



Autoclave Systems

McGill AirPressure LLC

sales@mcgillairpressure.com

614.829.1200

1777 Refugee Road Columbus, OH 43207-2119

www.mcgillairpressure.com

Digesting Autoclave Systems

Chemical leach and extracting processes in the minerals industry are performed in rotating spherical pressure vessels called rotary digesters. In addition to ores, fine and long fiber paper and proteins and fibrous materials products are processed in these rotating pressure vessels.

Increased pressure and the unique blending and folding agitation that occurs in a rotating sphere enhance reaction rates. The acid or caustic leaching of impurities from the ground material improves low-grade ores. In some cases, desired materials are dissolved and removed in the liquid phase. Materials subject to size degradation or caking can be successfully blended and dried in a rotary vessel.

McGill AirPressure supplies rotary digesters in sizes up to 20 feet (6,100 mm) in diameter. Our globe and cylindrical digesters offer the versatility of temperature, pressure, and mixing control and the reliability required to withstand hostile environments of simultaneously applied high temperature, high pressure and acid/alkaline solutions.



McGill AirPressure's rotary globe (above) and cylindrical digesters (below) are used to process ore, paper, and fibrous materials.

