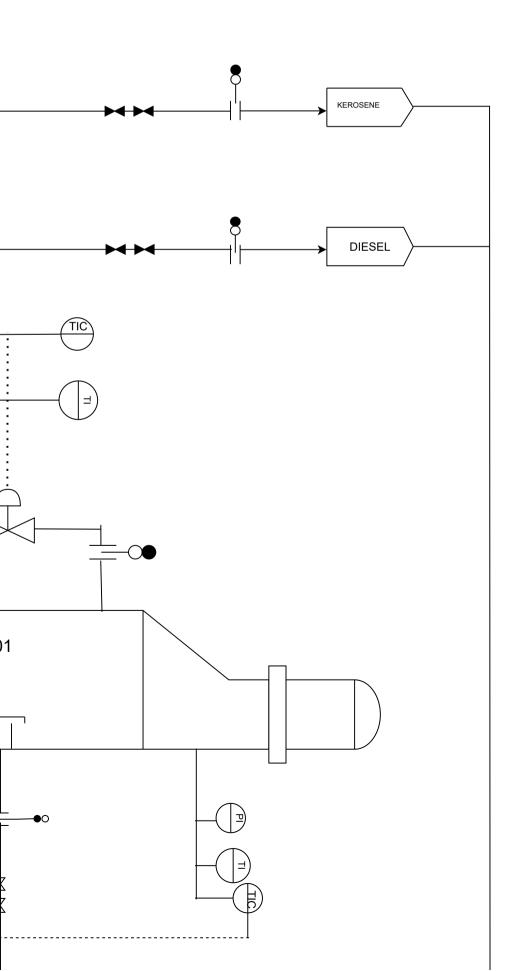




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