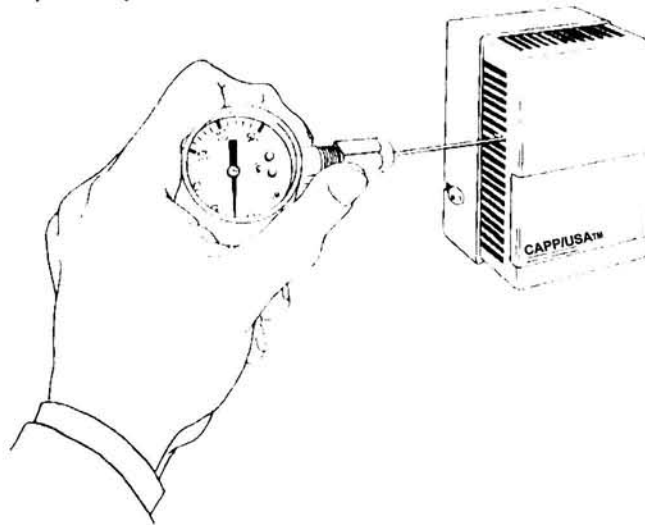


# ENGINEERING and TECHNICAL

## **HANDY GUIDE TO TROUBLESHOOTING PNEUMATIC THERMOSTATS**

Before troubleshooting your thermostat, make certain there is 25-30 psi (172-207 kPa) of clean, dry air supplied. Also use test gauge and needle adaptor to measure the control pressure.



PROBLEM	CHECK	PROBLEM CAUSE	CORRECTIVE ACTION
Control Pressure Stays at Approximately Zero	Air Supply	Low Supply Pressure	As Required
	Nozzle or Flapper	Dirt on Nozzle or Flapper	Clean Nozzle or Replace Thermostat
	Restrictor	Clogged Restrictor	Replace Restrictor
	Calibration	Out of Calibration	Recalibrate
Control Pressure Stays at Approximately Supply Pressure	Nozzle	Clogged Nozzle	Clean Nozzle or Replace Thermostat
		Dirt on Either Supply or Exhaust Valve Seat	Alternately Close and Open Nozzle by Gently Pushing Down the Bimetal
	Calibration	Out of Calibration	Recalibrate
Excessive Air Leakage From Exhaust Port	Supply and Return Line Connection	Connections are Interchanged or Connection is Made to Wrong Port	As Required