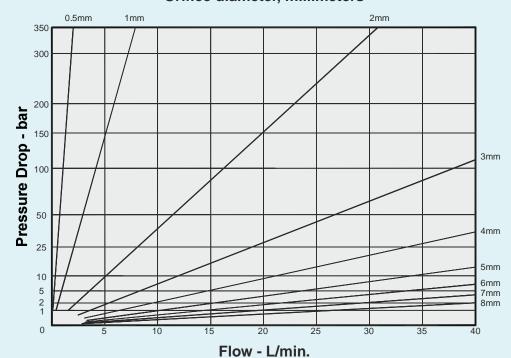# Orifice Pressure Drop Data

No allowance has been made for viscosity effects, or regain of pressure downstream.

Orifice diameter, millimeters

These charts are based on the formula:

$$Q = {}_a A\sqrt{\frac{2AP}{r}}$$

where:
Q = Flow m^3/sec.
$_a$ = orifice coefficient
A = orifice dia. cm^2
$\triangle P$ = pressure drop N/m^2
$_r$ = density Ns^2/m^4

This equation becomes:
Q(l,min) = 0.4212 x d^2 (mm) $\sqrt{\text{pressure drop (bar)}}$
when c = 0.6
$_r$ = 0.9g/cm^3

Orifice diameter, millimeters