

SMITH FIBERCAST

Time-Tested Piping Systems for Power Generation Applications



- Bottom Ash
- Limestone Slurry
- Service Water
- Fire Mains
- Waste Lines
- and many others

Fiber Glass Systems™ 

STAR • SMITH • FIBERCAST

Why Fiberglass Piping is the right Choice for your Power Plant

Choose From These Piping Systems:

RED THREAD® II
2" - 24"; up to 450 psig
at 210°F

GREEN THREAD®
1" - 24"; up to 450 psig
at 225°F

**CENTRICAST PLUS®
RB 2530**
1" - 14"; up to 150 psig
at 250°F

F-CHEM®
1" - 72"; up to 150 psig
at 200°F

**CENTRICAST PLUS®
CL 2030**
1" - 14"; up to 150 psig
at 200°F

SILVER STREAK®
2" - 48"; up to 150 psig
at 225°F

CERAM CORE®
6" - 16"; up to 225 psig
at 200°F

Z-CORE®
1" - 12"; up to 150 psig
at 275°F

The power plant is an unforgiving world where materials are subject to extremes of corrosion, abrasion and heat. Conventional materials can fail in a matter of months. One material that has proven itself in this aggressive environment over the last 30 years is fiberglass piping from FGS Smith Fibercast.

EXCELLENT CORROSION AND ABRASION RESISTANCE

All of FGS Smith Fibercast piping systems are resistant to the corrosive effects of soils and the atmosphere. Some are specially

designed to withstand the tough abrasion of services such as flue gas desulfurization slurries and bottom ash slurries.

DESIGN SUPPORT

- Design is straightforward and well documented in Manual No. E5000, Engineering and Piping Design Guide.
- Easy-to-use Success by Design engineering software is available.



Ninety degree sweep elbows lined with ceramic tiles are one of the fittings choices you have when designing a complete CERAM CORE piping system.

APPLICABLE SPECIFICATIONS AND APPROVALS

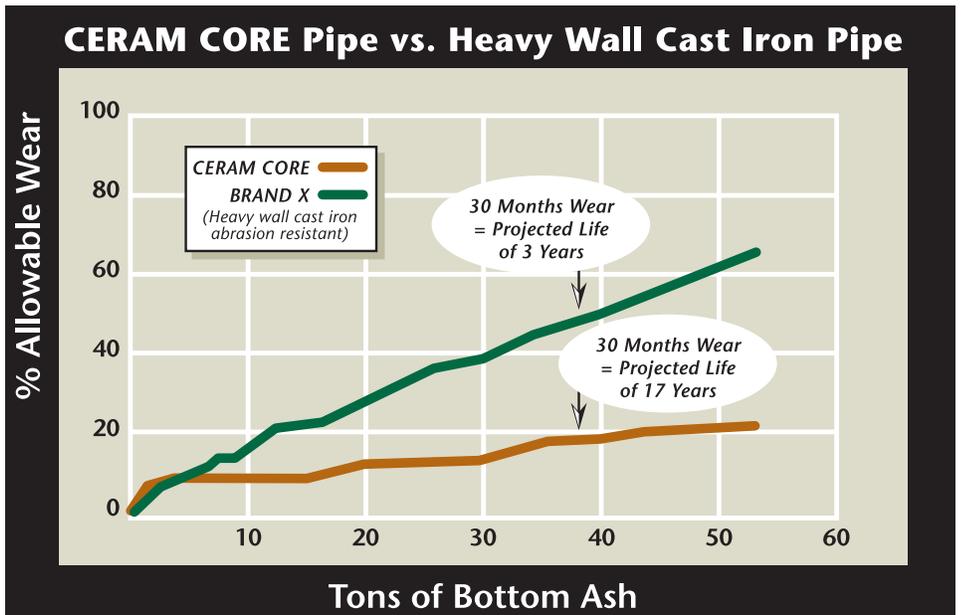
FGS Smith Fibercast piping systems are manufactured and tested to meet or exceed many standards and specifications, including the following: ASTM D2996, ASTM D2997, AWWA M45, Factory Mutual, and ASME/ANSI B31.1 "Power Piping."

WORLDWIDE NETWORK OF STOCKING DISTRIBUTORS AND CERTIFIED FABRICATORS

- Conveniently located to supply FGS Smith Fibercast pipe and fittings for your needs.
- Trained to assist in product selection and installation training.
- Regional certified fabricators to assist in installations.

INTERNATIONALLY RECOGNIZED QUALITY

The Fiber Glass Systems family of worldwide facilities has earned the respected ISO (International Organization for Standardization) 9001:2000 Registration.



**After 30 months handling 53,000 tons of ash, the CERAM CORE test spool showed a projected continuing wear life of more than 17 years versus 3 years for the metallic pipe. Initial wear of CERAM CORE pipe is due to the sacrificial liner used in the manufacturing process.*

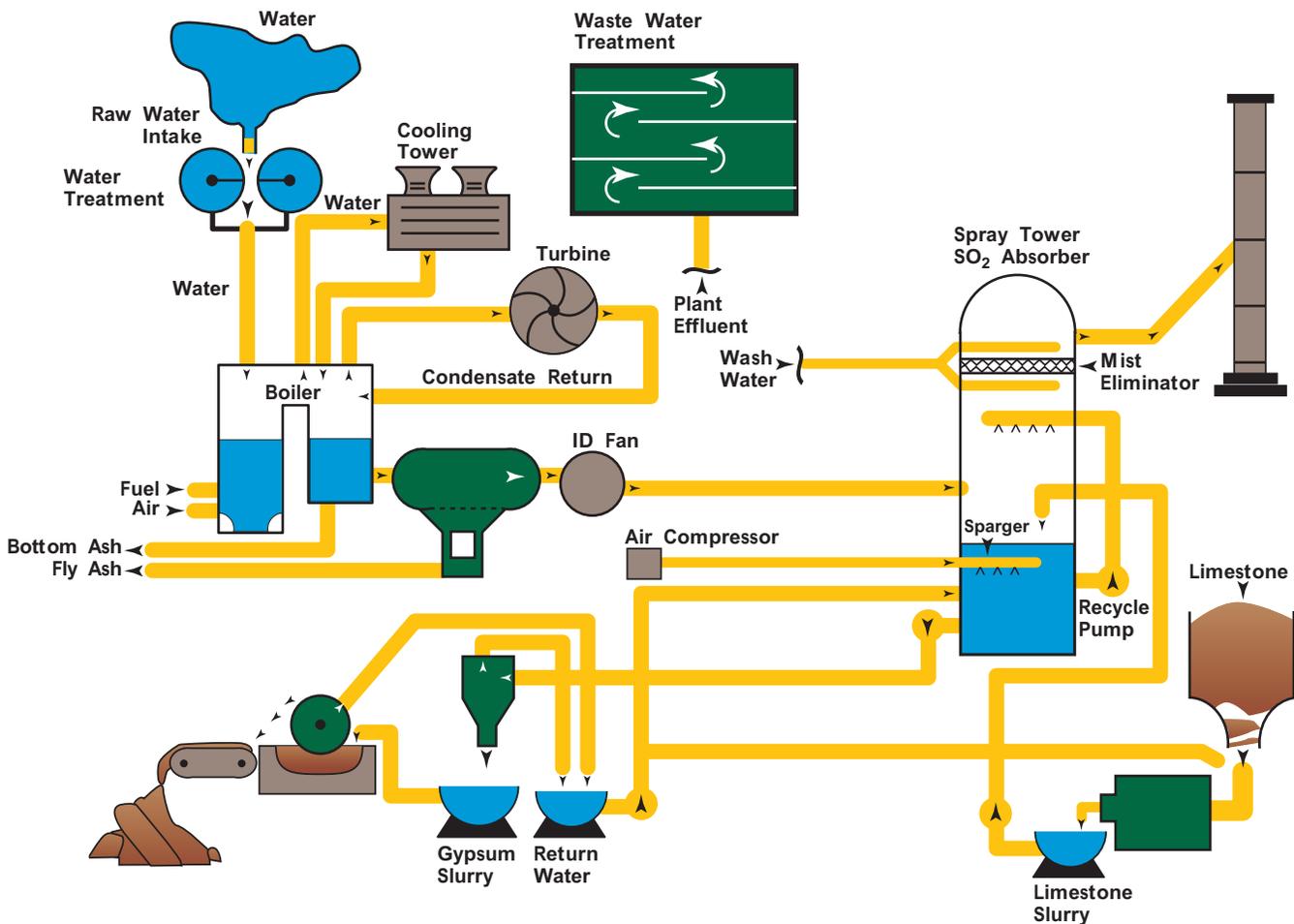


F-CHEM custom piping is supplied for condensed steam cooling tower supply and return lines at geothermal power plant.

SILVER STREAK pipe is manufactured with an abrasion resistant additive for tough FGD applications such as limestone slurry.

POWER PLANT APPLICATIONS FOR FGS SMITH FIBERCAST PIPING

• RED THREAD® II :	Waste Water, Raw Water Intake, Potable Water, Cooling Tower Supply, Deionized Water, Coal Pile Run Off, and Boiler Water Feed
• RED THREAD® II FM :	Fire Main Water
• GREEN THREAD® :	Wet Fly Ash, Waste Water, Demineralized Water, and Deionized Water
• SILVER STREAK® :	Wet Fly Ash, FGD Sludge, Gypsum Slurry, and Limestone Slurry
• CENTRICAST® RB :	Wet Fly Ash, Demineralized Water, Deionized Water, and Sulfuric & Hydrochloric Acid
• CENTRICAST® CL :	Acid Waste and Sulfuric & Hydrochloric Acid
• F-CHEM® :	Waste Water, Raw Water Intake, and Cooling Tower Supply
• Z-CORE® :	Sulfuric & Hydrochloric Acid
• CERAM CORE® :	Bottom Ash



It is the policy of Fiber Glass Systems to improve its products continually. In accordance with that policy, the right is reserved to make changes in specifications, descriptions, and illustrative material contained in this bulletin as conditions warrant. Always cross-reference the bulletin date with the most current version listed at www.smithfibercast.com. The information contained herein is general in nature and is not intended to express any warranty of any type whatsoever, nor shall any be implied.

