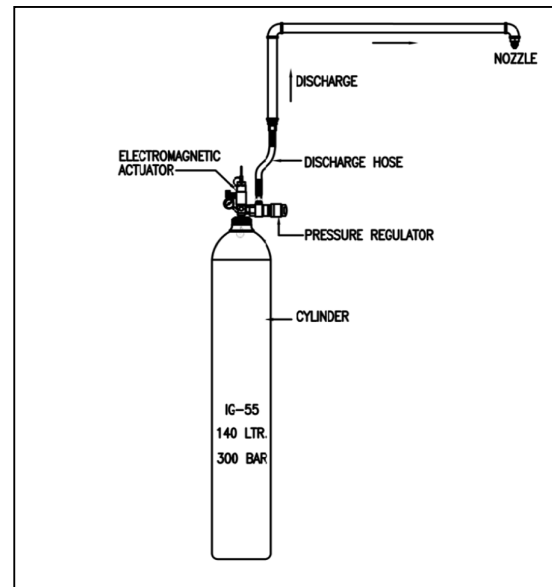
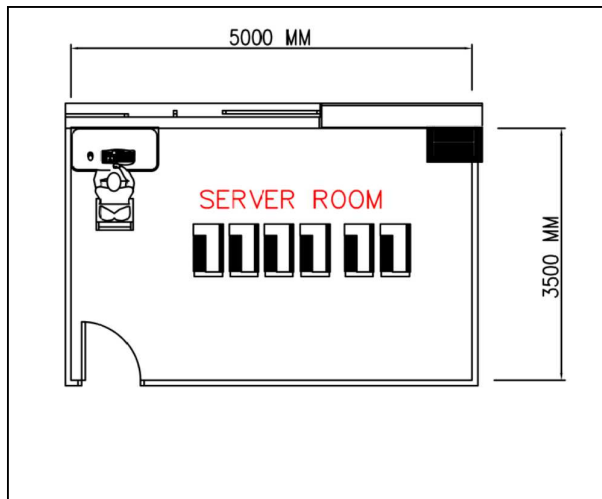


## IG-55 DESIGN EXAMPLE – SERVER ROOM PROTECTION,

### TOTAL FLOODING, MODULAR SYSTEM



Protected hazard	: Server room, Class 'C' fire
Extinguishing agent	: INERT GAS, IG-55
Design concentration	: 43.59%
Design temperature	: 20°C
Flooding Factor	: 0.809Kg/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 <sup>3</sup> x 0.809 kg/m <sup>3</sup> : 49.55 » 50kg
Cylinder pressure, Capacity	: 300 bar, 140 ltr.
Cylinder capacity	: 140 ltr.
Cylinder filling	: 56.26 kg
Hence	: 56.26 kg/50 kg : 1 no. 140 L, 300 bar cylinder selected