

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

Diameter (mm)	Individual lengths (m)						Total length (m)	x Cross-sectional area (m <sup>2</sup> )	= Internal volume (m <sup>3</sup> )
35								. 00084	
28								. 00054	
22								. 00032	
15								. 00014	
<b>IV<sub>pipes</sub></b>									m <sup>3</sup>
<b>IV<sub>fittings</sub> = IV<sub>pipes</sub> × 0.1</b>									m <sup>3</sup>
E6		. 0024 m <sup>3</sup>		<b>IV<sub>meter</sub></b>					m <sup>3</sup>
U6 / G4		. 008 m <sup>3</sup>							
U16 / G10		. 025 m <sup>3</sup>							
<b>IV<sub>total</sub> = IV<sub>pipes</sub> + IV<sub>fittings</sub> + IV<sub>meter</sub></b>									m <sup>3</sup> <small>(maximum 0.035 m<sup>3</sup> for domestic)</small>
If <u>all</u> pipes ≤ 28 mm <u>and</u> meter ≤ 6 m <sup>3</sup> / h						<b>PV = 0.010 m<sup>3</sup></b>			m <sup>3</sup>
If <u>any</u> pipes > 28 mm <u>or</u> meter > 6 m <sup>3</sup> / h						<b>PV = IV<sub>total</sub> × 1.5</b>			