

A medium level containment is a physical containment or enclosure of the source of emission. The air within the enclosure is not actively ventilated or extracted. The material transfer is enclosed with the receiving vessel being docked or sealed to the source vessel.

Medium level containment

Examples of medium level containment include sealing heads, transfer containers and multiple o-rings. Inflatable packing head with continuous liner ensures a seal is maintained during the powder transfer and the continuous plastic liner prevents direct contact with the product. The correct type of tie off must be used.



Effectiveness

Mean: 97%

80%

99%

Resources

Wouter Fransman, TNO Quality of Life (The Netherlands) et al., « Development of a mechanistic model for the Advanced REACH Tool (ART) ».

Best Practices

1. The enclosure is not opened during the activity
2. This system should be combined with a local ventilation
3. Depending on the containment size, an adjoining locker rooms could be designed
4. Maintenance and cleaning of the containment should be carefully studied and others risk management measures should be installed for these tasks
5. Workers should be trained