

What our systems - UBE Gas Separation SYSTEM - boil down to is that UBE GAS SEPARATORS are linked with pipes and are skid-mounted for easy installation to separate permeable gases like H₂, He and CO₂ from gas streams. The driving force of the gas separation is the partial pressure difference of each component across the membrane. Accordingly, the pressure of the permeate gas is lower than that of the feed gas. However, the non-permeate pressure is essentially equal to the feed gas pressure.

Typical equipment constitution for UBE Gas Separation SYSTEM is shown. Feed gas volume and operating conditions determine the necessary number and arrangement of the Separator. Wide operating flexibility - Turndown operation from 40 to 100% of the design basis is effected automatically. Additional turndown is accomplished by valving off any appropriate number of separators. Requirements for increasing capacity can be easily met by the simple addition of more membrane separators as required.