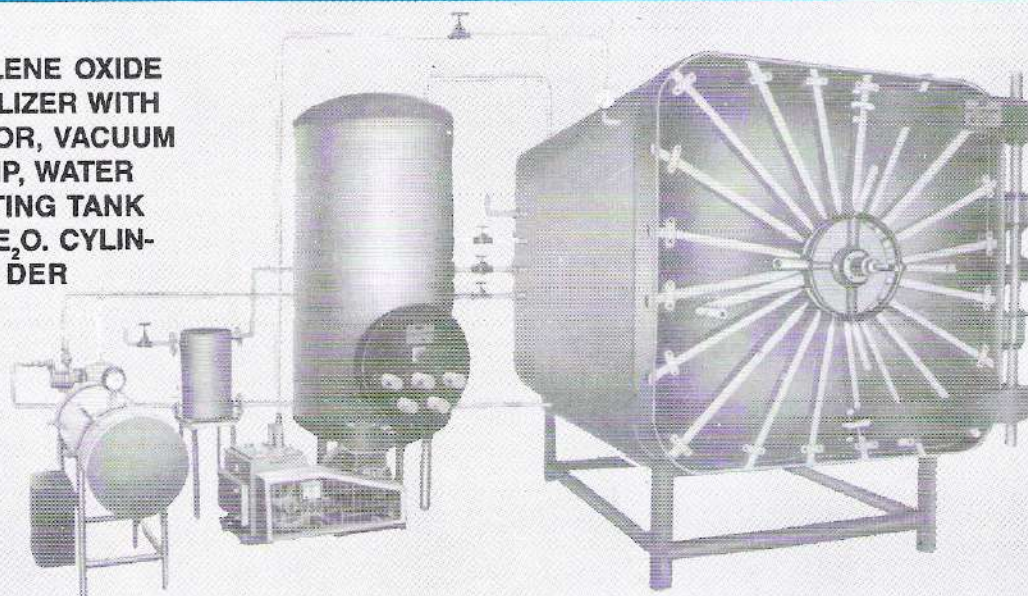


# INSTECH ETHYLENE OXIDE STERILIZATION SYSTEM

**ETHYLENE OXIDE  
STERILIZER WITH  
AERATOR, VACUUM  
PUMP, WATER  
HEATING TANK  
AND E<sub>2</sub>O. CYLIN-  
DER**



## **E<sub>2</sub>O STERILIZER**

Designed for different gas mixtures meant for heat sensitive materials like disposable syringes, gloves & I.V. Sets catheters, including agro products & granulated matter.

Lethal concentration of E<sub>2</sub>O during over pressure cycle for lean mixtures and vacuum cycle for rich mixtures is ensured. RH, Temperature and Exposure time are other important parameters monitored closely. Steam vacuum pulsing is followed by humidification hold and sterilization hold followed by air washes to minimise residual E<sub>2</sub>O in the load. Working pressure 1.36kg/cm<sup>2</sup> (20 p.s.i.g.) and full vacuum.

Double gasket to eliminate any leakage. Jacket heating is achieved by hot water circulation or immersion heaters fitted in the jacket directly. Complete with vacuum pump, gas evaporator & aerator.

### **PIPING :**

All piping is fabricated from S.S. 316/304. The basic piping will be flanged type with stub ends. The flanges are as per B.S. Table "F". The sensor connections are screw type. All necessary fittings, instruments and gauges are as per scope of supply.

### **ACCESSORIES :**

#### **i) Carriages :**

For loading and unloading the goods to be sterilized to ensure ease of operation.

S.S. carriage for variable positions for accomodating goods of different heights for shelves

The carriage shelves are either made from perforated S.S. sheets or S.S. crimped/welded wire mesh. The specially shaped wheels with sealed bearings which are impregnable to steam ensure smooth movement and safe operation. Normally one shelf is provided per foot height of the chamber.

#### **ii) Trolleys :**

Made from sturdy M.S./S.S. tubular and other rolled sections. Trolleys are basically made in two parts. The top frame is adjustable to get aligned with chamber rails. The bottom portion has heavy duty castor wheels (swivelling type) for good manoeuvrability. The carriage can be securely locked to trolley and trolley can be locked to sterilizer for operational safety.

#### **iii) Steam Generator :**

These are fitted with industrial immersion heaters, low water cut off and over pressure safety. (Available upto chamber size of 850 Ltrs.)

#### **iv) Automation :**

Micro processor based PLC system alongwith solonoid valves Auto diagnostics for mal functioning and normal operation

#### **v) Flush Mounting :**

Manufactured from S.S. 304, for isolation of sterile side Double Door optionally available

### **SCOPE OF SUPPLY :**

The units are equipped with necessary gauges, valves, internal piping, fittings and will be delivered in ready-to-use condition. The client has to provide necessary Steam, Water, Air inputs and Electricity at right locations and appropriate flow rate, pressure etc. The outgoing line such as condensate, drain, exhaust etc., also to be provided by the client. Pressure reducing valves, Thermographs, Flush mounting, Thermal lock etc. are optional and at extra cost.

Ask for detailed techno-commercial proposal:

## **INSTECH SYSTEMS**

9144/3, Multani Dhanda, Pahar Ganj, New Delhi-55  
Phone : 23629334, 9811708648 Fax : 91-11-23552634  
E-mail : instech\_systems@yahoo.com