

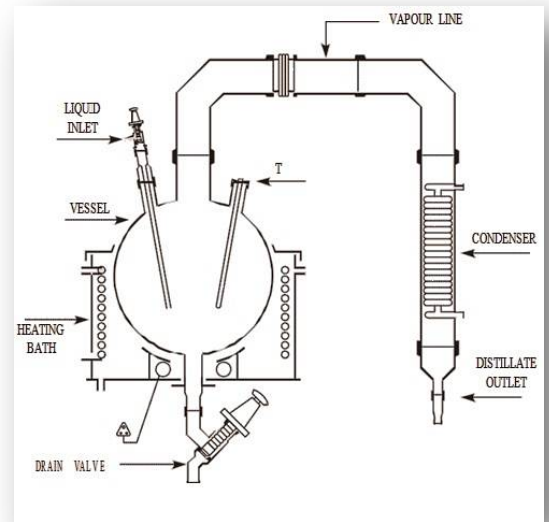
Distillation System

SIMPLE DISTILLATION UNITS

It consists of a vessel mounted in a heating bath and fitted with a condenser for condensing the vapours. A receiver with drain valve can be added for receiving the condensate.

The units are available in vessel sizes of 20, 50, 100, 200 & 300 L and are suitable for operation under atmospheric pressure and full vacuum.

Unit Cat. Ref.	Reactor Capacity	Bath KW	Vapour Line	Condenser HTA M2
SDU20	20 L	4.5	80 DN	0.35
SDU50	50 L	6.0	100 DN	0.50
SDU100	100 L	9.0	150 DN	1.50
SDU200	200 L	12.0	150 DN	1.50
SDU300	300 L	16.0	225 DN	2.50

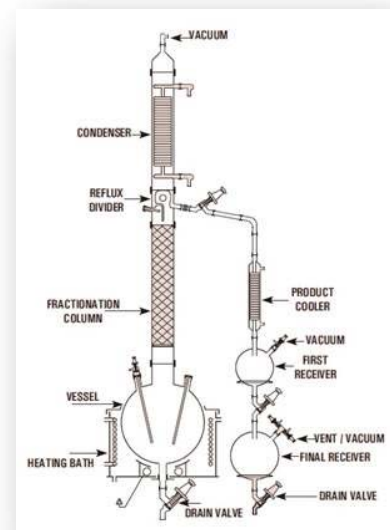


Fraction Distillation Unit

This is essentially a compact batch-type unit in which the re-boiler consists of a vessel mounted in a heating bath and with a packed column above. The vapours from top are condensed and can be refluxed as per requirement.

The top product is sub-cooled and collected in receivers. The bottom product is finally drained from the re-boiler through a drain valve.

Fractional Distillation units are available in vessel sizes of 20,50,100 & 200L and is suitable for operation under atmospheric pressure and full vacuum.

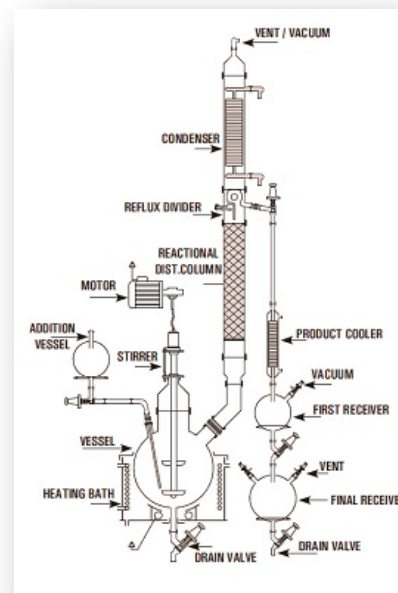


Unit Cat. Ref.	Reactor Capacity	Bath KW	Addition Vessel	Vapour Line	Condenser HTA M2	Cooler HTA M2	Receiver Size
FDU20	20 L	4.5	2 L	80 DN	0.35	0.10	5L
FDU50	50 L	6.0	5 L	100 DN	0.50	0.20	10L
FDU100	100 L	9.0	10 L	150 DN	1.50	0.35	20L
FDU200	200 L	12.0	20 L	150 DN	1.50	0.35	20L
FDU300	300 L	16.0	20 L	225 DN	2.50	0.50	20L

REACTION DISTILLATION UNIT

This is a versatile unit and can be used as Reaction Distillation Unit, Fractional Distillation Unit or a combination of both. All features of Reaction Distillation Unit and Fractional Distillation Unit are incorporated.

The units are available in vessel sizes of 20, 50, 100 & 200L and are suitable for operation under atmospheric pressure and full vacuum.



Unit Cat. Ref.	Reactor Capacity	Bath KW	Addition Vessel	Vapour Line	Condenser HTA M2	Cooler HTA M2	Receiver Size
FRU20	20 L	4.5	2 L	80 DN	0.35	0.10	2L,5L
FRU50	50 L	6.0	5 L	100 DN	0.50	0.20	5L, 10L
FRU100	100 L	9.0	10 L	150 DN	1.50	0.35	10L, 20L
FRU200	200 L	12.0	20 L	150 DN	1.50	0.35	10L, 20L
FRU300	300 L	16.0	20 L	225 DN	2.50	0.50	20L, 20L