



# APPLICATION BRIEF - 21/0805

INDUSTRY: PULP AND PAPER

PRODUCT: ANSI VALVE, TITANIUM MATERIAL

MEDIA: CHLORINE DIOXIDE, SODIUM CHLORATE, METHANOL, SULFURIC ACID

## IMI PBM Solution:

A major Pulp and Paper Mill required 2-way valves for a process that produces chlorine dioxide used for paper bleaching. A by-product of the process, sodium sesquisulfate, is an abrasive and acidic substance that plays havoc on valves. IMI PBM's fabricated a valve made with Grade 5 titanium wetted parts to handle the corrosive by-products. The body was machined with minimal dead space where product might collect. A flushing ball was added to flush the ball of any residual and o-ring backed seats provided tight shut-off performance in this tough application.

