

ABSTRACT

PROCESS AND PLANT FOR PURIFICATION
OF A GAS STREAM CONTAINING ACROLEIN

In a first stage a feed gas stream containing
5 acrolein originating for example from the gas-phase
oxidation of propylene to acrolein, is fractionated
into a gaseous effluent and a liquid stream in a
cooling column operating such that the temperature of
the liquid stream at the bottom of the column is lower
10 than or equal to the condensation temperature of the
feed gas stream, the difference in temperature not
exceeding 20°C and, in a second stage, the gaseous
effluent is condensed at a temperature that is lower
than 20°C, to give a liquid fraction and a purified
15 gaseous fraction.

FIGURE 1