For N_{re} Less than 3,162:

$$Q_{IV} = 0.0060639 \left[\frac{\mu}{C^{0.4242}}\right] \left[\frac{P_S M_W}{T_s}\right]^{-0.5759} \left[\frac{1}{D_{50}}\right]^{0.8481} \qquad \text{(Eq. 8)}$$

For N_{re} greater than or equal to 3,162:

$$Q_{IV} = 0.07657 \left[\frac{\mu}{C^{0.6205}}\right] \left[\frac{P_S M_W}{T_s}\right]^{-0.3795} \left[\frac{1}{D_{50}}\right]^{1.241} \qquad \text{(Eq. 9)}$$