



For Best Flow Measurements Differential Pressure (DP) should be between 0.5 - 5.0

If DP < 0.5
Use a Smaller Size Plate

If DP > 5.0
Use a Larger Size Plate

The optimal flow rate is obtained when Differential Pressure (DP) is between 0.5 inch WC and 5.0 inch WC. Use the smallest plate that will provide a measurable reading of at least 0.5 inch WC and less than 5.0 inch WC to minimize flow restrictions that can result in wasted energy.

Optimal Flow Range Charts

How to Change Quick-Change™ Orifice Plates

- STEP 1.** Loosen collar with a quarter-turn
- STEP 2.** Change plate
- STEP 3.** Tighten collar and replace dust cover

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Orifice Plate Flow Calculator

Temperature

Differential Pressure

Temp (F)

CH4/CO2 Ratio (60/40) or AIR

Delta P (inch-H2O)

Applied Vac (inch-H2O)

Pipe Size 2-inch

Plate Size (inch) = (pipe) 1.00 (2)

Calculate Flow

Results

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Online Orifice Plate Flow Calculator

Use this guide or go online to see which orifice plate best suits your need.

www.qedenv.com/orpcalculator

QED Environmental Systems Orifice Plate Selector Guide