
 * NOT MEASUREMENT *
 * SENSITIVE *

A-A-50539
 June 22, 1992

COMMERCIAL ITEM DESCRIPTION

VIBRATORS, CONCRETE, ELECTRIC-MOTOR-DRIVEN

The General Services Administration has authorized the use of this Commercial Item Description as a replacement for Military Specification MIL-V-21731D, which is cancelled.

Abstract. This document covers commercial, lightweight, portable, double insulated, electric-motor-driven concrete vibrators. The vibrators covered by this commercial item description are intended for use in consolidating low slump, portland cement concrete. This commercial item description covers two types and two classes of vibrators as follows:

Type I - Flexible shaft connected

Style A - Swivel based motor
 Style B - Hand-carried motor

Type II - Motor in head

Salient Characteristics. The vibrator shall consist essentially of a sealed vibrating head connected to a double-insulated electric motor by a flexible shaft. Type I vibrator shall be comprised of a sealed vibrating head with an integral double-insulated electric motor and a watertight hose encasing electrical cables. Type I, style A and B vibrators shall be furnished with quick disconnect type couplings to disconnect the flexible shaft from the electric motor. Type I vibrators shall be equipped with double-insulated electric motors designed for intermittent duty and to operate in an ambient temperature of 40 degrees Centigrade. Style B vibrator shall be furnished with an open, fan cooled splash proof, series wound, double insulated motor. A flexible, steel wire shaft shall be used to transfer mechanical power from the motor drive shaft to the eccentric rotor in the vibrating head. Type II vibrator shall have the electric motor incorporated within the vibrating head.

 *Beneficial comments (recommendations, additions, deletions) and any *
 *pertinent data which may be of use in improving this document should be *
 *addressed to: Commanding Officer (Code 156), Naval Construction Battalion *
 *Center, 621 Pleasant Valley Road, Port Hueneme, CA 93043-4300. *

FSC 3895

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The motor shall be totally enclosed, nonventilated and designed for intermittent duty operation in an ambient temperature of 50 degrees Centigrade. The motor shall be the universal type, double insulated, series wound, and with a minimum 3/4 horsepower rating.

1. Safety. Rotating mechanisms shall be protected and enclosed by rugged, waterproof casings. Particular care shall be taken in the design and construction of the vibrator to insure the safety of the operator from danger of electric shock.

2. Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

3. Preservation, packaging, packing, labeling, and marking. Preservation, packaging, packing, labeling, and marking shall be in accordance with the requirements of ASTM-D-3951, unless otherwise specified in the contract or order.

4. CID-based part identification numbers. The following part identification numbering procedure is for Government purposes and does not constitute a requirement for the contractor.

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A - XXXXXXX - II - A
*      *      *      *-----Style (A or B)
*      *      *
*      *      *-----Type (I or II)
*      *
*      *-----CID Number
*
*-----Designates a CID

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MILITARY INTERESTS:

Custodians
Army - ME
Navy - YD

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA-FSS
PREPARING ACTIVITY:
Navy - YD
(Project 3895-0304)