Whittaker’s precision shaped plug style gas metering valve is designed for use on aero-derivative and large frame industrial gas turbines. This product offers precision gas flow metering with exceptionally high pressure recovery.

### Specifications

**Function:** High pressure recovery, gas flow control for turbine engines

**Physical Size:** See tabulation, 2” 5.31” flange to flange, 29.4” height

**Weight:** 100 pounds

**Flange Type:** ANSI B16.5 CL 300 raised face flanges

**Line Pressure:** 0 to 450 psig

**Fluid Temperature:** −40 to 450°F

**Electrical:** Motor: Steady State, 90-200 VDC, 0.3 ampere, 8 amperes peak. Thermostat: Opens at 329 to 347°F, resets at 251 to 270°F Resolver: 4 VAC, 25 to 60 milliamperes maximum. LVDT: Excitation, 7.07 (± 0.14) volts rms, 3000 (±300) Hz

**Performance:** Numerous flow profiles available

\[ C_g = 300, 600, 800, 1200, 2000, 2900 \text{ and } 3500 \text{ trim profiles} \]

Pressure Drop: Choked flow pressure ratio ≤ 1.08

Internal Leakage: ANSI Class IV

Ambient Temperature: −20 to 200°F

### Key Features

- Patent Pending
- Exceptionally high pressure recovery gas flow
- Failsafe Closed
- Designed for use on both DLE and SAC Turbine Engines
- NEC Class I, Division 1, Groups C and D, T4 Temp Code, CE PED Certified; Atex Group II, Category 2, Zone 1 (II2G)
- All Stainless Steel Valve and Yoke materials for NACE compliance
- No Maintenance Required under normal conditions