

Transferring Solids

SCOPE

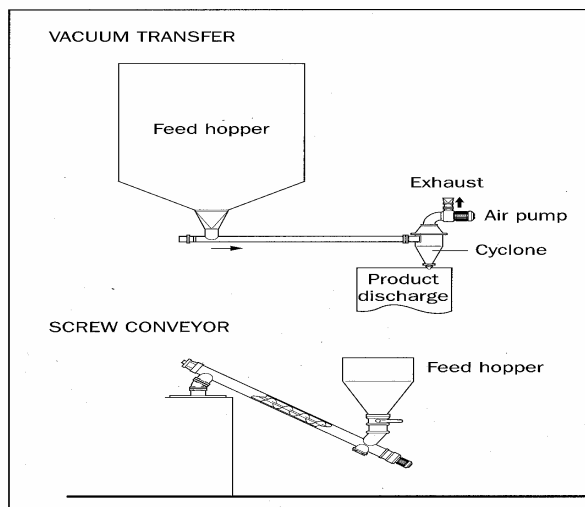
This control sheet is part of the ILO Chemical Control Toolkit and should be used when the toolkit identifies that a control approach 3 solution is needed. The sheet gives good practice advice on transferring solids and describes the key points you have to follow to reduce exposure to an adequate level. 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

- Use transfer systems applicable to closed systems such as vacuum transfer or screw conveyor.



- Ensure the system is free of leaks and all joints have suitable seals.
- Take account of possible abrasion from the solids being handled and ensure suitably robust materials are used.
- Consider how to deal with blockages without breaching the integrity of the closed system e.g. vibrating pads or air jets.
- Consider the need for explosion relief for combustible solids and ensure equipment is appropriately bonded and earthed.
- Design the system in sections, with slides or isolators to allow safe and easy access for cleaning and maintenance.
- Provide an easy way of checking the control is working.
- Discharge the extracted air to a safe place outdoors.