

RECYCLING SULFURIC ACID

Info BITS

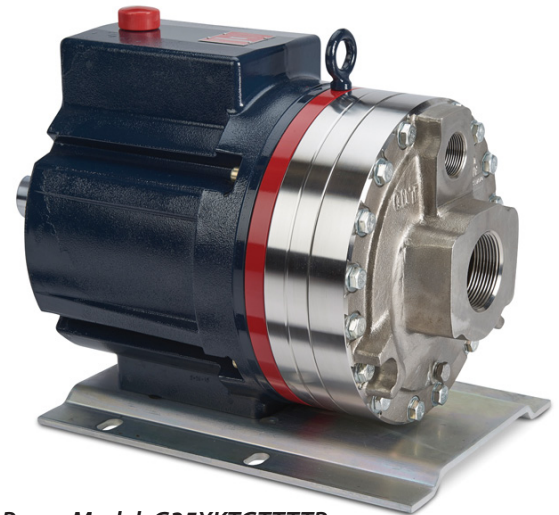


Hydra-Cell® Handles Particulates in Mining Waste Product

One of the largest manufacturers of Zirconium in the world uses 20% content of H_2SO_4 (sulfuric acid) in its Zirconium mineral refining process. Sulfuric acid with the Zirconium powder can be neutralized by alkaline to treat the waste acid. The alkaline treatment facility processes approximately 150 tons per day.

A reverse osmosis engineering company selected the Hydra-Cell D35/G35 with a Hastelloy pump head to process the recycled sulfuric acid. The seal-less design and horizontal disk check valves of Hydra-Cell handle the Zirconium powder (up to 0.5 mm particle size). The pump head and valve materials selected resist acidic corrosion.

In addition to these benefits, the company appreciates the compact design and minimal maintenance of Hydra-Cell. Capacity of this operation is expected to increase by 800%, creating more Hydra-Cell pump opportunities.



Pump Model: G35XKTGTTTTB

Flow: 31.7 gpm (120 l/min)

Pressure: 1015 to 1160 psi (70 to 80 bar)

Application: Recycling H_2SO_4 containing Zirconium powder.

**Corrosion
Resistant!**

Hydra-Cell®
Seal-less Pumps

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