

**Coast Guard, DHS**

**§ 76.23-10**

(b) [Reserved]

**§ 76.17-90 Installations contracted for prior to November 19, 1952.**

(a) Installation contracted for prior to November 19, 1952, shall meet the following requirements:

(1) Existing arrangements, materials, and facilities previously approved shall be considered satisfactory so long as they meet the minimum requirements of this paragraph and they are maintained in good condition to the satisfaction of the Officer in Charge, Marine Inspection. Minor repairs and alterations may be made to the same standards as the original installation.

(2) The details of the systems shall be in general agreement with §§76.17-5 through 76.17-20, with the exception of §76.17-5(a)(2), insofar as is reasonable and practicable. A 6-inch blanket of foam in 5 minutes for tanks and 3 minutes for other spaces will be considered as meeting the requirements of §76.17-5.

(b) [Reserved]

**Subpart 76.23—Manual Sprinkling System, Details**

**§ 76.23-1 Application.**

(a) Where a manual sprinkling system is installed, the provisions of this subpart, with the exception of §76.23-90, shall apply to all installations contracted for on or after November 19, 1952. Installations contracted for prior to November 19, 1952, shall meet the requirements of §76.23-90.

(b) [Reserved]

**§ 76.23-5 Zoning.**

(a) Separate zones may be used for each deck, and on any particular deck, spaces separated by "A" or "B" Class bulkheads may be separately zoned.

(b) On any particular deck, large common areas may be zoned in accordance with table 76.23-5(b). All such zones within one common area shall be of approximately the same size. Zones of this type shall overlap in such a manner that the end sprinkler heads of both adjoining zones will cover the identical area.

TABLE 76.23-5(b)

Square feet of common deck area		Maximum number of zones
Over	Not over	
.....	800	1
800 .....	1,800	2
1,800 .....	3,000	3
3,000 .....	5,000	4
5,000 .....	9,000	5
9,000 .....	16,000	6
16,000 .....	30,000	7
30,000 .....	.....	8

**§ 76.23-10 Quantity, pipe sizes, and discharge rates.**

(a) *General.* (1) The system shall be so designed and arranged that the overhead is effectively sprayed and all portions of the deck are covered. The capacity shall be such that at least 12 gallons of water per minute are applied to each 100 square feet of deck area.

(2) Piping, fittings, sprinkler heads, and pumps installed in accordance with the remainder of this section will be considered as meeting the above requirements. If alternate sizes or arrangements are used, it shall be demonstrated that these minimum requirements have been met.

(b) *Sprinkler heads.* (1) Three-eighth inch open type sprinkler heads shall be used. Sprinkler heads shall be so arranged that no portion of the overhead is more than 7 feet from a sprinkler head.

(2) [Reserved]

(c) *Pipe sizes.* (1) The various pipe sizes shall be in proportion to the number of heads served. Minimum pipe sizes shall be as given in table 76.23-10(c).

TABLE 76.23-10(c)

Number of 3/8 inch heads served		Minimum nominal pipe sizes, inches
Over	Not over	
.....	1	3/4
1 .....	2	1
2 .....	4	1 1/4
4 .....	6	1 1/2
6 .....	12	2
12 .....	18	2 1/2
18 .....	30	3
30 .....	46	3 1/2
46 .....	66	4
66 .....	120	5

(d) *Fire pumps.* (1) The fire pumps may be used for the sprinkling system