

Installation Volume (IV) and Purge Volume (PV) calculation sheet for domestic copper pipe

Pipe size	Lengths (m)	Total length (m)	x m ³ per m	Volume (m ³)
35 mm			0.00084	
28 mm			0.00054	
22 mm			0.00032	
15 mm			0.00014	
Installation Volume of pipework = IV_{pipework} (m³)				

IV_{pipework} (m³)		PV_{pipework} = 1.5 x IV_{pipework} (m³)	
IV_{fittings} = 10% IV_{pipework} (m³)		PV_{fittings} = 1.5 x IV_{fittings} (m³)	
IV_{meter} (m³)*		PV_{meter} (m³)*	
IV_{total} (m³)		PV_{total} (m³)	

Round up final answers to 2 significant figures

*Use the following figures for the Installation and Purge Volumes of the gas meter:

Meter type	IV _{meter} (m ³)	PV _{meter} (m ³)
E6	0.0024	0.0036
U6 / G4	0.008	0.01
U16 / G10	0.025	0.03