

INSTALLATION VOLUME (IV) AND PURGE VOLUME (PV) DOMESTIC COPPER PIPEWORK

Diameter (mm)	Individual lengths (m)	Total length (m)	Cross-sectional area (m ²)	Volume (m ³)
35			× 0.00084	
28			× 0.00054	
22			× 0.00032	
15			× 0.00014	
		IV_{pipes}		m ³
		IV_{fittings} = IV_{pipes} × 0.1		m ³
		E6	0.0024 m ³	m ³
		U6 / G4	0.008 m ³	
		U16 / G10	0.025 m ³	
		IV_{meter}		
		IV_{total} = IV_{pipes} + IV_{fittings} + IV_{meter}		m ³ <small>(maximum 0.035 m³ for domestic)</small>
		If <u>all</u> pipes ≤ 28 mm <u>and</u> meter ≤ 6 m ³ / h	PV = 0.010 m³	m ³
		If <u>any</u> pipes > 28 mm <u>or</u> meter > 6 m ³ / h	PV = IV_{total} × 1.5	