

The diagram illustrates a vacuum distillation system with three stages of distillation. The top stage consists of a horizontal condenser (2) and a vertical receiver (3) with a side arm (4) and a bottom arm (5). Below this is a second stage with a condenser (2'), receiver (3'), and side arm (4'). The third stage is similar, with a condenser (2''), receiver (3''), and side arm (4''). The receivers (3, 3', 3'') are connected to a common vertical line leading to a horizontal condenser (10). Below this condenser are three vertical receivers (13, 13', 13''). The system is connected to a vacuum pump (8) via a line (16) containing a valve (17). A pressure gauge (9) is connected to the line (16). A control unit (14) is connected to the system via a line (18). The entire apparatus is shown within a dashed rectangular boundary.

