

(c) **Exceptions:** Fire damper or fire door assemblies are not required in (a) where

1. Maximum duct area does not exceed 20 square inches.
2. Duct serves as an exhaust for kitchen range hood.

**History:** Cr. Register, January, 1965, No. 109, eff. 2-1-65; r. and recr. Register, September, 1973, No. 213, eff. 10-1-73; am. (4) (e), Register, February, 1974, No. 218, eff. 3-1-74.

**Ind 59.70 Volume dampers and deflectors.** Necessary volume dampers, splitters and deflectors shall be provided in all ducts to permit accurate balancing of the system. The dampers, splitters and deflectors shall be adjusted to satisfy the heating and ventilating requirements of the conditioned space and locked in place.

**History:** Cr. Register, January, 1965, No. 109, eff. 2-1-65.

**Ind 59.71 History:** Cr. Register, January, 1965, No. 109, eff. 2-1-65; r. Register, September, 1973, No. 213, eff. 10-1-73.

**Ind 59.72 Equipment location and protection required.** Heating and ventilating equipment in gymnasiums, play rooms and similar occupied areas shall be fully recessed, and protected, or located not less than 7 feet above the floor. Heating and ventilating equipment shall not block any part of the required aisles, passageways and corridors.

**History:** Cr. Register, January, 1965, No. 109, eff. 2-1-65.

**Ind 59.74 Piping. (1) PIPE SIZES AND ARRANGEMENT.** All steam and hot water supply and return piping, air-line piping and auxiliary equipment shall be of appropriate sizes, elevations and arrangements in accordance with standard engineering practice to accomplish the calculated services in practical operation, without undue noise, stress or other detriment.

(2) **EXPANSION AND CONTRACTION.** The piping for heating system shall be equipped with anchors, expansion swings or joints, supports and similar devices to relieve stress and strains caused by temperature change of the pipe material.

(3) **PIPE INSULATION.** Steam, hot water supply and return piping in occupied areas shall be covered with not less than ½ inch insulating material, where the heat emission is objectionable or where piping is subject to freezing.

**Note:** For additional requirements see Wis. Adm. Code section Ind 52.13.

**History:** Cr. Register, January, 1965, No. 109, eff. 2-1-65.

**Ind 59.75 Refrigerants.** The rules covering the use of refrigerants as a function of air conditioning systems shall conform with Wis. Adm. Code chapter Ind 45 (Mechanical Refrigeration).