

**Table 3** Hydraulic properties and parameters for three types of soil textures

Type	Effective porosity	Wetting front soil suction head (m)	Bubbling pressure (m)	Pore-size distribution index	Range of Hydraulic conductivity (m/s)
Sand	0.417	0.0495	0.0726	0.694	$10^{-6}$ - $10^{-4}$
Silt loam	0.486	0.1668	0.2076	0.234	$10^{-7}$ - $10^{-5}$
Clay loam	0.390	0.2088	0.2589	0.242	$10^{-8}$ - $10^{-6}$