

Direct Unloading from bulk silo/ container into small receptacles (Octabins/ Big Bags..)

In some cases, drivers are requested by customers to unload their bulk truck partly or completely into small receptacles (Octabins, Big Bags, boxes etc..).

Sometimes, suitable equipment is used whereby this can be done under safe conditions but in other cases, this is done without the right equipment whereby this operation is unsafe in which case INEOS O&P cannot accept this way of unloading.

What are the risks ?

In many cases, the whole operation is done manually whereby the hose has to be kept inside the octabin / Big Bag by the driver. As the hose is under pressure, there is a risk that the hose will jump out of his hands whereby he or other people can become injured and equipment damaged. There has been a case whereby a driver lost control of the hose which began to swing and it destroyed a rain pipe. But there are also other risks like sudden disconnection of the hose under pressure because of continuous opening and closing of a valve at the end of the hose. Other risks can be unsafe working at height (climbing on pile of pallets) and potential spillages.

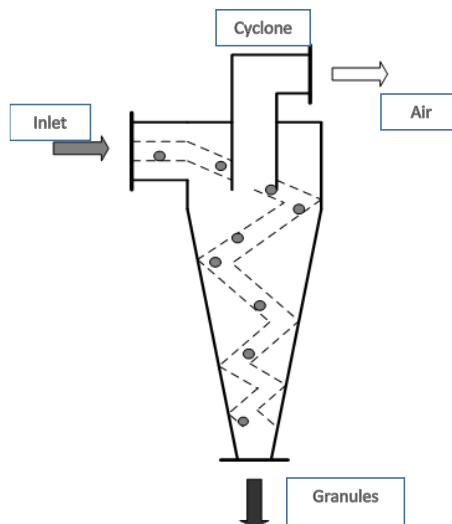
Examples of bad/ unsafe practice:



Minimum requirements for safe unloading into small receptacles

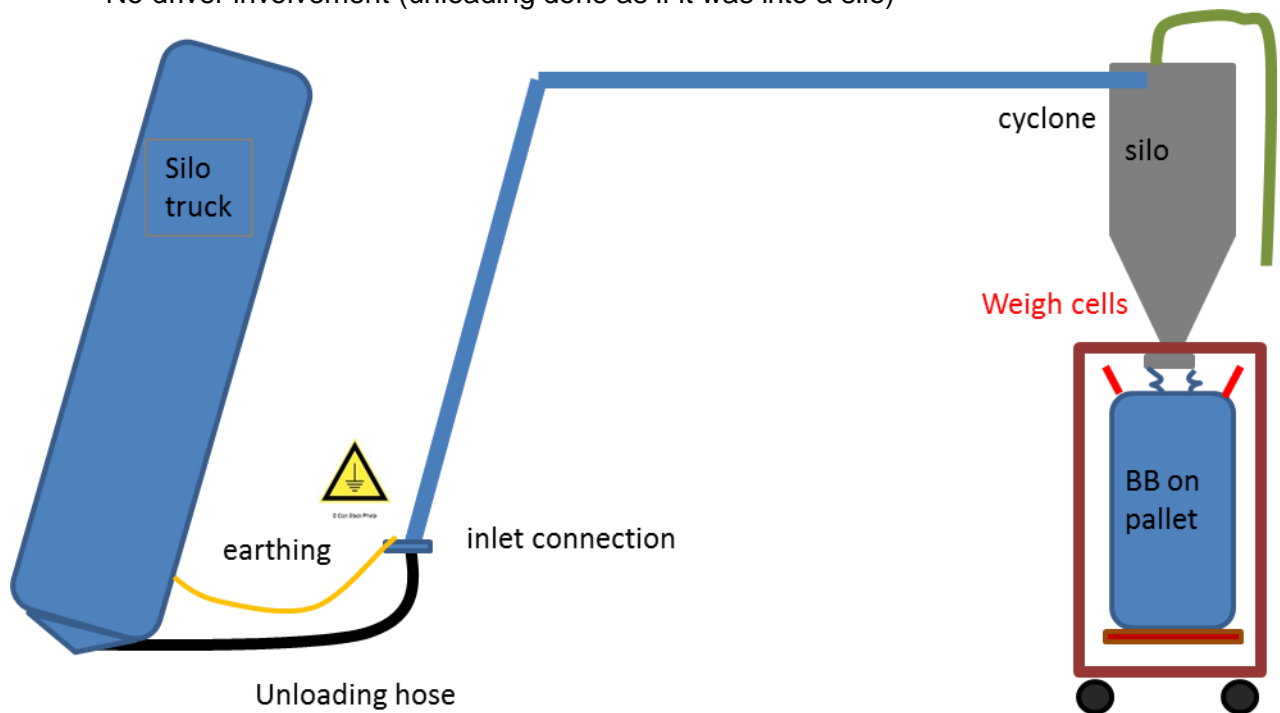
1. The unloading hose of the truck must be connected to a fixed inlet line.
2. At the end of the line there is a cyclone that separates the granules from the compressed air.
3. The octabin/ big bag is placed under the cyclone.
4. To prevent spillages, it is preferred/ recommended that filling is done on a weigh scale or by using weighing cells.
5. The filling operation is done by an operator. The driver is not involved. It is accepted (but not recommended) that the driver is asked to open / close the butterfly valve of his truck between each filling.
6. The line and filling equipment is earthed and the earthing cable of the truck can be connected onto a well indicated earthing plate.
7. INEOS O&P is informed in advance about the unloading into small receptacles and the unloading method is approved on the basis of a checklist (see below) that is completed by the customer.

Example:



Best and safest system for safe unloading into small receptacles

- Fixed line connection
- Earthing
- Intermediate silo allows continuous unloading
- Weighing of Big bags
- No driver involvement (unloading done as if it was into a silo)



Checklist to be filled in prior to a filling into small receptacles – to be sent to INEOS O&P

General	
What volume needs to be filled into small receptacles ?	
Is this an exceptional operation or is it done regularly ?	
Are the Big bags/ octabins weighed during filling ?	
Specific	
1. Do you have a dedicated installation for this ?	
2. Is the unloading hose connected to a fixed line ?	
3. Is there an earthing connection ?	
4. Is there a fixed filling installation with a cyclone ?	
5. Is there an operator to do the filling operation ?	
6. Is the driver involved only to open and close the valve?	
If answer is YES to all specific questions operation is safe.	