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## CONTENTS

## ANSI/ASHRAE Standard 26-2010 (RA 2020)
## Mechanical Refrigeration and Air-Conditioning Installations Aboard Ship


| SECTION | | PAGE |
|---|---|---|
| Foreword | | 2 |
| 1 | Purpose | 2 |
| 2 | Scope | 2 |
| 3 | Definitions | 2 |
| 4 | General Shipboard Design Condition | 6 |
| 5 | Refrigerants, Classification, and Application | 8 |
| 6 | Compressors | 10 |
| 7 | Pressure Vessels and Heat Exchangers | 12 |
| 8 | Piping | 13 |
| 9 | Evaporators and Cooling Coils | 17 |
| 10 | Installation | 20 |
| 11 | Spare Parts and Tools | 21 |
| 12 | Operating Instruction Manual | 23 |
| 13 | References | 28 |


**NOTE**

**Approved addenda, errata, or interpretations for this standard can be downloaded free of charge from the ASHRAE website at www.ashrae.org/technology.**

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## FOREWORD

*This is a reaffirmation of Standard 26-2010. This standard was prepared under the auspices of ASHRAE. It may be used, in whole or in part, by an association or government agency with due credit to ASHRAE. Adherence is strictly on a voluntary basis and merely in the interests of obtaining uniform guidelines throughout the industry. This version of the reaffirmation has no changes.*

## 1. PURPOSE

The purpose of this standard is to provide the minimum general requirements for the design, construction, installation, operation, inspection, and maintenance of mechanical refrigerating and air-conditioning equipment aboard ship to permit the safe, efficient, and reliable operation of such systems.

## 2. SCOPE

**2.1** This standard covers

a. refrigerating and air-conditioning systems that are an integral part of the main mechanical plant of merchant, fishing, and seafood-processing ships and
b. refrigerated seawater and brine-chilling systems that air condition and dehumidify passenger and cargo spaces, chill or freeze perishable cargoes, or maintain storage of chilled or frozen cargo.

**2.2** This standard does not cover

a. details of system designs or applications;
b. small, self-contained units that are not an integral part of the ship's main mechanical plant, such as electric water coolers, reach-in refrigerators, and room air conditioners;
c. cargo containers with self-contained refrigerating systems; or
d. liquefied gas ships.

**2.3** Exceptions to the literal details of this standard may be used when approved by the authorities having jurisdiction when equivalent safety, efficiency, and reliability are achieved.

## 3. DEFINITIONS

Definitions given below are compiled for the purpose of clarifying this standard only.

***accessible:*** easy to approach for service or use.

***aft:*** toward the stern of the ship.

***air conditioning:*** in enclosed spaces, the combined treatment of the air to control, as specified, temperature, relative humidity, velocity of motion, and radiant heat energy level, with consideration of the need for removal of airborne particles and contaminant gases. Some air conditioners may not accomplish all of these controls and are selected for their capability to control specific phases of air treatment.

Air conditioning is applied on board ships for passenger and crew accommodations.

***ambient air temperature:*** when used in connection with machinery, temperature of air in the engine room or refrigeration machinery compartment surrounding such machinery. When used in connection with refrigerated compartments, temperature of the surrounding air outside the ship or in adjacent spaces.

***approved:*** acceptable by the authorities having jurisdiction, such as the Classification Society, U.S. Coast Guard, U.S. Department of Transportation, and Maritime Administration.

***auxiliary machinery space:*** a compartment assigned to machinery, generally other than main propulsion equipment.