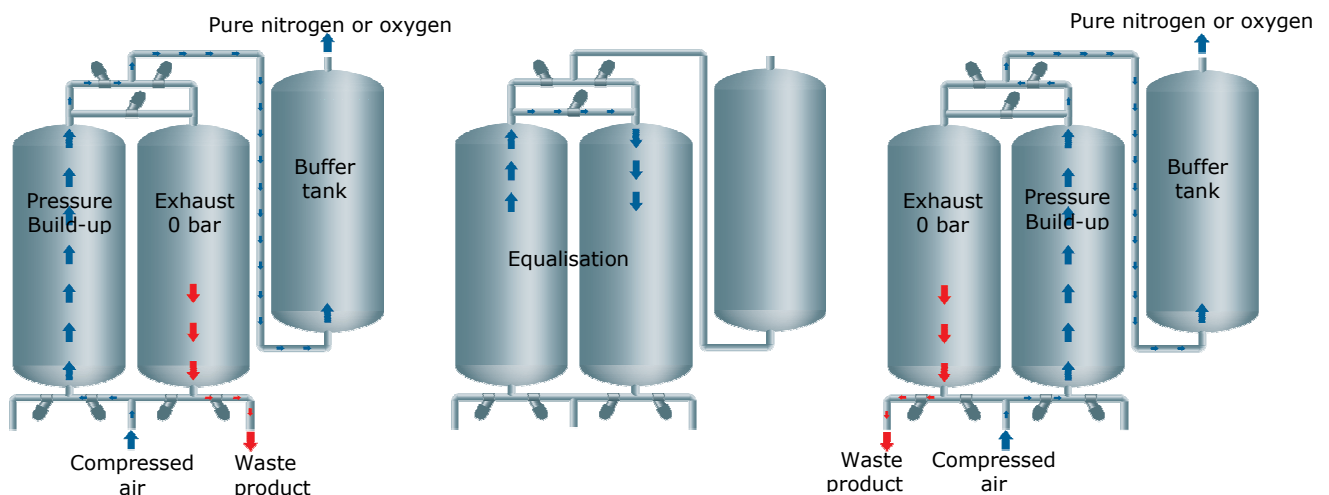
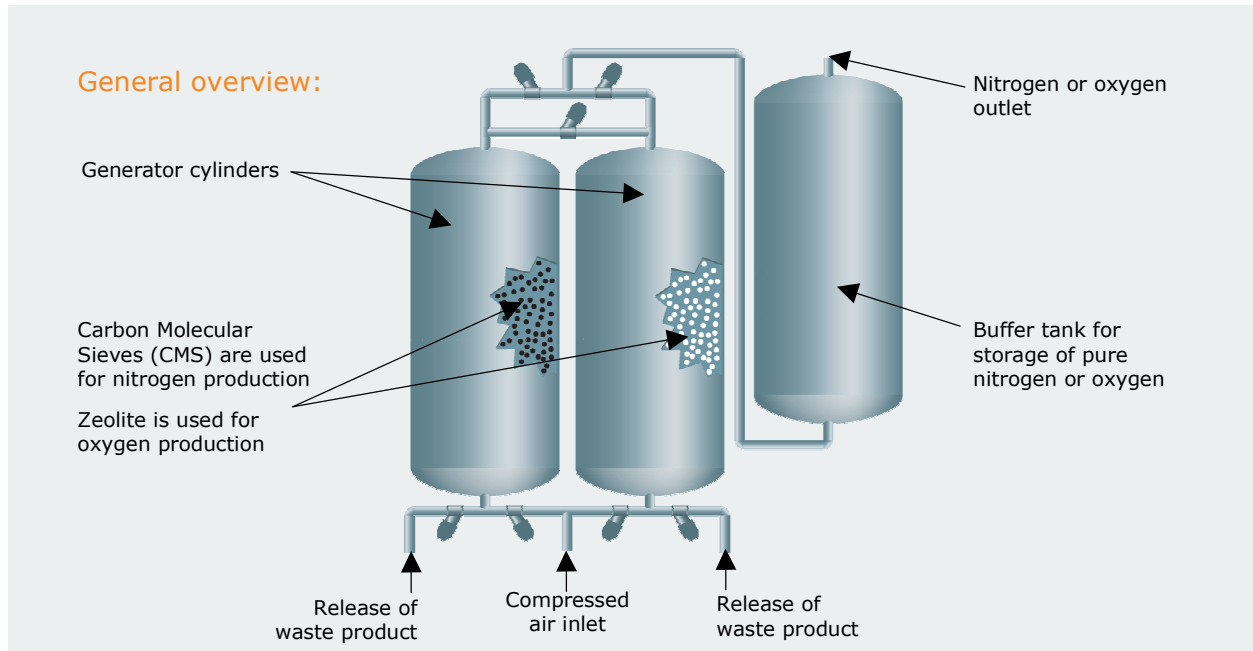




How PSA works

All Gazcon nitrogen and oxygen generators are based on the Pressure Swing Adsorption (PSA) technology



The PSA process starts as clean and dry compressed air enters the first cylinder (left). The unwanted gas is adsorbed by the pellets at high pressure, but the molecules you want pass through. The resulting high-purity gas is stored in the buffer tank. During this step of the cycle, the second cylinder (right) is cleaned.

Next, the pressure between the two cylinders is equalised.

When the pressure drops in the left cylinder and the pellets are saturated, the waste products are blown out through the exhaust system. In the right cylinder pressure builds up until the pressure between the two cylinders is once again equalised. The process is repeated and a constant production of gas is established.