8654 Series Electric Quick Shutoff Valve

Available in Double Block & Bleed
The Young & Franklin 8654 Series Quick Shut-Off Valve is a high speed, solenoid operated shutoff valve and is designed for use on combustion or gas turbine engines. There is a single main stage inlet port, an outlet port, and pilot stage plus a vent port. The valve can be used to rapidly shut off flow and isolate the source from the turbine engine, and bi-directional sealing in closed position prevents backflow from the combustion chamber. The valve can be used with air and natural gas and are NACE compliant.

### 8654 Series Electric Quick Shutoff Valve Specifications:

| Nominal Valve Size | DN 80; 3"
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| **Estimated Dry Weight** | Carbon Steel: 3" Valve: 127 lbs.  
Stainless Steel: 3" Valve: 129 lbs.  
Double Block & Bleed: 276 lbs.  
Double Block & Bleed: 281 lbs.
| **Shut-off Time** | < 150 ms
| **Opening Time** | 3-5 s
| **Operating Pressure (min)** | 130 psi (9 bar)
| **Operating Pressure (max)** | 510 psi (35 bar)
| **Valve Flange Size** | ASME B16.5, Class 300, Raised-Face
| **Valve Material** | Carbon Steel (NACE compliant trim), Stainless Steel (optional)
| **Leakage Rate (bidirectional)** | Class VI per ANSI/FCI 70-2 (0.9 mL/min, 6 bubbles/min)
| **Flow Rating** | Cv = 210
| **Media Temperature** | -4°F to +392°F (-20°C to +200°C)
| **Ambient Temperature** | -40°F to +212°F (-40°C to +100°C)
| **Solenoid Voltage** | 125 VDC (90 to 150 VDC), 24 VDC (18 to 32 VDC)
| **Closed Proximity Sensor** | SPDT Proximity Switch
| **Maintenance Interval** | 4 years
| **Certifications** | Csa I Div 1, Grp B, C & D, T3  
Ex db IIB T3 Gb IP65