

# Serving The Nuclear Industry

## ThorburnFlex

A Proven Leader In Flexible Piping Technology

Since its conception over 50 years ago, Thorburn has become a world leader in the design and manufacture of custom engineered precision bellows, metallic and non-metallic expansion joints. Operating under a strategy of global presence in the Power Generating & CANDU Nuclear Industries, Thorburn is structured to consistently meet and exceed customers expectations in quality, value and service.

### NGS Installations:

- OPG Pickering (8 Units)
- OPG Darlington (4 Units)
- OPG/BP Bruce (8 Units)
- HQ Gentilly (1 Unit)
- NB Power Point Lepreau (1 Unit)
- Cernavoda Romania (2 Units)
- Quinshan China (2 Units)
- Wolsong South Korea (4 Units)
- Embalse Argentina (1 Unit)

### Designers and OEM's:

- AECL
- GE Canada
- SNC-Nuclear
- CANDU Energy
- AREVA

### Products:

- Annulus seal bellows for calandria fuel channel
- Bellows for snout indexing mechanism & loop liner tube
- F/M head separator & linear potentiometer assemblies
- Reactivity mechanism expansion joints
- Main steam penetration & dousing expansion joints
- Containment passage expansion joints
- Pressure balanced crossover expansion joints
- Metallic & rubber expansion joints for RSW, CWC and CWS

### Quality Assurance:

- CSA N285.0, B51, CAN3 Z299.3
- ASME B31.1, B31.3, NCA4000 NQA-1
- ASME U Stamp
- ASME NPT Stamp (In Progress)
- ISO 9001:2008



ISCIR Romania | CNCAN Romania | EN 13480-2002 | HAF 604 China | TSG China

(CRN for all Canadian Provinces)

### THORBURN FLEX - Canada

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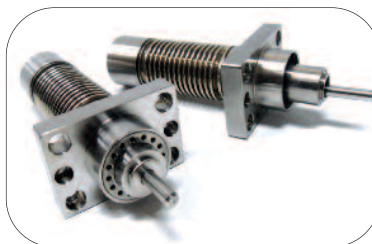
Fax: +1-514-695-1321

sales@thorburnflex.com



Multi-Ply Bellows  
made with Inconel SB443  
alloy 625LCF

Annulus seal bellows for calandria fuel channel



Fueling machine head  
separator assemblies



Bellows for snout indexing  
mechanism



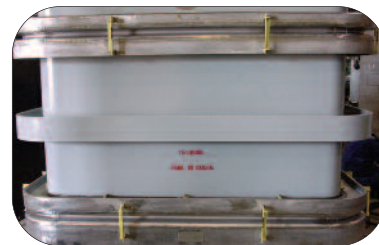
Miniature bellows for fuel rod flask  
limit switch & rod cup seal



Loop liner tube bellows  
assemblies



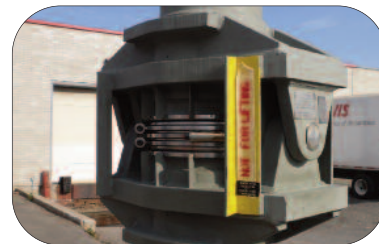
Pressure balanced crossover  
expansion joints



Containment passage rectangular  
expansion joints



Main steam penetration gimbal  
expansion joints



Dousing system hinged  
expansion joints

1-800-363-6613

www.thorburnflex.com