



POWER PLANT SUPPLY CO Expansion Joint Suppliers

<http://www.powercanadasolutions.com/expansionjoints.html>
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Contact sales we will be happy to assist with sizing and model selection

A variety of conditions can negatively affect piping systems. Thermal expansion and contraction, shifting or vibrations can lead to movement and bending of the Piping. Over time this can be significant and put excessive stress on the piping system. Expansion joints protect the most vulnerable sections of piping - e.g. connections at pumps and other equipment or at elbows and fittings. Expansion joints help isolate the stresses caused by pipe movement. High quality, engineered, rubber expansion joints are the solution for demanding applications.

Multiple arch designs are available for high movement applications and non-standard lengths can be accommodated with ease.

Control units are recommended to prevent damage to the expansion joint from excessive movement that can occur if the attached piping is not adequately supported and guided.



Standard spool type expansion joints are available in three rating from 15 psig to 200 psig and also for vacuum service. Higher working pressures can be supplied for special applications.



For situations where high movements must be absorbed but the installation space is limited wide arch expansion joints to suit the specific application are available. Wide arch expansion joints are available in both handmade and molded construction.



Joints provide a high pressure rating with the added benefit of a non-clogging, long radius arch configuration. The steel flanges rotate easily on the bellows making it easier to line up the bolt holes during installation.



Electric Power Stations using Steam Turbines need to isolate the turbine from the steam condenser to reduce stresses at the turbine neck and isolate vibration. Much of this equipment is over 50 years old and documentation is hard to find for this type of expansion joint. Techniques and materials used in the original construction are no longer commonplace as newer installations have used newer "dog-bone" type expansion joints. Using any available documentation and taking field measurements if necessary, a custom designed replacements are available that fit and specified standards.

Rubber Expansion Joints; Hand Made Spool type expansion joints; Wide arch expansion joints; Molded Spherical Expansion Joints; Steam Turbine Expansion Joints: Power Plant Supply Co has convenient shipping warehouse locations in Canada, to serve customers in Ontario, ON, Quebec, QC, Atlantic Canada, including New Brunswick, NB, PEI, Nova Scotia, NS, Newfoundland & Labrador, NL, British Columbia, BC, Alberta, AB, Manitoba, Man, Saskatchewan, SK, Nunavut, Northwest Territories, NWT, Yukon. Next day Air or convenient ground to major cities including Vancouver, Calgary, Edmonton, Fort McMurray, Winnipeg, Yellowknife, Thunder Bay, Hamilton, Toronto, Ottawa, Montreal, Quebec City, Saint John, Moncton, Fredericton, Charlottetown, Halifax, Sydney, Corner Brook, St John's. Shipping to all USA points ground or air.

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