

VESSEL

Sulphur Dioxide Scrubber

SIZE

6'0" Ø gas inlet carbon steel duct
and 12'0" Ø stainless steel
cooling tower

OPERATING CONDITIONS

Temperature	260 °C
Gas inlet	SO ₂
Acid	H ₂ SO ₄ at 80 °C
pH	1.5

LINING SPECIFICATIONS

Refractory 2 courses (7" thick)
50 % silica brick lining in potassium
silicate mortar for gas inlet duct.

Epoxy Novalac vinyl-ester membrane
protected by a fireclay brick (4 " thick)
in potassium silicate mortar for the vapor zone and protected
by a red shale brick (4 " thick) in
carbon filled furan mortar for the
liquid zone of the cooling tower.

QUANTITIES

Area	920 ft ²
Pieces	3,800

