

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"
Estimated Dry Weight	Carbon Steel: 3" Valve: 127 lbs. Double Block & Bleed: 276 lbs. Stainless Steel: 3" Valve: 129 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° to +392°F (-20° to +200°C)
Ambient Temperature	-40° to +212°F (-40° 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	Cls I Div 1, Grp B, C & D, T3 Ex db IIB T3 Gb IP65



Valve: PED EAC