

A low 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 process is contained with a loose lid or cover, which is not air tight.

Low level containment

This includes tapping molten metal through covered launders and placing a loose lid on a ladle. This class also includes bags or liners fitted around transfer points from source to receiving vessel. These include Muller seals, Stott head and single bag, and associated clamps and closures.



Effectiveness

Mean: 75%

30%

90%

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 room
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