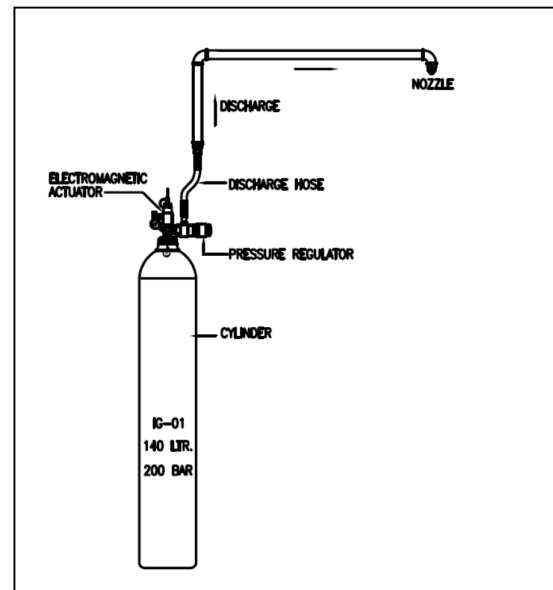
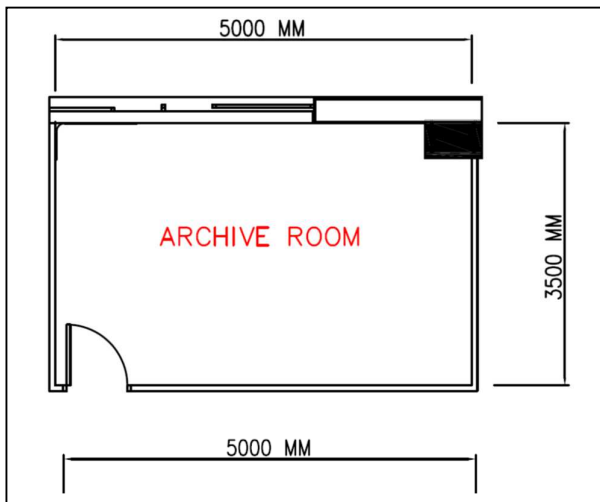


IG-01 DESIGN EXAMPLE – ARCHIVE ROOM PROTECTION,

TOTAL FLOODING, MODULAR SYSTEM



Protected hazard	: ARCHIVE ROOM, Class 'A' fire
Extinguishing agent	: INERT GAS, IG-01
Design concentration	: 36.84%
Design temperature	: 20°C
Flooding Factor	: 0.763Kg/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 0.763 kg/m ³ : 46.73 » 47Kg
Cylinder pressure, Capacity	: 200 bar, 140 ltr.
Cylinder capacity	: 140 ltr.
Cylinder filling	: 49.88 kg
Hence	: 47kg/49.88 kg : 1 no. 140 L, 200 bar cylinder selected