

DISSOCIATED AMMONIA GENERATORS

ABBOTT FURNACE COMPANY'S

Dissociated Ammonia Generators are designed to provide an economical source of pure, dry, highly reducing atmosphere. The dissociating process produces an atmosphere gas that consists of 25% nitrogen and 75% hydrogen. This gas can be used in many thermal processing applications where high hydrogen content is necessary in the furnace atmosphere. Dissociated Ammonia provides a dry hydrogen/nitrogen mixture that is produced by passing ammonia through a heated retort that contains nickel catalyst.

Abbott's line of **Dissociated Ammonia Generators** uses a vertical retort configuration with silicon carbide heating elements and are available in sizes ranging from 100 – 6000 cubic feet per hour. These generators are based on the historically robust Drever designs dating back to 1939. Abbott has added all of the improvements you would expect to see in new equipment today including state of the art controls with several PLC/ HMI combinations, data logging, digital power controllers, and updated gas safety systems.

