

Tightness test and Purging

U16 meter – IVm – 0.025 m^3

6 mtrs of 35 mm copper pipe – $6 \times 0.00084 = 0.00504 \text{ m}^3$

15 mtrs of 22 mm copper pipe – $15 \times 0.00032 = 0.0048 \text{ m}^3$

3 mtrs of 15 mm copper pipe – $3 \times 0.00014 = 0.00042 \text{ m}^3$

Total pipework volume = 0.01026 m^3

0.01026 m^3 x by 1.1 for fittings

Total pipe & fittings = 0.011286 m^3

Total volume = $0.025 \text{ m}^3 + 0.011286 \text{ m}^3$

= 0.036286 m^3

Purge

1.5 X Total volume = $1.5 \times 0.037 \text{ m}^3$

Total = 0.056 m^3

Now do the following

G4 meter – IVm – m³

11 mtrs of 22 mm copper pipe – = m³

5 mtrs of 15 mm copper pipe – = m³

Total pipework volume = m³

m³ x by 1.1 for fittings

Total pipe & fittings = m³

Total volume = m³ + m³

= m³

Purge

1.5 X Total volume = 1.5 X m³

Total = m³

G4 meter – IVm – m³

2 mtrs of 22 mm copper pipe – = m³

3 mtrs of 15 mm copper pipe – = m³

Total pipework volume = m³

m³ x by 1.1 for fittings

Total pipe & fittings = m³

Total volume = m³ + m³

= m³

Purge

1.5 X Total volume = 1.5 X m³

Total = m³