

B. FRICTION LOSS TABLES. PLASTIC PIPE

(Courtesy of Uralita)

To use the tables you need to know what material you're working with, the maximum pressure, and the type of water you'll be transporting (clean/dirty). For a flow of 0.02 l/s, an HDPE of 25mm at 16 bar, carrying clean water ($k=0.01$), has a head loss of 0.6 m/km.

25 - PN 16		CLEAN WATER: $K=0.01$
Head loss (m/km)	Q (l/s)	V (m/s)
0.50	0.018	0.06
0.60	0.020	0.06
0.70	0.022	0.07

J, head loss; Q, flow and V, velocity.

Important: head loss varies somewhat from one manufacturer to another. If a manufacturer provides you with reliable data, use this instead.