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## *Other Design Aspect*

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# Outline

- Introduction
- Drainage system for Dairy plants
- Floors traps for dairy floors
- Design consideration for drainage system of Dairy plant
- Ventilation, illumination and fly control
- Paint coating and mold prevention



## Introduction

### Drainage system for dairy plants

1. Select the most appropriate type of drains and entire system considering hygienic conditions.
2. Use the drains which can be cleaned easily.
3. Provide adequate number of drains considering the maximum flow of water.
4. Regular cleaning of sanitary drains is recommended to avoid chocking of drainage system.

### Floor traps for dairy floors

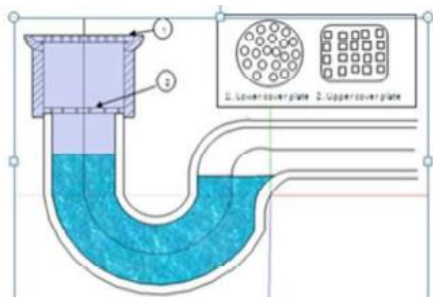
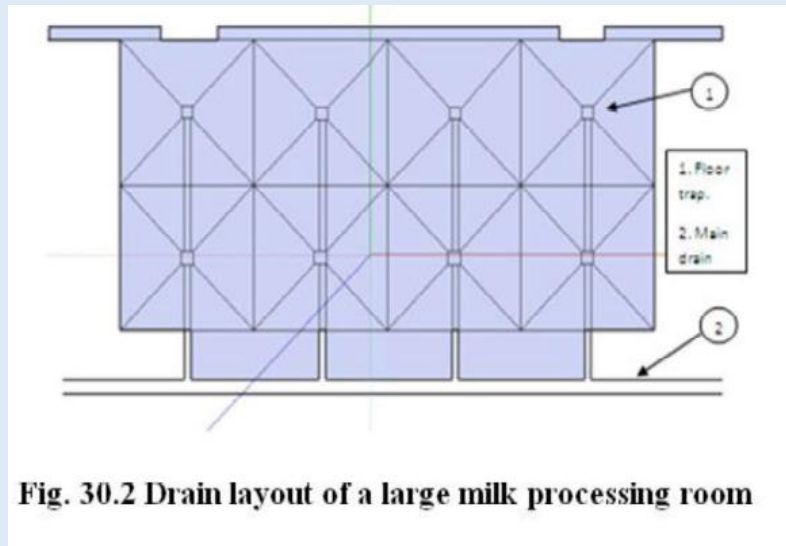


Fig. 30.1 Floor trap with cover plates



## Design consideration for drainage system of dairy plant



**Fig. 30.2 Drain layout of a large milk processing room**



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# Ventilation, Illumination and fly control

## **Objective**

## **Methods**

**Natural Ventilation**

**Mechanism ventilation**

**Maintenance of ventilating system**

**Illumination**

**Requirements of good lighting**

**Types of light**

**Fly control by air curtain**



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## Paint coating and mold prevention

The objectives of painting are as under.

- It protects the surface from weathering effects and effect of other gases and fumes.
- It prevents decay of wood and wood based products.
- It prevents corrosion in metals used in dairy plants.
- It gives good appearance to the surface.
- Painting makes the surface smooth for easy cleaning.
- It makes the surface hygienically good, clean and attractive.



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Thank you