

# ENGINEERING SPECIFICATIONS

## EXPANSION COMPENSATORS

Expansion compensators can be utilized on heat transfer piping, tubing, heaters, radiators, solar panels and other equipment as indicated within the specifications, drawings and equipment schedules to compensate for thermal pipeline growth.

Vertical piping for domestic hot water, chilled water, heating water, steam and steam condensate will be provided with expansion compensators at each floor.

Joints are constructed with multi-ply Series 300 stainless steel bellows and carbon steel shroud, internal liner and end fittings. Joints will utilize an anti-torque and anti-squirm device.

All connections must have ends to match piping system.

Copper tube ends are provided on joints for copper piping.

Joints for steel piping will have plain weld ends, male NPT threaded ends, flange or groove ends.

Joints will have a minimum rating of 200 PSIG working pressure and axial movements of 1-3/4 inches compression and 1/4 inch extension. In all applications, joints will provide a minimum of 150% expected growth between anchors.

Carefully align joint and make proper allowance for temperature of pipe at time of installation.

Pipe guides should be placed as per EJMA standards.

Expansion compensators will be TCH Series EXCM, EXCW, EXCG, EXCF, EXCS.