

STANDARD UNITS

REACTION UNIT

This unit is used for carrying out reactions under stirred condition and with provision for simple reflux distillation.

The reaction vessel is mounted in a heating bath and fitted with addition vessel, motor-driven stirrer and provision for condensation with refluxing. The product is sub-cooled and collected in a receiver.

The units are available in vessel sizes of 20, 50, 100, 200, 300 & 500 L and is suitable for operation under atmospheric pressure and full vacuum.

| Unit Cat. Ref | Reactor Capacity | Bath KW | Addition Vessel | Vapour Line | Condenser HTA M ² | Cooler HTA M ² | Receiver Size |
|---------------|------------------|---------|-----------------|-------------|------------------------------|---------------------------|---------------|
| RDU20 | 20 L | 4.0 | 2 L | 80 DN | 0.35 | 0.10 | 5 L |
| RDU50 | 50 L | 6.0 | 5 L | 100 DN | 0.50 | 0.20 | 10 L |
| RDU100 | 100 L | 9.0 | 10 L | 150 DN | 1.50 | 0.35 | 20 L |
| RDU200 | 200 L | 12.0 | 20 L | 150 DN | 1.50 | 0.35 | 20 L |
| RDU300 | 300 L | 18.0 | 20 L | 225 DN | 2.50 | 0.50 | 20 L |
| RDU500 | 500 L | 24.0 | 50 L | 300 DN | 4.00 | 0.70 | 50 L |

