

CFB Scrubbers

A Flexible multi-pollutant technology

Our Circulating Fluid Bed (CFB) Scrubber efficiently captures all acid gases, metals and particulate matter down to the lowest levels. It is a versatile and flexible technology that can clean up flue gases from boilers and industrial processes using the least amount of water and project capital.

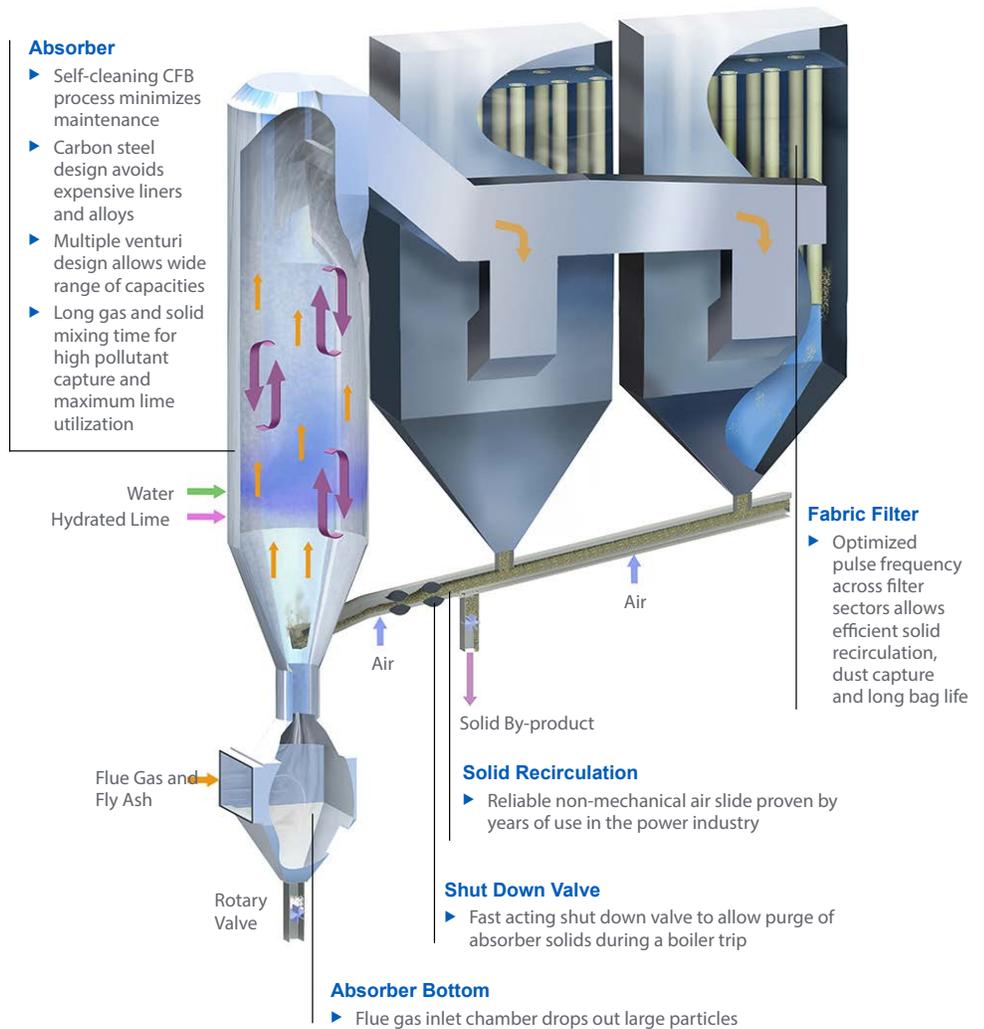
Our multi-pollutant CFB scrubbing reliably and economically captures:

- ▶ Oxides of sulfur
- ▶ HCl, HF, Hg
- ▶ PM10 and PM2.5

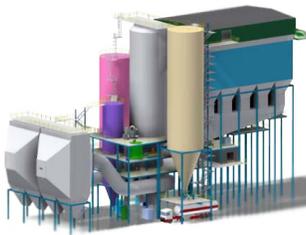
While providing many benefits over conventional technology:

- ▶ Uses 30-40% less water than wet FGDs
- ▶ 50% lower capital cost than wet FGDs
- ▶ Best capture of acid gases and metals
- ▶ Excellent capture of oxides of sulfur
- ▶ Very low operating cost and need for lime reagent with calcium rich boiler ash (ideal for CFB boilers)
- ▶ Low maintenance since it doesn't utilize lime slurry and rotary atomizers

If you do not need a full scrubber, we also offer advanced baghouse technology to reduce your plant's dust, metals, and acid gas emissions.



RECENT PROJECTS



Harbin Electric Soma Kolin

Location: Soma, Turkey
 Customer: Harbin Electric International
 Plant Capacity: 2 x 225 MWe
 Start-Up year: 2016
 Fuel: Turkish Lignite
 Gas Flow: 2 x 1,217,200 m3/hr
 SO2 Removal: 79%
 SO3 Removal: 95%



Refinery Wesseling Germany

Location: Wesseling, Germany
 Customer: Shell
 Plant Capacity: 2 x 60 MWe
 Start-Up Year: 2012
 Fuel: Heavy Fuel Oil
 Gas Flow: 2 x 382,500 m3/hr
 SO2 Removal: Up to 97%
 SO3 Removal: Up to 99%



Basin Electric Dry Fork Station

Location: Gillette, WY, USA
 Customer: Nooter Erikson
 Plant Capacity: 420 MWe
 Start-Up Year: 2011
 Fuel: PRB Coal
 Gas Flow: 3,060,000 m3/hr
 SO2 Removal: Up to 96%
 SO3 Removal: Up to 99%