

High Throughput Drum Filling

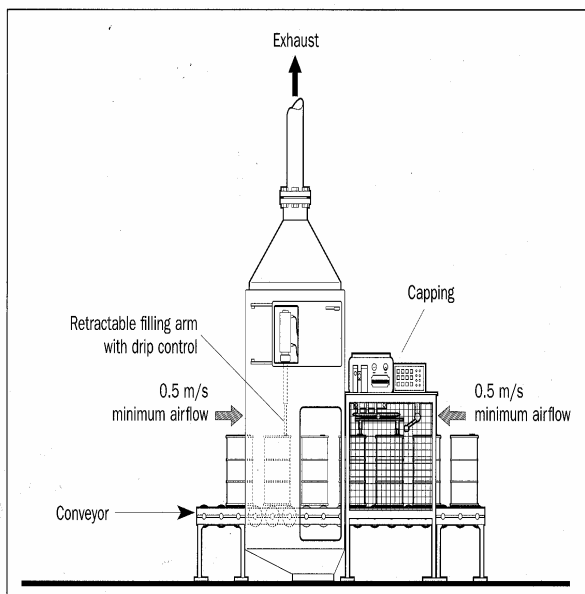
SCOPE

This control sheet is part of the ILO Chemical Control Toolkit and should be used when the toolkit identifies that a control approach 3 solution is needed. The sheet gives good practice advice on high throughput drum filling and describes the key points you have to follow to reduce exposure to an adequate level. It is important that all the points are followed. Some chemicals are flammable or corrosive and your controls must be suitable for those hazards too. Look at the safety data sheet for more information. This sheet identifies the minimum standards you need to apply to protect your health. It should not be used to justify a lower standard of control than that which may be required for process control or control of other risks.

ACCESS

- Keep unnecessary people away from the work area. Ensure that no one is working close by downwind.

DESIGN AND EQUIPMENT



- Locate the equipment in a well ventilated area.
- Design the equipment for ease of cleaning and maintenance.
- Enclose the drum filling and capping area as fully as possible.
- Keep all openings as small as possible and provide flexible curtains at the conveyor drum feed and removal points.
- Provide sufficient extraction to ensure an inward airflow of at least 0.5 metres/second at all openings.
- Use a load cell or metered flow to prevent overfilling.
- Ensure a drip collector is fitted to the filling arm.
- Provide spillage containment for the filling area.
- Provide good lighting.
- For flammable liquids, ensure all electrical equipment is suitably flameproof and that all equipment is appropriately bonded and earthed.
- Discharge extracted air to a safe place away from doors, windows and air inlets