For optimal performance, the service conditions (medium, flow, temperature, inlet and outlet pressures) of the application must be considered when selecting a valve. Please refer to the Valve Selection Section of this catalog. Consult the Valve Selection tables for the capabilities of a particular valve/actuator assembly. A positioner may be required to maximize the close-off capability of the valve. Improper application may cause failure of the valve, resulting in possible personal injury or property damage.

For replacement or service parts please see Accessories and Replacement Parts in the Regulators and Control Valves section of the list price sheet.

The Trerice 940 Series Pneumatic Control Valve offers extreme quality and maximum valve performance. The Series 940 is available in a variety of 2-way and 3-way valve styles for industrial, demanding HVAC and commercial process applications. The 940 Actuator can be furnished with a 14" or 17" diaphragm and includes a rugged, die cast aluminum diaphragm chamber.

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**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Actuator Models</th>
<th>Valve Body Number</th>
<th>Positioner Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>940B</td>
<td>Refer to pages 250-257</td>
<td>760P Pneumatic</td>
</tr>
<tr>
<td>940C</td>
<td></td>
<td>760E Electropneumatic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Omit if None</td>
</tr>
</tbody>
</table>

1. **Determine** the valve size, style and material required by the application.
2. **Consult** the Valve Selection table to determine the required Valve Model.
3. **Refer** to the maximum close-off pressure columns to determine the Actuator (with or without positioner) needed to provide the close-off pressure required by your application.
4. **Specify** the Actuator Model.
5. **Specify** the Valve Body Number.
6. **Specify** the Positioner Model (if required).
940 Series
Heavy Duty Control Valve

Valve & Actuator Specifications

<table>
<thead>
<tr>
<th>Actuator Models</th>
<th>Diaphragm Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>940B</td>
<td>14”</td>
</tr>
<tr>
<td>940C</td>
<td>17”</td>
</tr>
</tbody>
</table>

Construction
Aluminum yoke and diaphragm chamber, acrylic enamel finish

Pressure Plate
Aluminum

Diaphragm Material
Nylon reinforced Buna-N

Input Signal
3-15 psi
9-15: Single Seat - Fail Closed only

Air Pressure to Diaphragm
30 psig maximum

Air Pressure Connection
1/4 NPT Female

Operating Temperature
Ambient:
-40°F (-40°C) to 180°F (82°C)
Process Flow:
-40°F (-40°C) to 410°F (210°C)

Approximate Shipping Weight
940B: 45 lbs [20 kg]
940C: 86 lbs [39 kg]

Positioner Specifications*

Models
760P (Pneumatic)
760E (Electropneumatic)

Action
Direct

Input Signal Ranges
760P: 3 to 15 psig
760E: 4 to 20 mA

Air Requirements
Clean, oil-free, dry air
Maximum Supply Pressure: 30 psig
Air Consumption:
0.28 SCFH (760P),
0.38 SCFH (760E), typical
Flow Rate: 9.0 SCFM

Connections
Pneumatic: 1/4 NPT
Gauge: 1/8 NPT
Electrical: 3/4 NPT
Exhaust: 1/4 NPT

Enclosure
NEMA 4X, IP65

Ambient Temperature
-40°F (-40°C) to 185°F (85°C)

Weight
10 lbs [4.55 kg]

Valves with positioners operate on a control signal of 3-15 psig or 4-20mA and utilize an internal 9-15 psig range spring.

The Trerice TA987 Air Filter/Regulator is recommended for filtering and regulating the pressure of plant compressed air and delivering clean, dry air at the proper pressure to pneumatic control devices.