

Valve Body Selection

(for 940E Series Electric Motor Control Valve)

CAST IRON

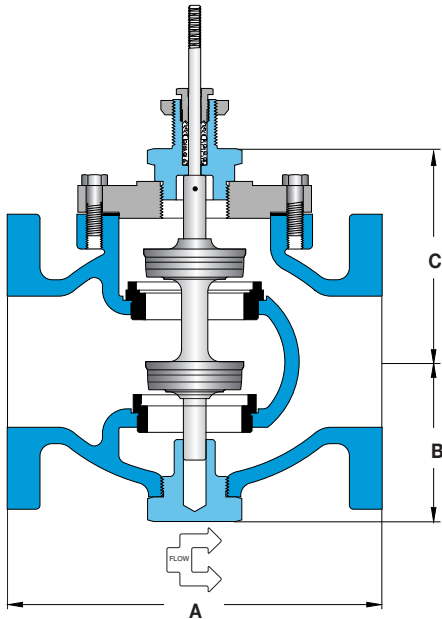
Double Seat • 1 1/2" – 6"



All dimensions are nominal. Dimensions in [] are in millimeters.

CONTROL VALVES

Stem In-To-Close



Note: Drawing depicts flanged connection; 1 1/2" and 2" valves have threaded connection.

| Size | Class 125 | | | Class 250 | | |
|--------|------------|-----------|-----------|------------|-----------|-----------|
| | A | B | C | A | B | C |
| 1 1/2" | x | x | x | 7.4 [188] | 3.8 [97] | 4.5 [114] |
| 2" | x | x | x | 7.4 [188] | 3.8 [97] | 4.5 [114] |
| 2 1/2" | 7.8 [198] | 4.0 [102] | 4.9 [124] | 8.4 [213] | 4.0 [102] | 4.9 [124] |
| 3" | 9.0 [229] | 4.3 [109] | 5.3 [135] | 9.8 [249] | 4.3 [109] | 5.3 [135] |
| 4" | 11.4 [290] | 4.9 [124] | 6.6 [168] | 12.0 [305] | 4.9 [124] | 6.6 [168] |
| 5" | 12.0 [305] | 6.7 [170] | 7.6 [193] | 12.9 [328] | 6.7 [170] | 7.6 [193] |
| 6" | 14.1 [358] | 7.4 [188] | 8.5 [216] | 14.5 [368] | 7.4 [188] | 8.5 [216] |

Specifications

| Body Material | Trim Material | Trim Style | Connection | Pressure & Temperature Rating |
|---------------|-----------------|------------------|---|---|
| Cast-iron | Stainless steel | Equal percentage | 1 1/2-2: Threaded 2 1/2-6: Class 125 flanged 2 1/2-6: Class 250 flanged | 280 PSI @ 350°F (177°C) 140 PSI @ 300°F (149°C) 310 PSI @ 300°F (149°C) |

Valve Body Selection

| In-To-Close | | | | | Maximum Close-Off Pressure (psid)* | | | | Approximate Shipping Wt. | |
|-------------------|-----------|----------------------|--------------|----------------|------------------------------------|-----|---------------|-----|--------------------------|-------------------|
| Valve Body Number | | Size | | C _v | Class 125 | | Class 250 | | Class 125 | Class 250 |
| Class 125 | Class 250 | Connection (Flanged) | Nominal Port | | Actuator Size | | Actuator Size | | | |
| | | | | | 25 | 26 | 25 | 26 | | |
| x | L50 | 1 1/2 NPT | 1 1/2" | 30 | x | x | 280 | x | x | 19 lbs [8.6 kg] |
| x | L61 | 2 NPT | 2" | 42 | x | x | 280 | x | x | 19 lbs [8.6 kg] |
| K73 | L73 | 2 1/2 | 2 1/2" | 70 | 140 | x | 310 | x | 32 lbs [14.5 kg] | 42 lbs [19.1 kg] |
| K78 | L78 | 3 | 3" | 100 | 140 | x | 310 | x | 42 lbs [19.1 kg] | 54 lbs [24.5 kg] |
| K83 | L83 | 4 | 4" | 200 | 140 | x | 223 | 310 | 77 lbs [34.9 kg] | 96 lbs [43.5 kg] |
| K88 | L88 | 5 | 5" | 260 | x | 140 | x | 287 | 124 lbs [56.2 kg] | 162 lbs [73.5 kg] |
| K93 | L93 | 6 | 6" | 350 | x | 140 | x | 197 | 169 lbs [76.7 kg] | 220 lbs [99.8 kg] |

*Close-Off is Class III