

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.

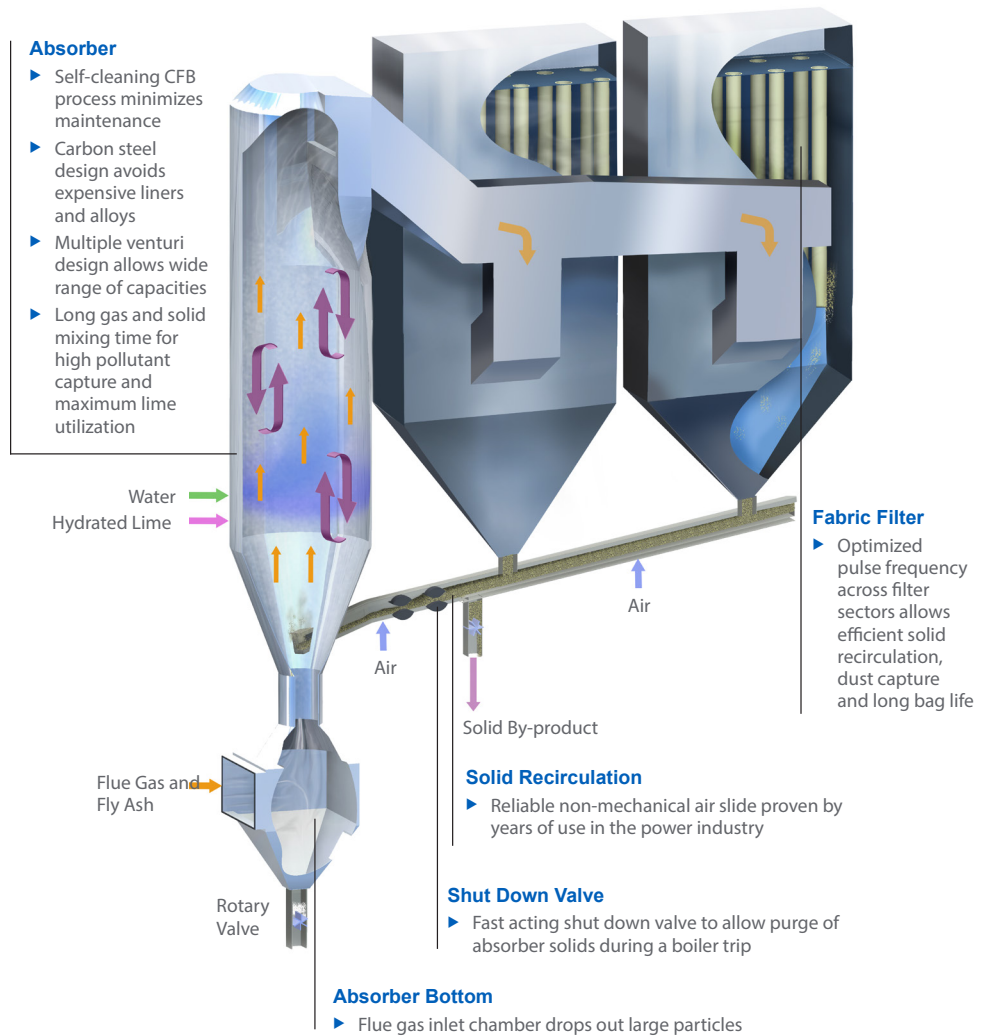
Our multi-pollutant CFB scrubbing reliably and economically captures:

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

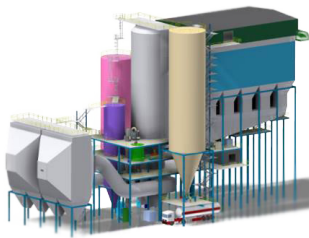
While providing many benefits over conventional technology:

- ▶ 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%

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Our vision is to provide sustainable energy solutions through decarbonization, decentralization and digitalization of the energy industry. Our capabilities cover customer needs in the fields of power generation utilizing circulating fluidized bed (CFB) technologies, long term energy storage, and related network services. We continuously broaden our portfolio of products and services by advancing our in-house technologies and developing further alliances with new partners.

Our Values

Respect for people.

Valuing and inviting differing views and ideas

Committed to customers.

Exceeding expectations and providing value

Safety, integrity and teamwork.

Incorporating ethics in everything we do

Ownership of results.

Personally ensuring that success is achieved

Passion to innovate and grow.

Setting challenging goals for growth



Sumitomo
SHI **FW**