

**NOV**

**FIBER GLASS SYSTEMS**

**POWER PLANT**

**APPLICATIONS**

# Power Plant Applications

## Pipe & Fittings

Red Thread II®, Green Thread®, Centricast® Plus RB 2530 and CL 2030, F-Chem®, Silver Streak®, Ceram Core®, and Z-Core® pipe and fittings are available for use in power plant installations where materials are subject to extremes of corrosion, abrasion and heat. Based on the product selection, the sizes range from 1” through 72” diameters with pressure ratings up to 450 psig static at a maximum operating temperature of 275°F. Individual product brochures are available at [www.fgspipe.com](http://www.fgspipe.com).

Compatible fittings are manufactured with the same **chemical/temperature** capabilities as the pipe. Depending on the particular part and size, fittings will be compression molded, contact molded, hand fabricated or filament wound.

- Fittings Literature:  
    *A1350-Standard 1”-16”*  
    *A1390-Standard 1”-14”*

## Field Tapering & Joining

Pipe can be cut and easily retapered for installation in the field using NOV Fiber Glass Systems tapering tools. Power or manual tools are available for smaller diameter pipe. Both manual and power operated tools are available for larger diameter pipe. Power-driven tools are recommended for larger pipe sizes and where many tapers are required. See *Pipe Installation Handbook for Matched Tapered Bell & Spigot Joints*, for installation instructions and recommendations on the proper tool for your particular application.

An adhesive bonded socket connection with positive stops in the fittings is standard and simplifies close tolerance piping installation. A high strength adhesive with the same chemical resistance and temperature capabilities is used to bond the pipe and fittings. See *Socket Joint Installation Handbook* for detailed installation instructions and fabrication techniques.

Refer to *Chemical Resistance Guide* for proper application.

## Distribution

NOV Fiber Glass Systems has a network of stocking distributors across the U.S. as well as representatives and distributors in many other parts of the world. These distributors are supported by a staff of experienced technical personnel at the home office and by highly trained, strategically located field personnel.

## Joining Methods



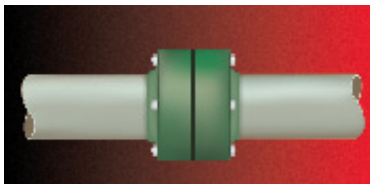
### Bell & Spigot

Matched taper joint secured with epoxy adhesive. Self-locking feature resists movement, facilitating joining long runs of pipe without awaiting adhesive cure.



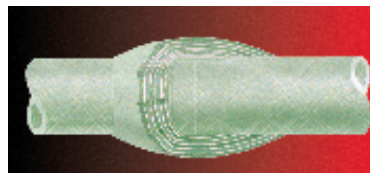
### T.A.B.™

Threaded and bonded joining system. Double-lead threads provide quick and secure adhesive connections during installation. Available for 2”- 6” Red Thread II pipe diameters.



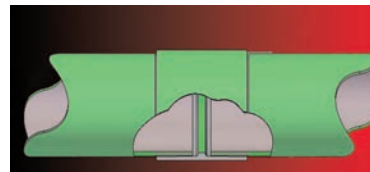
### Flanged

Available for all piping systems and diameters; factory assembled or shipped loose for assembly in the field.



### Butt & Wrap

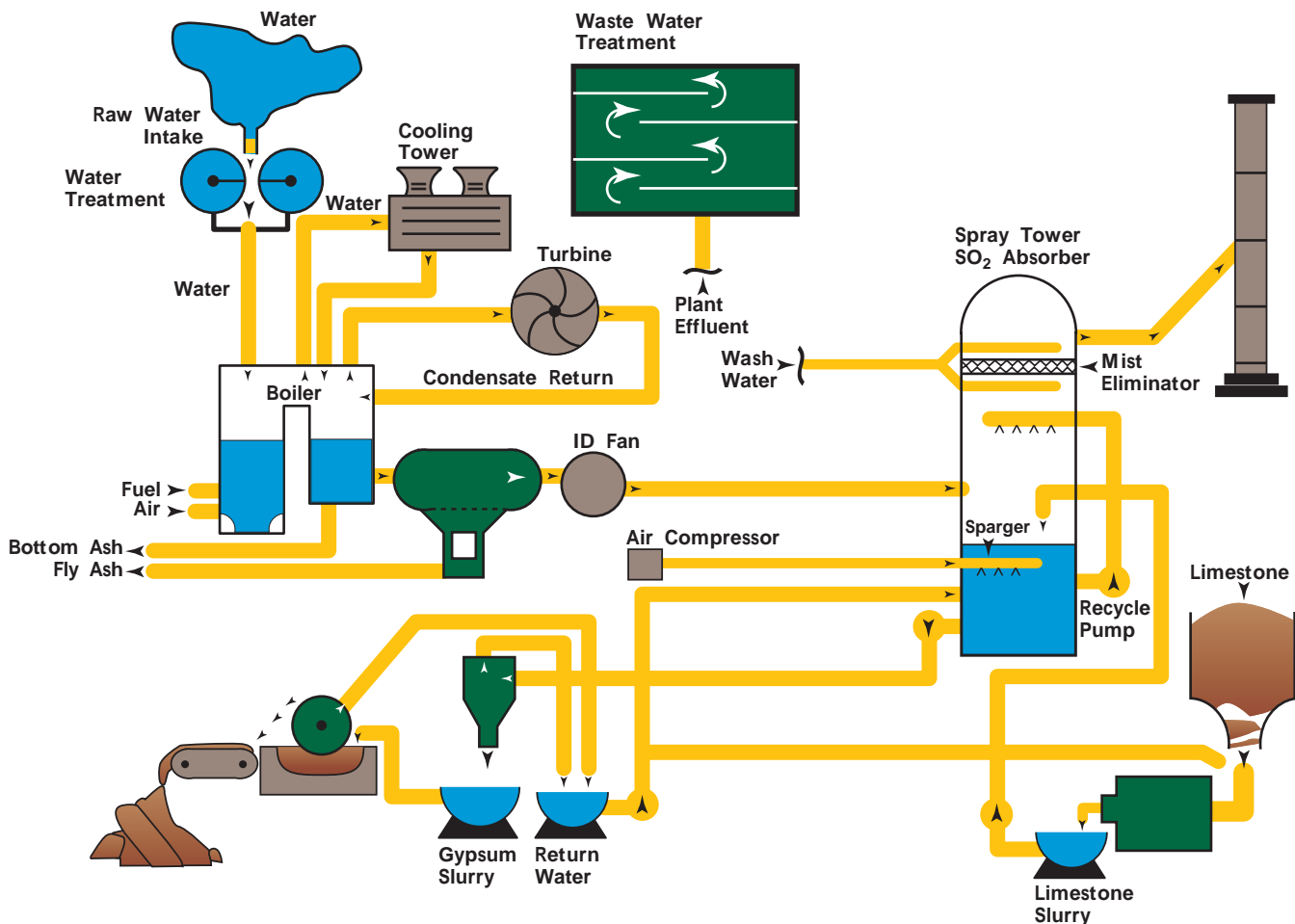
Plain end pipe or pipe and fittings butted together and wrapped with multiple layers of resin-saturated mat or woven roving. Can be used with all piping systems and diameters.



### Socket Joint

Adhesive bonded straight socket joint with positive stops. This is the standard for Centricast piping systems.

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



### APPLICABLE SPECIFICATIONS AND APPROVALS

NOV Fiber Glass Systems' 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/CERTIFIED FABRICATORS

- Conveniently located to supply NOV Fiber Glass Systems' pipe and fittings for your needs.
- Trained to assist in product selection and installation training.
- Regional certified fabricators to assist in installations.



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