

The caustic scrubbing database is a compilation of test results obtained with the Separations Research Program's air/water tower. A 300 gallon sump contains a system comprised of 0.1N NaOH which reacts with ambient CO<sub>2</sub> in the atmosphere (about 360 - 400 ppm) via countercurrent flow through the absorber. Analytical equipment measures the concentration of the CO<sub>2</sub> into and out of the unit as well as the OH concentration in the sump over time. With this data it is possible to determine the effective surface area of the packing. This database provides users with the effective surface area for random and structured packing over a wide variety of liquid and vapor rates.

- Personal computer or compatible
- 256K of RAM
- EXCEL 2000 or greater
- Windows 98 or greater

The database includes information for the following packings:

- IMTP #25
- IMTP #40
- 2" Stainless Steel Pall Rings
- 1" Stainless Steel Pall Rings
- Montz B1-250
- Montz B1-500 (P)
  - 40pt Fractal Distributor
  - 10pt Fractal Distributor
  - Orifice Distributor
  - Drip Tube Trough Distributor
- Montz A3-500
- CMR #2 (metal)
- CMR #2A (plastic)