

F41 TVA

## TEFLON-PFA FLOWMETER INSTRUCTIONS

### OPERATING INSTRUCTIONS

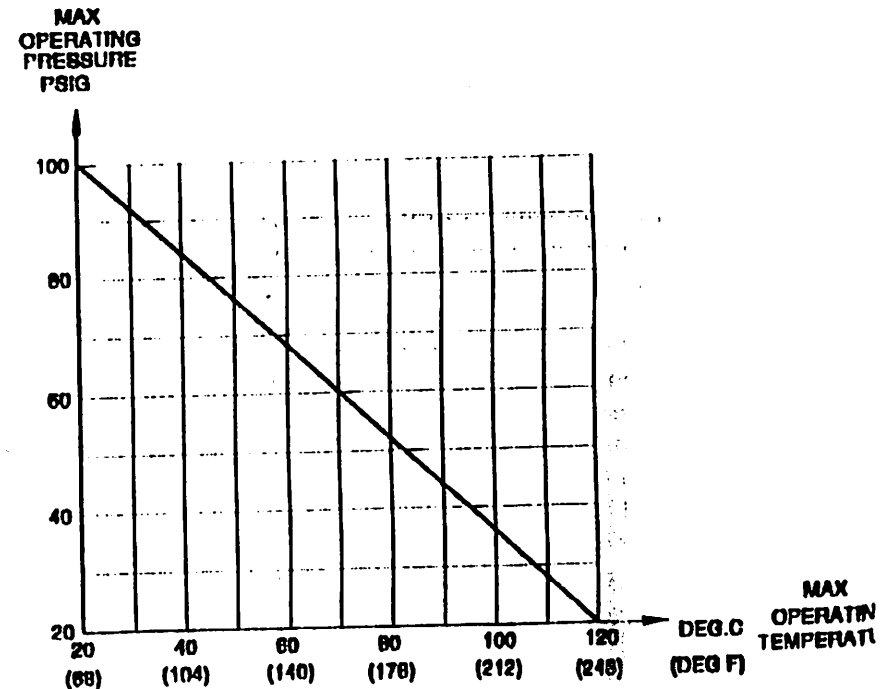
1. Inspect instrument for any possible visible damage resulting from shipping. Notify the carrier of any shipping damage claims, also notify the distributor the flowmeter was purchased from.
  3. Prior to installing, all lines that will be connected to the flowmeter must be purged of any dust or other residual contamination. In some applications a filter should be installed at the inlet of the flowmeter.
  4. Flowmeters must be installed in a vertical position, any significant deviation from vertical will effect the flow readings.
  5. Built-in valves are positioned at the outlet of the flowmeter unless otherwise specified.
  6. Valves should be closed before installation and opened gradually after all connections are carefully inspected.
- CAUTION:** excessive tightening of valves may cause damage to the flowmeter
7. A leak test of the meter in the system is recommended before initial use. When hazardous gases or fluids are involved an initial leak test is required.
  8. To operate the flowmeter, see the calibration data to locate the specific point where the desired flow rate is on the flowtube. Open valve until the float reaches the desired point.
  9. Critical sealing surfaces and O-rings can be damaged when a flowmeter is disassembled. Taking apart a PFA /Teflon flowmeter is not recommended, it should be returned to the factory or some other qualified repair location.
  10. If it is not possible to return the flowmeter for servicing and it is necessary to disassemble the meter, carefully follow the directions below.

### SAFETY INFORMATION

1. This flowmeter was designed to be operated at pressures not exceeding 100 psig (6.9 bars), or temperatures not exceeding 250 deg F (121 deg C).

**IMPORTANT NOTE:** For safe operation of TEFLON-PFA Flowmeters please note the chart below demonstrating the relationship between maximum allowable service pressures and temperatures. It is very important to know that as the service temperature increases the maximum allowable service pressure decreases; and conversely as the service pressure increases the maximum allowable temperature decreases. For example, at 60 psig (4.2 bars) pressure, the maximum allowable temperature must not exceed 70 deg C (158 deg F).

### MAXIMUM ALLOWABLE PRESSURE VS TEMPERATURE



2. To avoid possible physical injury, never operate a flowmeter without the protective front shield.