Optimal Flow Range Charts

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 measureable 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.

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

1.25" WELLHEAD

PLATE	Optimal Range in scfm	
.26"	0.7	2.2
.50"	2.6	8.2
.75"	6.2	19.6
.95"	11.4	36

2" WELLHEAD

PLATE	Optimal Range in scfm	
.40"	1.6-5.2	
.50"	2.6	8.2
.75"	5.9	19.6
1.00"	10.7	33.8
1.25"	17.7	56
1.40"	23.7	75

3" WELLHEAD

PLATE	Optimal Range in scfm	
1.25"	16.4	51.8
1.75"	33.9	107.2
2.10"	53.5	169

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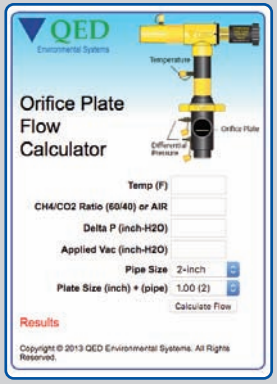

Online Orifice Plate Flow Calculator

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

www.qedenv.com /orpcalculator

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

QED LandFill Gas Products
Environmental Systems

800-624-2026

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