Precision Fine Tune Control Valve (2 in.) Instructions

The QED Precision Fine Tube Control Valve is a metered rising stem, angle globe valve. The Valve has been designed to allow fine tuning of the gas flow from landfill gas collection wells, especially at very low gas flow rates. The rising stem valve exposes more of the metered scale as it is opened, allowing the customer to see and record, numerically, exactly how far open the valve is.

Installation:

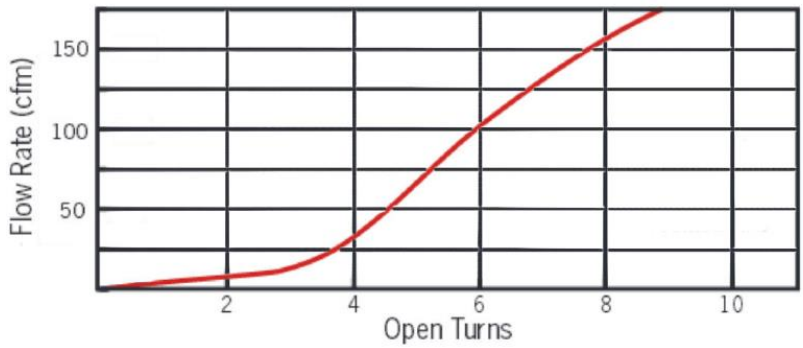
The valve will work in any orientation, regardless of which pipe port is connected to the intake gas.

Operation:

Turn the valve handle counterclockwise to open. As the valve is opened, the yellow metered label will expose, indicating the relative position of the valve. The chart below shows the approximate gas flow rate (at 40 in. water column vacuum) that can be expected for a given number of turns of the valve from the closed position.

Specifications:

Recommended Pressure: 5 psi.
Maximum Temperature: 200 ˚F (93.3 ˚C)
Flow at 40 in. wc vacuum: 200 scfm
Materials: 304 SS, Glass-filled polypropylene, Viton



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Reinforced Nylon Orifice Plates

40770 – 2 Inch Orifice Plate Kit:

Model	Hole Size	Optimal Flow Range*	Color
40771	0.40 (1.01 cm)	1 – 5 scfm	White
40772	0.50 (1.27 cm)	2.5 – 8 scfm	Red
40773	0.75 (1.90 cm)	6 – 19 scfm	Yellow
40774	1.00 (2.54 cm)	11 – 34 scfm	Green
40775	1.25 (3.18 cm)	18 – 56 scfm	Blue
40776	1.40 (3.56 cm)	24 – 75+ scfm	Grey

QED's Quick-Change Orifice Plates are constructed of 1/16" SS or Fiber reinforced nylon. With several sizes of orifice plates available, it is easy to select the right plate for the appropriate pressure drop allowing for accurate flow measurements.

Stainless Steel Orifice Plates for Vertical Wellheads

40747 – 1.25 Inch Orifice Plate Kit:

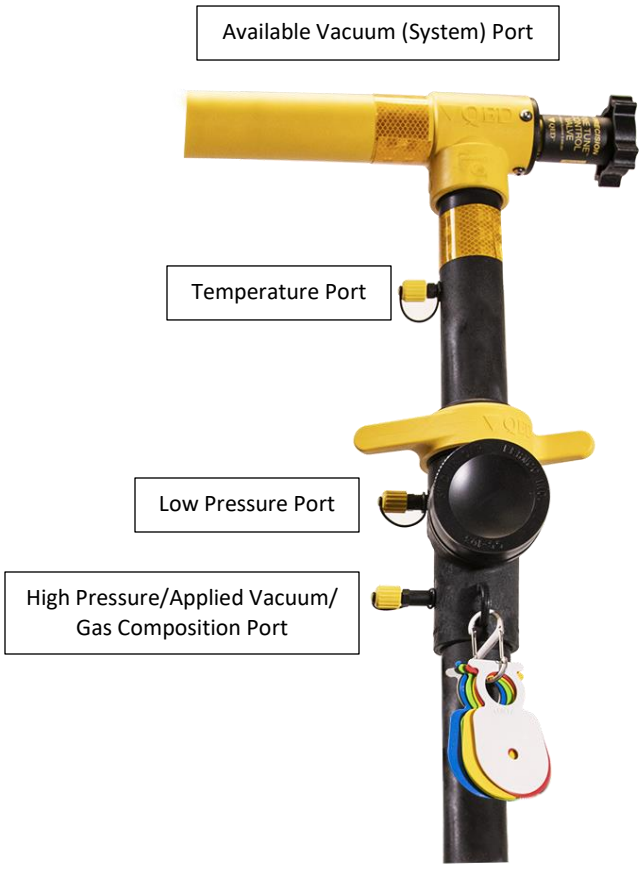
Model	Hole Size	Optimal Flow Range*
40745	0.26 (0.66 cm)	0 – 2.5 scfm
40642	0.50 (1.27 cm)	2.5 – 8 scfm
40643	0.75 (1.90 cm)	6 – 20 scfm
40746	0.95 (2.41 cm)	12 – 36+ scfm

40640 – 2 Inch Orifice Plate Kit:

Model	Hole Size	Optimal Flow Range*
40641	0.40 (1.01 cm)	1 – 5 scfm
40642	0.50 (1.27 cm)	2.5 – 8 scfm
40643	0.75 (1.90 cm)	6 – 19 scfm
40644	1.00 (2.54 cm)	11 – 34 scfm
40645	1.25 (3.18 cm)	18 – 56 scfm
40646	1.40 (3.56 cm)	24 – 75+ scfm

40660 – 3 Inch Orifice Plate Kit

Model	Hole Size	Optimal Flow Range*
40664	1.25 (3.18 cm)	16 – 52 scfm
40666	1.75 (4.45 cm)	34 – 107 scfm
40668	2.10 (5.33 cm)	54 – 170+ scfm



Stainless Steel orifice Plates for Horizontal Wellheads

40690 – 2 Inch Orifice Plate Kit:

Model	Hole Size	Optimal Flow Range*
40691	0.40 (1.01 cm)	1 – 5 scfm
40692	0.50 (1.27 cm)	2.5 – 8 scfm
40693	0.75 (1.90 cm)	6 – 19 scfm
40694	1.00 (2.54 cm)	11 – 34 scfm
40695	1.25 (3.18 cm)	18 – 56 scfm
40696	1.40 (3.56 cm)	24 – 75+ scfm

*For best practice and most efficient operation, use the next smaller orifice plate when the pressure differential is less than 0.5 inches of water column; Use the next larger orifice plate when the pressure differential is greater than 5 inches of water column.

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