

# International Tonnage Convention 1969 - Heat Exchangers (Coolers) Treatment

## References

### International Convention on Tonnage Measurements of Ships, 1969 - Regulation 2(4):

#### Enclosed Spaces

Enclosed Spaces are all those spaces which are bounded by the ship's hull, by fixed or portable partitions or bulkheads, by decks or coverings other than permanent or movable awnings. No break in a deck, nor any opening in the ship's hull, in a deck or in a covering of a space, or in the partitions or bulkheads of a space, nor the absence of a partition or bulkhead, shall preclude a space from being included in the enclosed space.

### International Convention on Tonnage Measurements of Ships, 1969 - Regulation 6(2):

#### Calculation of Volumes

Volumes of appendages shall be included in the total volume.

#### **TM.5/Circ.6 - Interpretation R.2(4)-9:**

Machinery such as mooring and towing equipment, winches, revolving cranes, cranes with truss structures, and other similar items should not be included in the total volume of all enclosed spaces (V).

#### **TM.5/Circ.6 - Interpretation R.6(2)-1:**

Bulbs, fairwaters, propeller shaft bossings or other structures should be treated as appendages.

## Interpretation

Heat exchangers (coolers) fitted in hull recesses or outside of the hull shall be treated as machinery under TM.5/Circ.6 Interpretation R.2(4)-9 and not as appendages.

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### Note:

1. This UI is to be uniformly implemented by IACS Societies from 1 July 2016.

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