

ASME A112.36.2M-1991

(REVISION OF ANSI A112.36.2M-1983)

Cleanouts

AN AMERICAN NATIONAL STANDARD



The American Society of
Mechanical Engineers

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The American Society of
Mechanical Engineers

345 East 47th Street, New York, N.Y. 10017

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FOREWORD

(This Foreword is not part of ASME A112.36.2M-1991.)

The common cleanout is one of the most important, yet frequently neglected, items in the plumbing system. The cleanout provides access to horizontal and vertical lines and stacks to facilitate inspection and the removal of obstructions.

Early in the development of plumbing systems the need for cleanouts was realized. This need was met by placing a tee or similar fitting in the line with a loosely set cover over the branch opening. Escaping sewer gas and admission of surface water into the sewer proved this arrangement unsatisfactory and led to the development of the cleanout with bolted gasketed cover and to the present day common cleanout, which normally consists of an iron body or ferrule with a tapered brass plug. The inadequacy of such devices is evident upon examination. They comply only with the very minimum requirements. Existing standards are not sufficiently specific regarding weight, strength, finish, and location or installation of cleanouts. Some results are plugs which cannot be removed or break upon removal, inadequate tool openings, and hazardous protruding heads in work areas.

Cleanouts in general should be gas and watertight; provide quick and easy plug removal; allow ample space for rodding tools; have means of adjustment to finish floor level; be attractive in appearance; and be designed to support whatever traffic is directed over them.

The benefits of basic design standards were apparent to cleanout manufacturers and a study was initiated as an industry effort in 1961. Prior to the completion of this work, the American National Standards Committee A112, Standardization of Plumbing Materials and Equipment, was organized and Panel No. 36 of this committee was assigned the responsibility to develop standards for cleanouts. The first meeting was held on September 12, 1967. A rough draft of this Standard was submitted March 20, 1968 to the Task Force members. Revisions were made and the proposed Standard was submitted to members of Panel No. 36 for their approval.

Following approval of the proposal by the Panel, the American National Standards Committee A112, and the A112 Secretariat, this draft was adopted as an American National Standard by the American National Standards Institute on February 11, 1975.

This Standard was reviewed in 1989 resulting in minor changes, additions, and clarifications. The revised document was approved by Panel 36, the A112 Standards Committee, and the Secretariat. Subsequently this modified version was adopted by the American National Standards Institute on August 16, 1991.

Suggestions for improvement of this Standard are welcomed. They should be sent to the American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, N.Y. 10017.

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CLEANOUTS

1 SCOPE AND PURPOSE

1.1 Scope

This Standard covers cleanouts including floor and wall types used in concealed piping in and adjacent to commercial, industrial, institutional, and other buildings open to public use.

1.1.1 This Standard addresses:

- (a) definitions;
- (b) nomenclature;
- (c) connection and closure types;
- (d) covers and frames;
- (e) materials and finishes;
- (f) variations and accessories.

1.2 Purpose

The purpose of this Standard is to establish the basic requirements of cleanouts for the guidance of manufacturers, distributors, and purchasers so that these products may be made available in both quality and design adequate to serve the purpose intended. It is not intended for use as a specification guide.

CAUTION: Figures used in this Standard are intended only to describe and portray typical floor and wall type cleanouts and are not intended to restrict design or to be used for specification purposes.

2 DEFINITIONS

accessible — accessible shall mean having access to the floor or wall cleanout but which first may require the removal of an access panel, door, or similar obstruction

floor cleanout — a plumbing fitting designed to provide access through the floor or slab to drainage piping, for the purpose of cleaning or inspection

wall cleanout — a plumbing fitting designed to provide access through the wall to drainage piping for the purpose of cleaning or inspection

3 NOMENCLATURE

Figures 1 through 4 relate nomenclature to the physical locations on the cleanout.

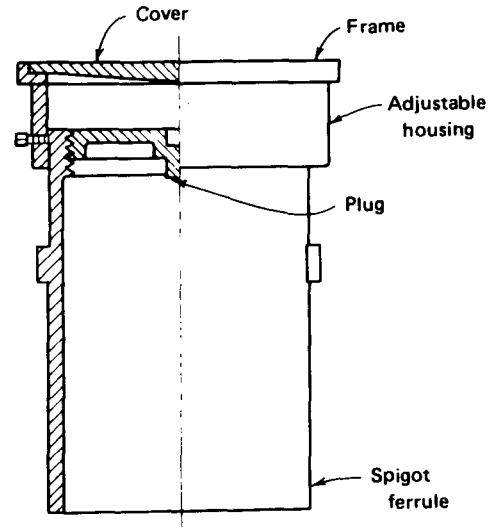


FIG. 1 CLEANOUT WITH ADJUSTABLE HOUSING AND SPIGOT CONNECTION

4 CONNECTION AND CLOSURE TYPES

4.1 Outlet Connections

4.1.1 Threaded. All threaded outlet connections shall be American Standard Taper Pipe Threads for general use (NPT) and shall conform to the minimum dimensions shown in Table 1.

4.1.2 Inside Caulk. All inside caulk outlet connections for connection to plain or spigot end of soil pipe by means of caulked lead joint or gasket shall conform to the minimum dimensions shown in Table 2.

4.1.3 Spigot. All spigot outlet connections shall conform to the spigot end dimensions shown in American National Standard for Cast Iron Soil Pipe and Fittings, ANSI A112.5.1, and Cast Iron Soil Pipe Institute Standard No. 301, Cast Iron Soil Pipe and Fittings for Hubless Cast Iron Sanitary System.