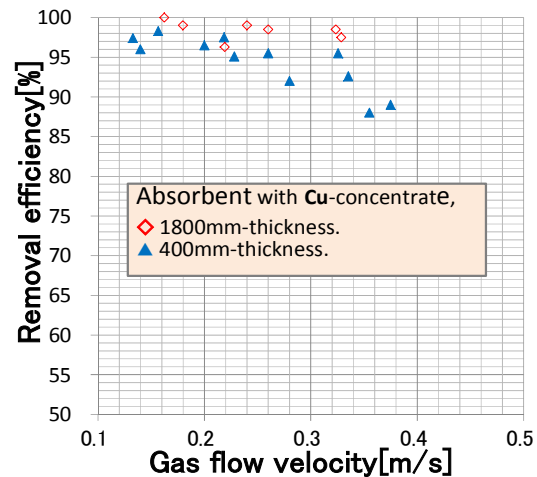


SMMEC's Absorbent for Mercury removal

SMMEC has developed a new **mercury absorbent** for packing-towers, which will remove gaseous mercury out of the exhaust gas with high removal efficiency and long life.



Absorbent for removing gaseous mercury



Example data of mercury removal performance test for Zn- smelting furnace exhaust gas.

【Advantages】

◇High removal efficiency

- More than 95% with 1500mm-thickness of absorption bed(at 0.2m/s gas flow velocity).

◇Low pressure loss

- Less than approx. 0.2kPa/m (at 0.2m/s gas flow velocity).

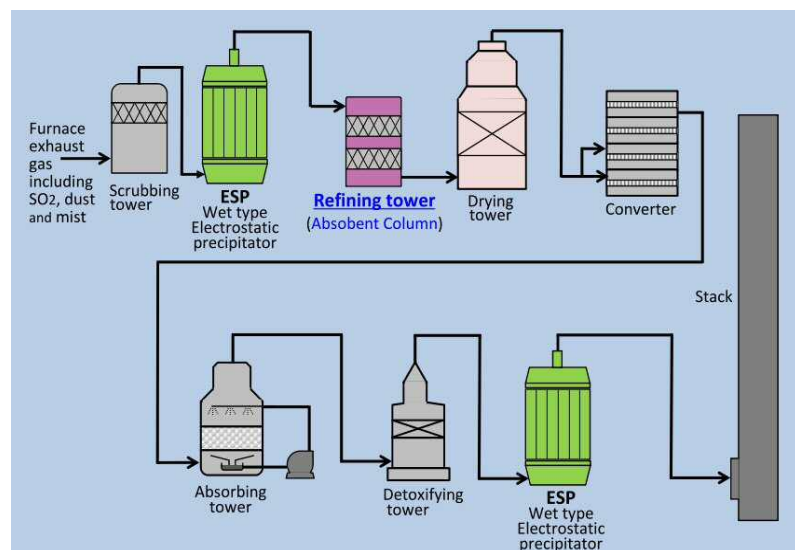
◇Long life

- Wide experiences of long life, more than 10-years even in the exhaust gas containing sulfur dioxide (SO₂) gas.

◇Others

- Including little lead(Pb) owing to blending Cu-concentrate instead of lead sulfide.

【Application example】



Application example for sulfuric acid process

Refining tower shall be installed on the downstream side of ESP in order to prevent from increasing of pressure-loss and deterioration of the absorption performance caused by adhered dust. Absorbent tower will be also applied to the other processes of exhaust-gas treatments, such as coal-fired boilers, industrial waste incinerators as well as nonferrous smelting process.

