

# Expansion Joints



## COMPANY EXPERIENCE

At ProcessBarron we have assembled a skilled team of craftsmen and engineers who produce a full inventory of metal and fabric expansion joints and related equipment for all heavy industrial and utility applications.

Our expertise comfortably covers complete new applications, retrofitting upgrade equipment into existing spaces and providing readily available parts for any emergency. All of our welding procedures comply with AWS D1.1 or equal. All of our fabric materials comply with (FSA) Fluid Sealing Association Specifications.

Field crews are available for complete turnkey installation, start-up of equipment, on-site inspections and a detailed evaluation of your current air handling needs.

Technical assistance and custom-designed specifications are provided through our sales and engineering departments. ProcessBarron is just a phone call away. Make your next project a success by making the call to us today...

## EMERGENCY REPAIR SERVICES

ProcessBarron provides fast emergency repair services. Don't lose valuable time and money waiting on those not truly equipped to handle systems and equipment of your size or complexity. Our sales engineers are available after hours if you have an emergency and need immediate on-site equipment repair.

For emergency repair, call: 800-226-3267. 24 hours a day, 7 days a week.



## COMPANY SERVICES

ProcessBarron designs, fabricates, assembles and splices all expansion joints in our shop near Birmingham, Alabama. Our full service engineering capabilities include field inspection and measurement, detailed drafting, and custom designs. At ProcessBarron, we stock a wide variety of fabrics and insulation for both emergency and standard delivery.

We supply expansion joints for a wide variety of applications including:

- Ductwork
- ID and FD Fans
- Precipitators
- Stacks
- Baghouses
- Scrubbers



## EXPANSION JOINT TYPES

### METAL

- Metal Bellows
- Universal Expansion Joint
- Duct Expansion Joint
- Pipe Expansion Joints

### FABRIC

- Molded - with or without Liner
- 7 Frame
- Z Frame
- J Frame
- J Frame Single Baffle
- J Frame Double Baffle
- L Frame
- High Temperature



# METALLIC EXPANSION JOINTS

**METAL BELLOWS**



**UNIVERSAL EXPANSION JOINTS**



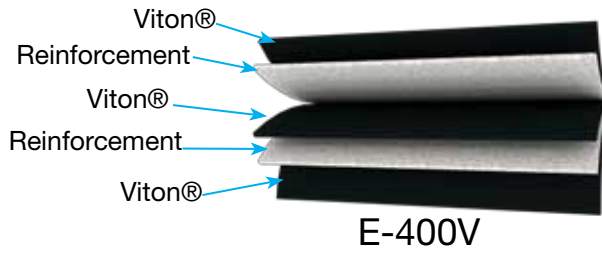
**DUCT EXPANSION JOINT**



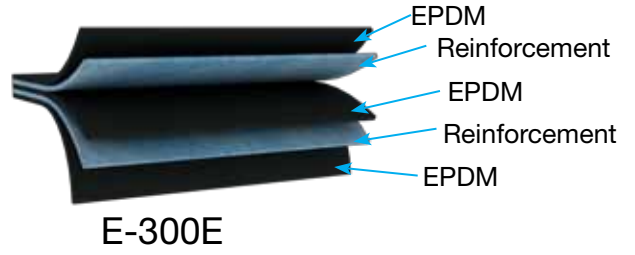
**PIPE EXPANSION JOINTS**



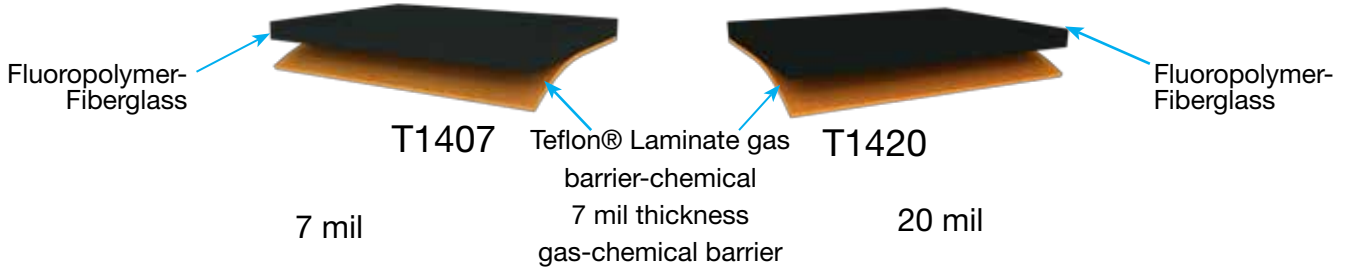
## Fluoroelastomer



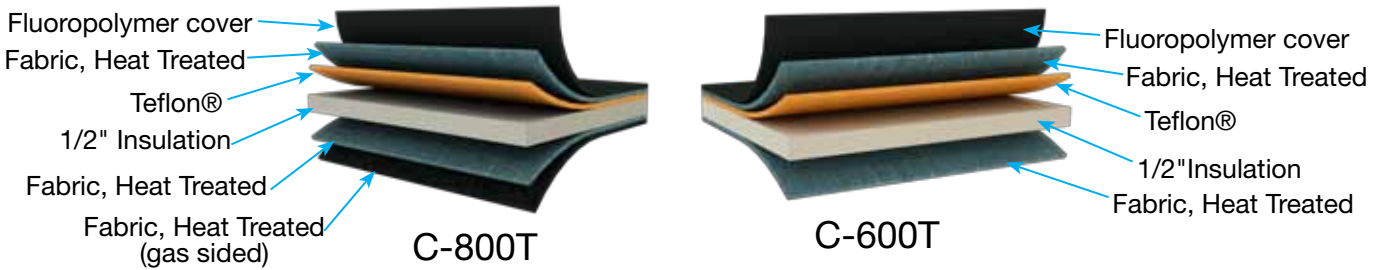
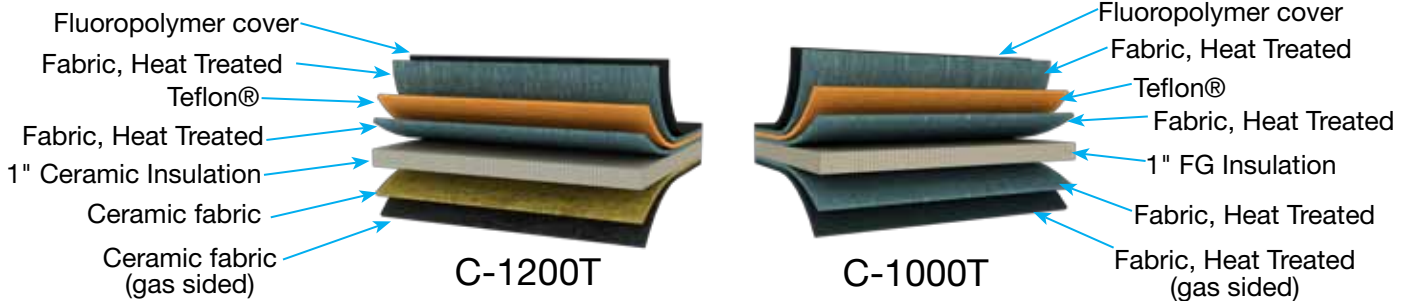
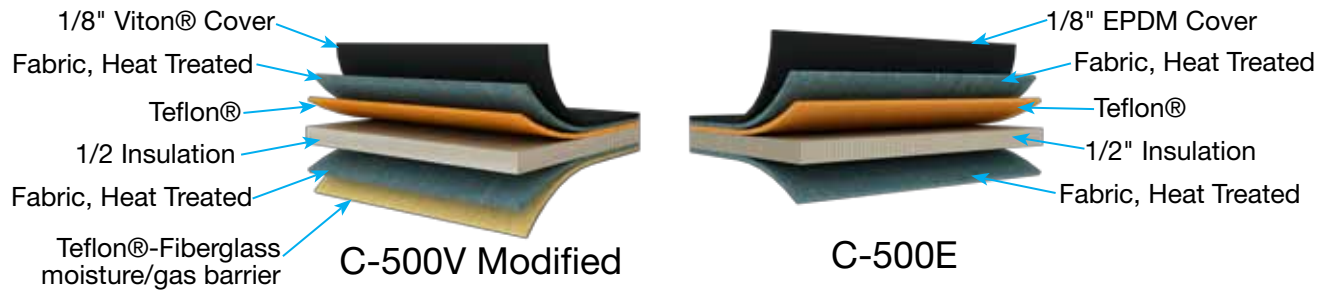
## Elastomer



## Fluoropolymer with Laminated Gas Barriers



## Composites with Fluoropolymer/Elastomer Covers



**Teflon:** is a registered trademark of E.I. Dupont Company

**Viton:** is a registered trademark of Dupont Dow Elastomers



## FIELD SERVICES

ProcessBarron's Field Service department specializes in the turnkey installation of our equipment. Our in-house field service department is also available to inspect and perform maintenance on existing equipment and can provide a detailed evaluation of your current problems and future needs.

- Turnkey installation of new equipment
- On-site inspection
- Measurement and thorough analysis of existing equipment
- Air flow measurement and reporting
- Preventive maintenance
- Efficiency upgrades
- Laser alignment
- Fan balancing services
- Vibration analysis
- Temporary joint repair and splicing
- Scrubber stack repair
- Emergency equipment repair



## **COMPANY REPRESENTATIVES**

With over 60 representatives located in North America, South America, Central America and the Caribbean, ProcessBarron can typically evaluate your industrial equipment needs within 24 hours.

To contact a representative please call our office in Alabama at 205-663-5330 or visit our website at [www.processbarron.com](http://www.processbarron.com).

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design | engineer | fabricate | install | service | repair | rebuild



PO Box 1607 | Pelham, AL 35124 | 205-663-5330

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## COMPANY SERVICES

### Fuel & Ash Handling Systems

- Fuel Receiving, Storage, & Delivery Systems
- Metering Bins, Screw, & Drag Reclaimers
- Screening & Hog Towers
- Custom Belt, Screw, & Drag Conveyor Designs
- Fly Ash & Bottom Ash Systems
- Custom Ash Drag & Screw Conveyors
- Fly Ash Conditioning & Truck Loading Systems
- Submerged Bottom Ash Drag Chain Conveyors
- Complete Turnkey Materials Handling Systems
- Double Dump Valves – Electric & Pneumatic
- Rotary Feeders – New & Repair
- Redesign & Retrofit

### Air & Gas Handling Systems

- Mechanical Draft Fans (Induced & Forced Draft)
- Boiler Upgrades & Stokers
- Economizers & Tubular Air Heaters
- Mechanical Dust Collectors
- Custom Dampers
- Fabric & Metal Expansion Joints
- Ductwork & Exhaust Stacks
- Fan & Vibration Analysis
- Draft System Assessment
- Engineering Analysis
- Efficiency Upgrades
- Repair & Rebuild

24 Hour Emergency Repair Services Available

DESIGN • ENGINEER • FABRICATE • INSTALL • SERVICE • REPAIR • REBUILD