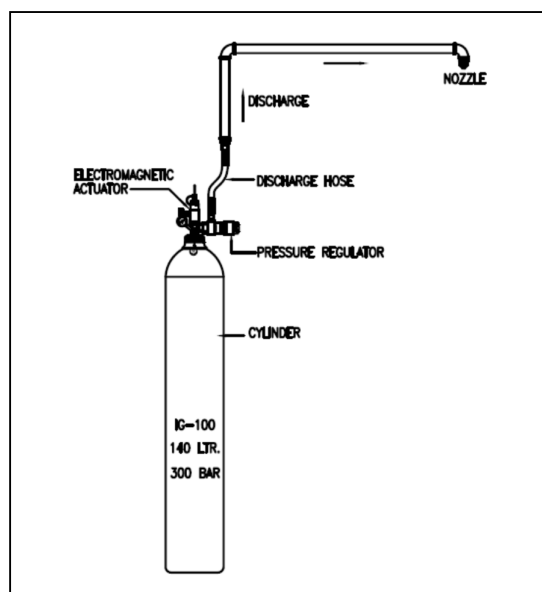
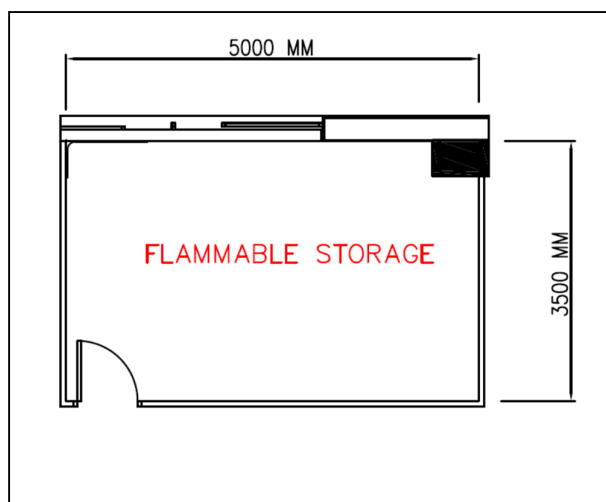


IG-100 DESIGN EXAMPLE – FLAMMABLE STORE PROTECTION,

TOTAL FLOODING, MODULAR SYSTEM



Protected hazard	: Flammable storage, Class 'B' fire
Extinguishing agent	: INERT GAS, IG-100
Design concentration	: 40.47%
Design temperature	: 20°C
Flooding Factor	: 0.605Kg/Cu.M
Room Size	: Length, Width & Height : 5 x 3.5 x 3.5m
Volume	: 61.25 Cu.M
Altitude correction	: 1 (check elevation above sea level for correction factor)
Gas Quantity	: Room Volume x Flooding Factor : 61.25 m ³ x 0.605 kg/m ³ : 37.05 » 38kg
Cylinder pressure, Capacity	: 300 bar, 140 ltr.
Cylinder capacity	: 140 ltr.
Cylinder filling	: 43.19 kg
Hence	: 38 kg/43.19 kg : 1 no. 140 L, 300 bar cylinder selected