

[INCH-POUND]
A-A-59249
June 16, 1998
SUPERSEDING
WW-F-2849
December 28, 1993

COMMERCIAL ITEM DESCRIPTION

FILTERS, FLUID, PRESSURE, FEEDWATER

The General Services Administration has authorized the use of this commercial item description for all Federal agencies.

1. SCOPE. This commercial item description (CID) covers filters which separate and remove oil, organics, chlorine, and suspended solids from boiler feedwater, including raw makeup water.
2. CLASSIFICATION. The filters shall be of the following types, groups, and styles, as specified (see 7.2):

Type I - Precoat type.

Group 1 - Vertical tank.

Style A - Vertical leaf or tubular element.

Style B - Horizontal tray.

Group 2 - Horizontal tank.

Style C - Vertical leaf.

Style D - Horizontal plate.

Type II - Chemical type.

Type III - Disk-cartridge type.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Officer in Charge (Code 15E2), Seabee Logistics Center, 4111 San Pedro St., Port Hueneme, CA 93043-4410, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

3. SALIENT CHARACTERISTICS.

3.1 Description. The filters shall be used to remove oil and suspended solids, chlorine, and dissolved organics from boiler feedwater. The filters shall be used in the feedwater, condensate and raw makeup water systems in power or heating plants that operate up to 800 pounds per square inch gage (psig) (5 516 kilopascal (kPa) (gage)). Type I precoat filters shall use a deposited absorbent filter cake for removal of oil and suspended solids from the water systems. Type II chemical filters shall use chemicals to remove oil from the water systems. Type III disk-cartridge filters shall use an assembly of disposable disk-cartridges for removal of oil, suspended solids, chlorine or organic, as specified (see 7.2), from the boiler feedwater, including condensate and raw makeup water.

3.2 Standard commercial product. The filters shall, as a minimum, be in accordance with the requirements of this CID and shall be the manufacturer's standard commercial product. Additional or better features which are not specifically prohibited by this CID, but which are a part of the manufacturer's standard commercial product, shall be included in the filters being furnished. A standard commercial product is a product which is being sold or is being currently offered for sale on the commercial market through advertisements or manufacturer's catalogs or brochures, and represents the latest model.

3.3 Construction. The complete filter system components required shall be as specified (see 7.2). The filter system shall be complete so that when connected to the specified source of electricity (see 3.13) and piping system, it accomplishes the operation for which it was designed. Unless otherwise specified (see 7.2), two or more filter tanks shall be required for a single application and shall be arranged for a parallel operation.

3.4 Operating conditions. The filter system shall operate at the conditions specified herein.

3.4.1 Feedwater temperature and flow. The normal operating temperature of the incoming feedwater, in degrees Fahrenheit (°F) (degrees Celsius (°C)) and feedwater flow in gallons per minute (gpm) (litre per second (L/s)), shall be as specified (see 7.2).

3.4.2 Operating pressure. The normal operating pressure of the incoming feedwater to the filter system, in pounds per square inch gage (psig) (kPa (gage)), shall be as specified (see 7.2).

3.4.3 Feedwater impurities. The feedwater impurities and level of concentration shall be as specified (see 7.2).

3.5 Type I, precoat type. The type I precoat type filter system shall consist of screens, plates, tubular elements, or filter leaves, including support for holding the leaves and for stripping filter cake. The system shall include separate tanks for precoat and slurry feed material. Additional components, accessories, pumps, agitators, piping, and fittings required for satisfactory operation of the filter system shall also be furnished.

3.5.1 Filter tank. The filter tank shall be equipped with supports for the filter leaves or elements, feedwater inlet, feedwater discharge, sludge drain, vent, pressure relief device, and gage connections. The filter tank shall conform to ASME Boiler and Pressure Vessel Code, section VIII, division I, and shall be furnished with the ASME Code stamp. When specified (see 7.2), the tank shall be equipped with a filter element. The filter element shall separate the used precoat from the flushing water when the flushing water is discharged to the floor drain.

3.5.2 Filter leaves and elements. The leaf assemblies and elements shall retain their shape in an operating pressure up to 60 psig (414 kPa (gage)).

3.5.2.1 Style A. Vertical filter leaves in group 1 tanks shall consist of heavy-duty screens and frames, assembled to a manifold discharge pipe. Vertical tubular elements in group 1 shall consist of helically wound screens, circular screens, or circular sintered elements and fit into a common horizontal header or tube sheet.

3.5.2.2 Style B. Horizontal filter trays in group 1 tanks shall consist of circular, heavy-duty screens supported by perforated/reinforced plates located about a central discharge pipe.

3.5.2.3 Style C. Vertical filter leaves in group 2 tanks shall consist of heavy-duty screens and frames, assembled to a centrally located manifold discharge pipe or to a manifold discharge pipe at the bottom of the tank.

3.5.2.4 Style D. Horizontal filter plated in group 2 tanks shall consist of rectangular heavy-duty screens and frames, assembled to a centrally located discharge pipe or to a manifold discharge pipe at the bottom of the tank.

3.5.3 Precoat tank. The precoat tank shall be provided for mixing precoat and feedwater. Unless otherwise specified (see 7.2), the volume shall be not less than 50 percent greater than the volume of the filter tank. The tank shall be equipped with a feedwater inlet, precoat mixture discharge, precoat mixture inlet, drain, and liquid level gage connections. Unless otherwise specified (see 7.2), a motor-driven, propeller-type agitator shall be provided. Unless otherwise specified (see 7.2), the agitator motor shall be a totally enclosed, nonventilated type, capable of operating on a system of 208 volts, single-phase, 60 Hertz (Hz). When specified (see 7.2), the precoat mixture shall be agitated by circulating it with the feedwater through one or more nozzles.

3.5.4 Precoat pump. The precoat pump shall be a electric-motor-driven, centrifugal type and operate without vapor lock or cavitation. The pump shall be self-priming and be equipped with a pressure operated bypass. The pump capacity shall be not less than 10 percent greater than the maximum which is governed by the condensate storage and surge tank capacity of the boiler plant.

3.5.5 Slurry feed tank. A slurry feed tank shall be provided for mixing filter-aid material and water with a capacity for two days' operation under operating conditions specified. A motor-driven, propeller-type agitator shall be provided for ample mixing of the filter-aid material and feedwater. The tank shall be provided with a feedwater inlet, slurry discharge, drain, and liquid

level gage connections. Unless otherwise specified (see 7.2), the agitator motor shall be a totally enclosed, nonventilated type, capable of operating on a system of 208 volts, single-phase, 60 Hz.

3.5.6 Slurry feed pump. The slurry feed pump shall be a positive displacement type, self-priming and have a built-in bypass valve. The pump shall be provided with the means to permit adjusting the volume pumped. The pump capacity shall be not less than 10 percent greater than the maximum operating condition required to meet the specified performance.

3.5.6.1 Slurry feed pump controls. The slurry feed pump shall be provided with controls to adjust the volume pumped. Pump control shall be manual (independent of feedwater flow) or automatic when specified (see 7.2). Automatic control shall be one of the following methods, as specified (see 7.2):

- a. Flow - A preset adjustable relation between the slurry feed volume pumped and the volume of feedwater to the filter and maintain this relationship over a flow variation, as specified (see 7.2).
- b. Speed - A preset adjustable relation between the slurry pump speed and the feedwater pump speed and maintain this relationship over a feedwater pump speed range, as specified (see 7.2).
- c. On-Off - A preset adjustable relation between the slurry feed volume pumped and volume of feedwater flowing. The slurry feed pump shall start and stop corresponding to each start and stop of the feedwater pump. The slurry feed pump shall operate at constant speed.

3.5.7 Piping and operating accessories. Piping, fittings, strainers, valves, and accessories shall be furnished to facilitate the operations of cleaning, draining, depositing and recirculating the precoat. The piping and operating accessories shall establish and maintain feedwater flow and slurry feed, and all other operations required for proper performance of the equipment. A sight glass shall be provided for viewing the discharge from the filter. Piping shall conform to ASME B31.1. All pipe threads shall conform to ASME B1.20.1 and pressure gages shall conform to ASME B40.1.

3.5.8 Filter material. Filter material shall be as specified (see 7.2). Sufficient precoat and filter-aid material for two operating cycles shall be provided.

3.5.9 Flow control. When specified (see 7.2), controls and bypass piping shall be provided to ensure a minimum flow of feedwater through the filter at all times. This prevents possible dislodging of the filter cake when feedwater is not supplied to the boiler. Means shall be provided to balance the flow through each filter so that alternate filters will maintain staggered cleaning cycles.

3.5.10 Cleaning without disassembly. When specified (see 7.2), filters shall be provided with means for cleaning the leaves or screens without disassembly. Filters so specified shall have the cleaning means arranged for manual operation or automatic control of cleaning cycle, as specified (see 7.2). One of the following means of disengaging the filter cake shall be as specified (see 7.2):

- a. Water sprays directed against the cake.
- b. A wiper contacting the surface of the plates followed by water working, if required.
- c. Backwashing by pneumatic pressure.

3.5.10.1 Manual operation. Filters designed for cleaning by manual operation without disassembly shall be equipped to manually perform the operations of shutting off the feedwater flow to the filter, cleaning the plates, draining or removing the dislodged filter cake from the filter tank and depositing of precoat. The filters shall reestablish the flow of slurry, feedwater, and any other necessary operations.

3.5.10.2 Automatic control of cleaning. Filters designed for automatic control of the cleaning cycle without disassembly shall be motor-operated. The filter system shall be equipped to automatically perform the operations of shutting off the feedwater flow to the filter, cleaning of the plates, draining or removing the dislodged filter cake from the filter tank, and depositing of precoat. The filters shall reestablish the flow of slurry, feedwater, and any other necessary operations. When a single filter tank is used, the cleaning cycle shall be completed within the time limit as specified (see 7.2). The time limit for the cleaning cycle is governed by the condensate storage and surge tank capacity of the boiler plant.

3.5.11 Filter handling rack. A filter rack, or support for quick and easy transfer of the filter leaves from the filter tank to the handling rack for cleaning shall be furnished.

3.5.12 Mobile cart. When specified (see 7.2), a mobile cart shall be provided to receive the filter cake peeled from the leaves.

3.6 Type II, chemical type. The type II chemical filter system shall consist of a filter tank, filter bed, chemical bed, chemical tank, and chemical feed pump. The filter system shall provide means for cleaning the filter bed, and necessary interconnecting piping and fittings. Additional equipment required for the satisfactory operation of the filter system shall be included.

3.6.1 Tanks. The filter tank shall conform to ASME Boiler and Pressure Vessel Code, section I, and shall be furnished with the ASME Code stamp. The chemical tank shall be provided with a mechanical agitator to maintain the chemicals in constant consistency.

3.6.2 Filter bed. The filter bed shall provide support for granular material and prevent their passage with the feedwater discharge, but shall permit cleaning.

3.6.3 Filter bed cleaning. Mechanical, air, steam, or water agitation and water-wash apparatus shall be provided, as specified (see 7.2). The apparatus shall be complete with motors, valves, nozzles, strainers, and all other necessary components and accessories.

3.6.4 Controls. The filter tank shall be provided with controls for manual operation and when specified (see 7.2), automatic operation shall be furnished.

3.6.5 Chemical pump. The chemical pump shall be a positive displacement type, self-priming, and have a built-in bypass valve. The pump shall be provided with means to permit adjusting the volume pumped. The pump capacity shall be not less than 10 percent greater than the maximum operating condition required to meet the specified performance. Pump control shall be manual (independent of feedwater flow) or automatic when specified (see 7.2). Automatic control shall be by one of the following methods, as specified (see 7.2):

- a. Flow - A preset adjustable relation between the chemical feed volume pumped and volume of feedwater flowing to the filter and to maintain this relationship over a flow variation, as specified (see 7.2).
- b. Speed - A preset adjustable relation between the chemical pump speed and the feedwater pump speed and to maintain this relationship over a feedwater pump speed range as specified (see 7.2).
- c. On-Off - A preset adjustable relation between the chemical feed volume pumped and the volume of feedwater flowing. The chemical feed pump shall start and stop corresponding to each start and stop of the feedwater pump. The chemical pump shall operate at constant speed.

3.6.6 Piping and operating accessories. Piping, fittings, strainers, valves, and accessories shall be furnished to facilitate the operations of cleaning, draining, filter media replacement, establishing and maintaining feedwater flow, and other operations required for proper equipment performance. A sight glass shall be provided for means of viewing the discharge from the filter. Piping shall conform to ASME B1.20.1 and pressure gages shall conform to ASME B40.1.

3.7 Type III, disk-cartridge type. The type III, disk-cartridge type filter system shall consist of a filter tank, disposable disk-cartridges, feedwater pump, and controls.

3.7.1 Filter tank. The filter tank shall conform to ASME Boiler and Pressure Vessel Code, section VIII, division 1, and shall be furnished with the ASME Code stamp.

3.7.2 Disk-cartridge. The disposable disk-cartridge assembly shall consist of individual cells consisting of two disks that allow free flow of filtered feedwater.

3.7.3 Piping and operating accessories. Piping, fittings, valves, and accessories shall be furnished to facilitate the operations of cleaning, draining, filter replacement, establishing and maintaining the feedwater flow, and other operations required for the equipment performance. A sight glass shall be provided for viewing the discharge from the filter. Piping construction shall conform to ASME B31.1 and pipe-thread connections shall conform to ASME B1.20.1.

3.7.4 Controls. Controls shall be provided to permit adjustment of the volume flowing through the filter. Control of the filtration operation shall be manual or automatic, as specified (see 7.2). Automatic control operation shall be initiated by a preset adjustable pressure drop across the filter elements.

3.8 Feedwater pump. When specified (see 7.2), an electric-motor-driven, centrifugal type pump shall be provided.

3.9 Turbidity indicator. Unless otherwise specified (see 7.2), a photo-electric type turbidity indicator shall be provided to detect the presence of oil and suspended solids in the feedwater discharge from the filter. Unless otherwise specified (see 7.2), the turbidity indicator shall operate on 208 volt, single-phase, 60 Hz system. When specified (see 7.2), a battery-operated, portable, turbidity indicator, without an alarm shall be furnished.

3.10 Strainers. When specified (see 7.2), strainers shall be provided. Pressure drop through any one strainer at rated flow shall be not greater than 2 psi (14 kPa).

3.11 Gages. Gages shall be provided to indicate pressure drop over the filter, suction, and discharge pressure of pumps, and whenever required for proper operation and maintenance of equipment. A gage shutoff valve for each gage shall be included. Gages shall conform to ASME B40.1.

3.12 Control panel. A NEMA control panel shall be furnished as specified (see 7.2).

3.13 Electric motors. Electric motors shall be rated for continuous duty in accordance with the applicable provisions of NEMA MG 1. Unless otherwise specified (see 7.2), motors shall be totally enclosed and ready for operation on a system of 208 volts, single phase, 60 Hz. The horsepower (watt) rating of each pump shall be not greater when the pump is delivering the volume of water specified against the total dynamic head of the intended installation.

3.14 Motor starter. Unless otherwise specified (see 7.2), the starter shall include thermal overload protection with a hand/off/automatic switch. The starter shall be in accordance with NEMA ICS 2.

3.15 Automatic control. All control and float switches shall bear the UL label or listing mark. All automatic controls and control circuits shall be in accordance with NFPA 70.

3.16 Wiring. Wiring shall be in accordance with NFPA 70.

3.17 Skid bases. When specified (see 7.2), components of the filter system shall be mounted on skid bases.

3.18 Lifting and tiedown attachments. When specified (see 7.2), the filter shall be equipped with lifting and tiedown attachments. A nonferrous transportation plate shall be provided and mechanically attached to the filter. Transportation plates shall be inscribed with a diagram showing the lifting attachments and lifting slings, the capacity of each attachment, and the required length and size of each sling cable. A silhouette of the item furnished showing the center of gravity shall be provided on the transportation plate. Tiedown attachments may be identified by stenciling or other suitable marking. Tiedown marking shall clearly indicate that the attachments are intended for the tiedown of the filter on the carrier when shipped.

3.19 Lubrication. Unless otherwise specified (see 7.2), a means for lubrication shall be in accordance with the manufacturer's standard practice. The lubricating points shall be easily visible and accessible. Hydraulic lubrication fittings shall be in accordance with SAE J534. Where use of high-pressure equipment, 1,000 psi (6 894 kPa) or higher, will damage grease seals or other parts, a suitable warning shall be affixed to the equipment in a conspicuous location.

3.20 Cleaning, treatment, and painting. Surfaces normally painted in good commercial practice shall be cleaned, treated, and painted as specified herein. The color of the finish coat shall be as specified (see 7.2). Surfaces to be painted shall be cleaned and dried to ensure they are free from contaminants such as oil, grease, welding slag and spatter, loose mill scale, water, dirt, corrosion product, or any other contaminating substances. As soon as practicable after cleaning and before any corrosion product or contamination can result, the surfaces shall be prepared or treated to ensure the adhesion of the coating system. The painting shall consist of at least one coat of primer and one finish coat. The primer shall be applied to a clean, dry surface as soon as practicable after cleaning and treating. Painting shall be with manufacturer's current materials according to manufacturer's current processes and the total dry film thickness shall be not less than 2.5 mils (64 mm) over the entire surface. The paint shall be free from runs, sags, orange peel, or other defects.

3.21 Identification marking. Identification shall be permanently and legibly marked directly on the unit or on a corrosion-resisting metal plate securely attached to the unit at source of manufacturer. Identification shall include the manufacturer's model and serial number, name, and trademark to be readily identifiable to the manufacturer.

3.22 Workmanship. All operations and processes involved in accomplishing the requirements of this CID shall be in accordance with the highest grade practices associated with this type of work.

4. REGULATORY REQUIREMENTS.

4.1 Materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR). Unless otherwise specified herein, all equipment, material, and articles incorporated in the work covered by this commercial item description are to be new and fabricated using materials produced from recovered materials to the maximum extent possible without jeopardizing the intended use. The term "recovered materials" means materials which have been collected or recovered from solid waste and reprocessed to become a source of raw materials, as opposed to virgin raw materials. Unless otherwise specified, none of the above shall be interpreted to mean that the use of used or rebuilt products are allowed under this commercial item description.

4.2 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within specified tolerances using conversion tables contained in the latest version of ASTM SI-10 (IEEE/ASTM SI-10), and all other requirements of this commercial item description including form, fit, and function are met. If a product is manufactured to metric dimensions and these

dimensions exceed the tolerances specified in the inch-pound units, a request should be made to the contracting officer to determine if the product is acceptable. The contracting officer has the option of accepting or rejecting the product.

5. QUALITY ASSURANCE PROVISIONS.

5.1 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

6. PACKAGING. The preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 Source of documents.

7.1.1 The Federal Acquisition Regulation (FAR) may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

7.1.2 ASME Standards are available from the American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017-2392.

7.1.3 ASTM Standard is available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

7.1.4 IEEE Standard is available from the Institute of Electrical and Electronics Engineers, IEEE Service Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331.

7.1.5 NEMA Standards are available from the National Electrical Manufacturers Association, 1300 North 17th Street, Suite 1847, Rosslyn, VA 22209.

7.1.6 NFPA Standards are available from the National Fire Protection Association, Batterymarch Park, Quincy, MA 02269-9101.

7.1.7 SAE Standards are available from the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

7.1.8 UL Standards are available from the Underwriters Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

7.2 Ordering data. Acquisition documents should specify the following:

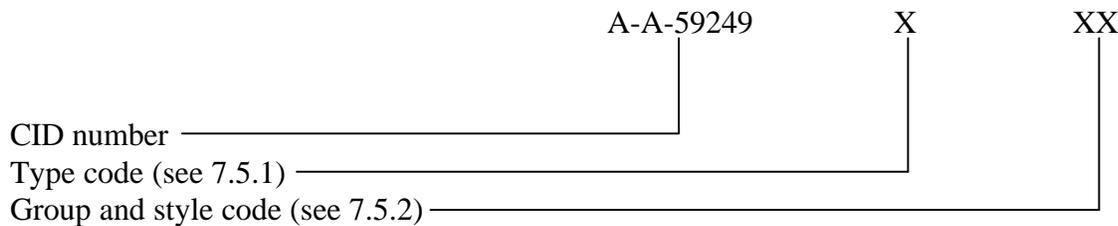
- a. Title, number, and date of this CID.
- b. Type, group, and style of filter required (see 2.).
- c. Type of materials type III filter should remove from feedwater (see 3.1).
- d. The complete filter system components required (see 3.3).
- e. When two or more filter tanks are not required for parallel operation (see 3.3).
- f. Incoming feedwater temperature required, the rate of incoming feedwater flow through the filter unit required (see 3.4.1).
- g. Operating pressure required (see 3.4.2).
- h. Type of impurities and level of concentration of incoming feedwater (see 3.4.3).
- i. These items apply only to type I components:
 - (1) When the filter tank is to be equipped with a filter element for separating the used precoat from the feedwater when draining (see 3.5.1).
 - (2) Volume of the precoat tank required, if different (see 3.5.3).
 - (3) Type of agitator, if different (see 3.5.3).
 - (4) When the precoat tank mixture is to be agitated by nozzles (see 3.5.3).
 - (5) Agitator motors (precoat and slurry feed tank) required, if different (see 3.5.3 and 3.5.5).
 - (6) If the slurry feed pump control is to be manual or automatic; if automatic control is specified, the method of control and the flow variation or pump speed range as required (see 3.5.6.1).
 - (7) Type of filter material to be used (see 3.5.8).
 - (8) When flow controls and bypass piping are required (see 3.5.9).
 - (9) When a means for cleaning without disassembly is to be provided; if the control of the cleaning cycle is to be manual or automatic; and the method of disengaging the filter cake (see 3.5.10).
 - (10) Maximum cleaning time when a single filter tank is used (see 3.5.10.2).
 - (11) When a mobile cart is to be provided (see 3.5.12).
- j. These items apply only to type II components:
 - (1) Type of filter bed cleaning required (see 3.6.3).
 - (2) When automatic operation controls are required (see 3.6.4).
 - (3) If the chemical pump control is to be manual or automatic; if automatic control is specified, the method of control and the flow variation or pump speed range as required (see 3.6.5).
- k. This item only applies to type III components:
 - (1) If control of the filtration operation is to be manual or automatic (see 3.7.4).
- l. When feedwater pump is required (see 3.8).
- m. When a turbidity indicator is not to be provided (see 3.9).

- n. When the turbidity indicator is to operate on other than 208 volt, single phase, 60 Hz system (see 3.9).
- o. When the turbidity indicator is to be battery-operated, and without an alarm (see 3.9).
- p. When strainers are provided (see 3.10).
- q. Control panel required, if different (see 3.12).
- r. Electric motors required, if different (see 3.13).
- s. When starter does not include thermal overload protection with a hand/off/automatic switch (see 3.14).
- t. If skid base mounting for the components of the filter system is to be provided (see 3.17).
- u. If lifting attachments and tiedown devices are to be required (see 3.18).
- v. Means for lubrication required (see 3.19).
- w. Color of finish coat (see 3.20).

7.3 Supersession data. This CID replaces Federal Specification WW-F-2849, dated December 28, 1993.

7.4 Classification cross reference. Classifications used in this CID (see 2.) are identical to those found in superseded Federal Specification WW-F-2849.

7.5 Part Identification Number (PIN). The following part identification numbering procedure is for government purposes and does not constitute a requirement for the contractor. The PIN to be used for items acquired to this description are created as follows:



7.5.1 Type code. The type of the filter (see 2.) is identified by a single digit number (see table I).

TABLE I. Code number to type.

Type	Code
Type I - Precoat type	1
Type II - Chemical type	2
Type III - Disk-cartridge type	3

7.5.2 Group and style code. The group and style code of the filter (see 2.) is identified by a two-digit code (see table II).

TABLE II. Code to group and style.

Group and style	Code
Group 1, style A	1A
Group 1, style B	1B
Group 2, style C	2C
Group 2, style D	2D
No group, no style (types II and III)	00

7.6 Metric units. The values stated in either inch-pound or SI units are to be regarded separately as standard. Within the text, the SI units are shown in brackets. The values stated in each system are not exact equivalents; therefore, each system should be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

7.7 Subject term (key word) listing.

- Boiler plant
- Chemical plant
- Disk-cartridge
- Horizontal plate
- Horizontal tray
- Precoat
- Slurry
- Vertical leaf

MILITARY INTERESTS:

Custodians:

- Army - AV
- Navy - YD1

Review Activity:

DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA-FSS

Preparing Activity:

Navy - YD1

(Project 4330-0152)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:

1. DOCUMENT NUMBER
A-A-59249

2. DOCUMENT DATE (YYMMDD)
980616

3. DOCUMENT TITLE

FILTERS, FLUID, PRESSURE, FEEDWATER

4. NATURE OF CHANGE *(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)*

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME *(Last, First, Middle Initial)*

b. ORGANIZATION

c. ADDRESS *(Include Zip Code)*

d. TELEPHONE *(Include Area Code)*
(1) Commercial
(2) AUTOVON
(if applicable)

7. DATE SUBMITTED
(YYMMDD)

8. PREPARING ACTIVITY

a. NAME

RUSSELL REYNOLDS

b. TELEPHONE *Include Area Code)*

(1) Commercial
805-982-5946

(2) AUTOVON
551-5946

c. ADDRESS *(Include Zip Code)*
OFFICER IN CHARGE, SEABEE LOGISTICS CENTER
CODE 15E2, 4111 SAN PEDRO ST.
PORT HUENEME, CA 93043-4410

IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:
DEFENSE QUALITY AND STANDARDIZATION OFFICE
5203 Leesburg Pike, Suite 1403, Falls Church, VA 22401-3466
Telephone (703) 756-2340 AUTOVON 289-2340