

Table LBW5.2: Design and evaluation criteria - Flow and pressure

Flow Condition			Min./Max. Pressure (m)	Absolute Min./Max. Pressure (m)
Peak hour demand - min.			20 to 24	16 to 20
Static (no demand) - max.			90	120
Fire flow (@ peak hour demand)			See below	
Area where fire occurs	Total fire flow (ℓ/s)	Flow at hydrant (ℓ/s)	Min. pressure at fire (m)	Min. pressure rest of system (m)
Industrial/business:				
- High risk	100 to 200	25	10 to 15	10
- Moderate risk	50 to 100	25	10 to 15	10
Residential:				
- High rise flats	50 to 100	25	10 to 15	10
- Cluster housing > 30 units/ha	50	25	7 to 10	5
- Cluster housing < 30 units/ha	25	25	7	5
- Low density single residential	15	15	5	5
- Medium density single residential	9	9	3	5
- High density single residential	6	6	3	5