OMG

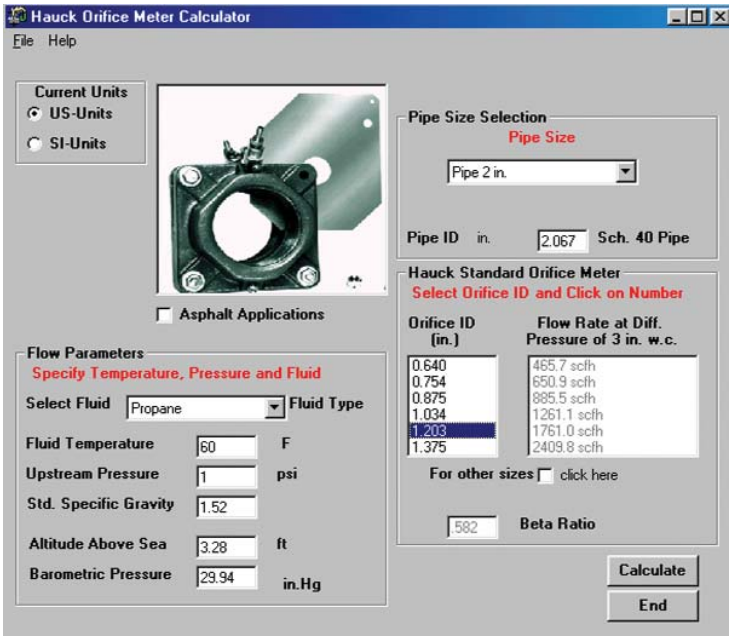
Orifice Meters

OMG-1
Edition 11-11

- Rugged industrial construction provides for economical flow metering with highly accurate results
- Available in weld-in or threaded (NPT or metric) designs
- Simple orifice plate replacement with only one bolt
- Variety of orifice bore sizes available and conveniently marked on the orifice plate
- Designed in accordance with ASME flow measurement standards
- Easy to use and install

Hauck OMG orifice meters offer a simple, economical means to measure air and gas flow on industrial combustion applications. They are designed for use in the most demanding and harsh installations. Threaded and weld-in connection options and an extensive variety of orifice bore sizes make the OMG ideal for individual burner metering and total system metering. For example, on large multi-burner installations, an OMG can be installed at each burner's air and gas connection and in the main air header or gas manifold for the furnace.

The rugged construction of the OMG series orifice meters allow pressure up to 25 psig (172kPa) for the 3/8" to4" size (DN 10 to 100). The 6" through 28" (DN 150 to 700) sizes are suitable for 10 psig (69 kPa) service. All OMG components are suitable for temperatures up to 250°F (121°C). Consult Hauck for higher pressure and temperature applications.



Orifice meter sizing using Hauck's e-Solutions for Combustion® software.

OMG assemblies not only provide accurate flow measurement, but also offer the convenience of servicing as an auxiliary union connection in the piping. An OMG may be installed in any position provided the location chosen ensures easy access to both pressure cocks and sufficient clearance exists to remove the orifice plate. For maximum accuracy, use 10 pipe diameters upstream and 5 pipe diameters downstream of the OMG.

Hauck's e-Solutions for Combustion® software can be used to assist in proper orifice meter and plate selection. The software will calculate the flow of any given gas (natural, propane, butane, coke oven, and landfill gas or air) under varying conditions. To properly select an orifice plate, the gas temperature, upstream pressure, gas type and pipe size must be known. e-Solutions will determine gas flow at a given differential pressure across the orifice plate.

For additional information on this product, visit our website at:

www.hauckburner.com

Hauck Manufacturing Company
POB 90
Lebanon, PA 17042

T +1 717-272-3051
F +1 717-273-9882
info@hauckburner.com