KOMAX STATIC MIXER DESIGN

Use the following three simple steps to solve most turbulent flow mixing problems.

1. Calculate the Reynolds number Re from $Re = 3157QS\mu D$, and velocity form $V = .408Q/D^2$ feet/sec. where Q = flow rate in US gpm, S = specific gravity, μ = viscosity in cp, and D = pipe inside diameter in inches.
2. Enter the first graph at the calculated velocity , and move up to the calculated Reynolds number region. Now, move horizontally to the left and read the required number of elements. Round to the nearest upper number.
3. Enter the next graph at the velocity value and move up to the line corresponding to the number of elements. Move horizontally left to read the basic pressure drop. Correct the specific gravity and viscosity.