

NEW COLOR-CODED ORIFICE PLATES Exclusively from QED

# Quick-Change™ Orifice Plates



Get control of your flow measurements with new color-coded orifice plates available for QED's 2" wellhead.

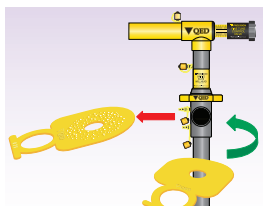
Quick-Change™ Orifice Plates are the only flow measurement device that allows adjustment of differential pressure for accurate flow measurements without opening the well. Unlike other flow devices where you cannot see the plate size or even if there is a plate in place, QED's Quick-Change™ Orifice Plate Wellhead (U.S. Patent Number 8,800,597 & Patents Pending) allows for quick and easy verification of the condition and cleanliness of the

installed plate without removing the wellhead. And now QED offers color-coded, fiber reinforced nylon orifice plates for their 2" Quick-Change Wellhead.

These new plates are lighter in weight, so you can carry them through the field in your pocket. And, they have less heat transfer to help avoid finger burns on hot wells.



**No Need to Open the Well**  
QED's Quick-Change Orifice Plates allow for accurate measurements without removing the wellhead.



**Easy Cleaning**  
Just open the collar with a half-turn, remove the plate and wipe off, replace the clean plate.

2" WELLHEAD	
PLATE	Differential Range in inches
40"	1.65-2
50"	2.6-3.2
75"	5.9-19.6
1.00"	10.7-33.8
1.25"	17.7-56
1.40"	23.7-75

**Accurate Flow Readings**  
With orifice plates you can achieve the proper differential pressure range to obtain accurate flow readings.



**Orifice Plate Flow Calculator**  
Use QED's online calculator to determine the best orifice plate for your site conditions. [www.qedenv.com/orpcalculator](http://www.qedenv.com/orpcalculator)



*Innovative Environmental Products*

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# Quick-Change™ Orifice Plates



## Changing and Cleaning Orifice Plates

Quick-Change Orifice Plates can be changed in seconds. It's as easy as 1, 2, 3: just release the winged collar with a half-turn, remove and wipe off the orifice plate, replace clean plate and tighten the collar with another half-turn. Using the right size orifice plate provides better data, and helps you avoid common errors in flow calculations.

## Quick-Change™ Orifice Plate Advantages

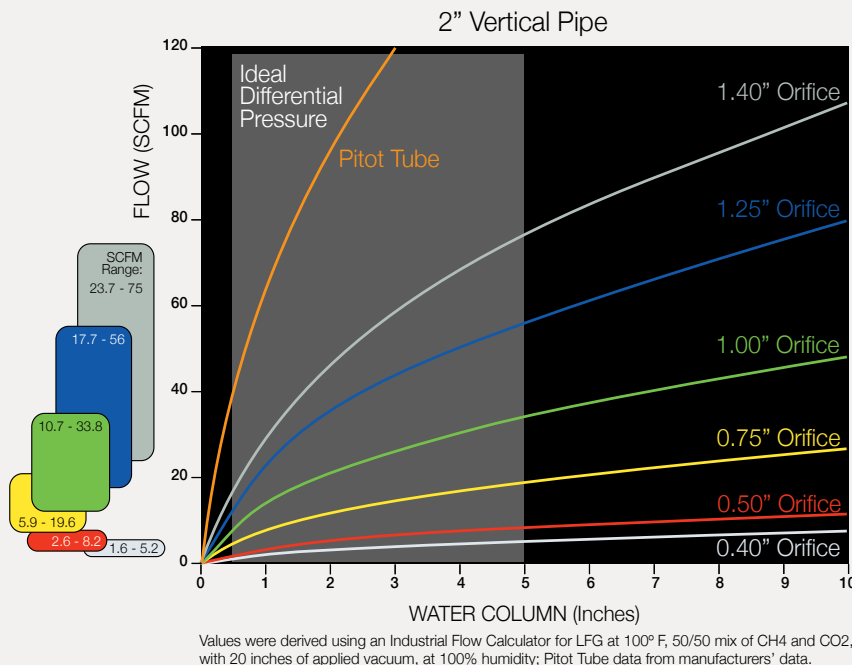
- Quick adjustments for accurate differential pressure and flow rates
- Only flow measurement device that allows easy verification of plate condition
- Easier to differentiate the labeled, color-coded plates even outside the well
- Lighter weight
- Helps avoid finger burns on hot wells

## Performance of Pitot Tubes vs. Orifice Plates

Pitot tube wellheads do not generate sufficient pressure drop in many wells to get an accurate measurement with common LFG instruments.

For 2" pitot tube wellheads, 0.5" water column pressure drop is not achieved until 40 SCFM.

Orifice plate wellheads have the advantage of matching the plate size to achieve the desired pressure drop at any flow rate.



## Orifice Plate Selector Guide

This handy Selector Guide can be folded up and kept with you in the field. Download the Guide or request a printed version at: [www.qedenv.com/landfills](http://www.qedenv.com/landfills)

### Set of 6 Nylon plates:

- 0.40" (10 mm)
- 0.50" (13 mm)
- 0.75" (19 mm)
- 1" (25 mm)
- 1.25" (31 mm)
- 1.40" (35 mm)

Model Number: 40770



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