Since 1985

Distillation Plant with Glass Lined Reactor

For production scale chemical synthesis , distillation , solvent recovery , rectification processes, Glass Shell & Tube Condensers are used along with Glass Lined Reactors. Complete process piping is also made of borosilicate glass 3.3 These plants usually operate under vacuum.

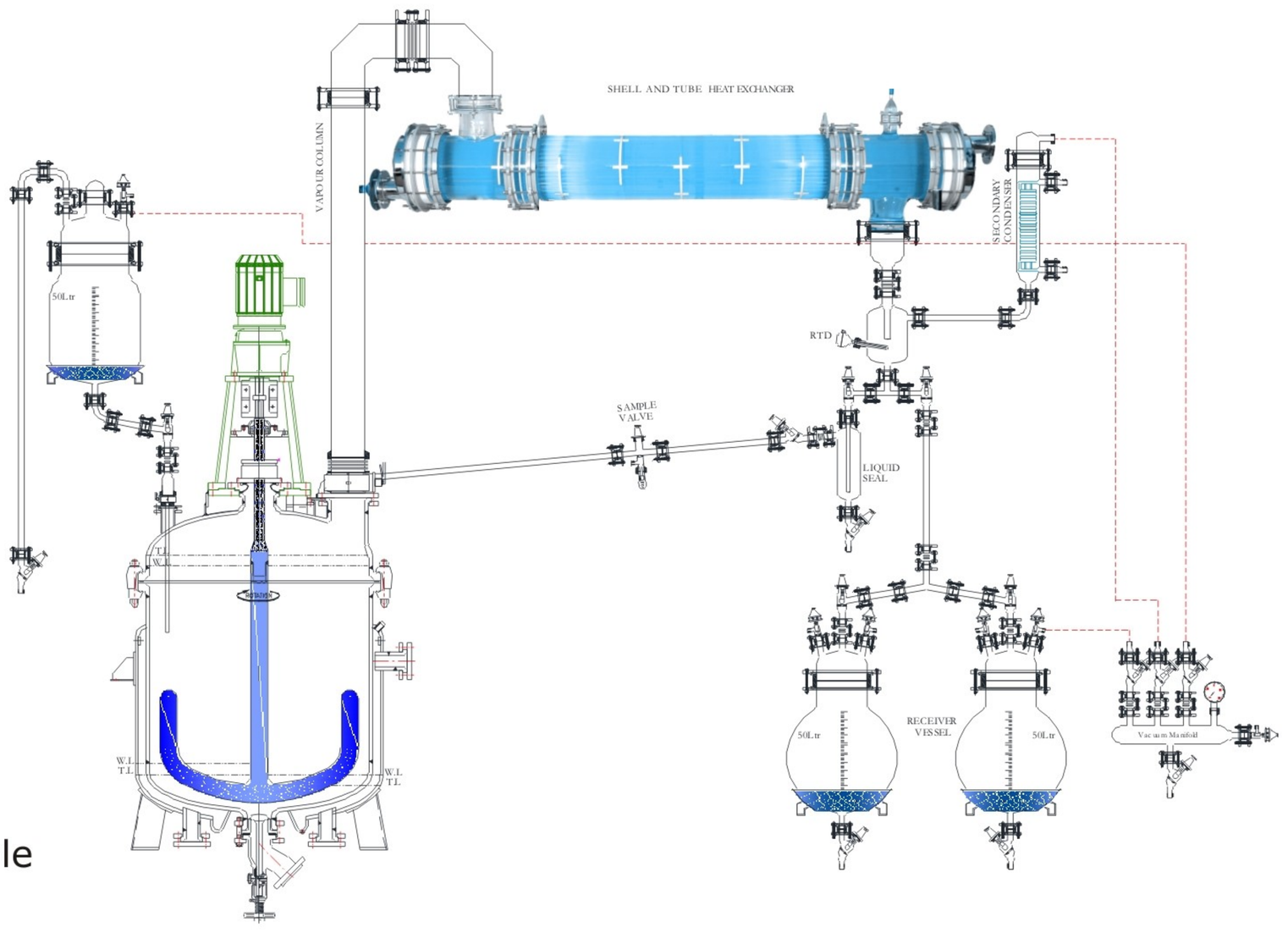

Fig. : Schematic Diagram of GLR Overhead assembly

Salient Features

- Suitable for operation under high vacuum and low pressure
- Setup can be configured up to 600 DN for large size reactors
- Visual monitoring of process, improving safety and reliability of production
- Customized compact design as per available space
- Measure and control devices can be easily equipped
- High corrosion resistant Coupling and Fasteners
- Shell and Tube type Heat Exchanger available up to 40m2 for improved heat transfer efficiency

DESCRIPTION	UNIT	AGR/ GL 1000	AGR/ GL 1600	AGR/ GL 3000	AGR/ GL 5000
Reactor Nominal Capacity	ltr	1000	1600	3000	5000
Heat Exchanger (Exchange Surface)	m^2	8	12.5	16	26
After Cooler (Exchange Surface)	m^2	2	2.5	4	5
Jacket Design Pressure	bar(g)	-1 to +6	-1 to +6	-1 to +6	-1 to +6
Vessel Design Pressure	bar(g)	-1 to +1	-1 to +1	-1 to + 1	-1 to +1
Plant Working Temperature	°C	-20 to +180	-20 to +180	-20 to +180	-20 to + 180
Plant Design Temperature		-25 to +200	-25 to +200	-25 to +200	-25 to +200
Plant Working Pressure	bar(g)	0.5	0.5	0.5	0.5
Feed Vessel	No.*ltr	2*100	1*200	2*200	2*200
Receiver Vessel	No.*ltr	2*100	2*200	2*200	2*200
Vapour Line Column	DN	150	225	300	300
Rupture Disc	bar(g)	0.5	0.5	0.5	0.5

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