

High Recovery Gas Metering Valves

**C422355 – 2, 3 & 4 Inch Raised Face Flanges
Available with Electric or Hydraulic Actuator**

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 ampere 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

Cg = 300, 600, 800, 1200, 2000, 2900 and 3500 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

Whittaker

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12838 Saticoy Street, North Hollywood, CA 91605
Phone (818) 765-8160 Fax (818) 759-2190
www.turbineequipment.com

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C422355 – Key Dimensions

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES.

