

SC Ventilation of Cargo Spaces

89

(Rev.1
1996)
(Rev.2
Nov 2005)
(Rev.3
Feb 2011)

(SOLAS Reg. II-2/19.3.4)

3.4 Ventilation arrangement

3.4.1 Adequate power ventilation shall be provided in enclosed cargo spaces. The arrangement shall be such as to provide for at least six air changes per hour in the cargo space based on an empty cargo space and for removal of vapours from the upper or lower parts of the cargo space, as appropriate.

3.4.2 The fans shall be such as to avoid the possibility of ignition of flammable gas air mixtures. Suitable wire mesh guards shall be fitted over inlet and outlet ventilation openings.

3.4.3 Natural ventilation shall be provided in enclosed cargo spaces intended for the carriage of solid dangerous goods in bulk, where there is no provision for mechanical ventilation.

IMSBC Code Reg. 1.7.29.1

1.7.29 Ventilation means exchange of air from outside to inside a cargo space.

.1 Continuous Ventilation means ventilation that is operating at all times.*

IMSBC Code Reg. 3.5.4

3.5.4 Ventilation openings shall be provided in holds intended for the carriage of cargoes that require continuous ventilation. Such openings shall comply with the requirements of the Load Line Convention as amended for openings not fitted with means of closure.

* The requirements for continuous ventilation apply to the following cargoes:

ALUMINIUM FERROSILICON POWDER UN 1395

ALUMINIUM SILICON POWDER, UNCOATED UN 1398

ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS UN 3170

FERROPHOSPHORUS (including BRIQUETTES)

FERROSILICON (25% ≤ Silicon ≤ 30% or ≥ 90% Silicon)

FERROSILICON UN 1408 (30% ≤ Silicon < 90%)

ZINC ASHES UN 1435

Note:

1. Rev.3 of this UI shall be uniformly implemented by IACS Societies on or after 1 January 2012.

SC 89

(cont)

Interpretation

General:

If adjacent spaces are not separated from cargo spaces by gastight bulkheads or decks, then they are considered as part of the enclosed cargo space and the ventilation requirements shall apply to the adjacent space as for the enclosed cargo space itself.

Where the IMSBC Code requires:

- ~~Where 2 fans per hold are required in the BC Code, a common ventilation system with 2 fans connected is acceptable.~~
- continuous ventilation, this does not prohibit ventilators from being fitted with a means of closure as required for fire protection purposes under SOLAS II-2/5.2.1.1 provided the minimum height to the ventilator opening is to be in accordance with ICLL/19.3 (4.5m for Position 1 and 2.3m for Position 2).

Requirements for Individual Cargoes:

- a) ~~Mechanical ventilation arranged for continuous operation, i.e. height of ventilation inlets and outlets must satisfy the requirements of the Load Line Convention for openings not fitted with means of closure. Means of closure for fire protection purposes as required by Reg. II 2/5.2.1.1 must be fitted. The fan should be permanently or being of portable type adapted for being permanently fitted prior to loading and during voyage. Cargo holds to be supplied by two fans giving a ventilation rate of min. 6 airchanges per hour based on the empty hold volume. The requirements apply to the following cargoes:~~

~~Aluminium Ferrosilicon~~

~~Aluminium Silicon~~

~~Ferrosilicon~~

~~Zinc Ashes~~

- b) ~~Mechanical ventilation arranged for continuous operation, i.e height of ventilation inlets and outlets must satisfy the requirements of the Load Line Convention for openings not fitted with means of closure. Means of closure for fire protection purposes as required by Reg. II 2/5.2.1.1 must be fitted. The fan(s) should be permanently fitted or being of portable type adapted for being permanently fitted prior to loading and during voyage. The fan(s) should give a ventilation rate of min. 6 airchanges per hour based on the empty hold volume.~~

~~The requirements apply to the following cargo:~~

~~**Seed Cake b and c**~~

End of Document
