

SPECIAL PACKAGING INSTRUCTION(SPI) (A)

NATIONAL STOCK NUMBER
4240-01-231-6515

NOMENCLATURE **FILTER UNIT, GAS - PARTICULATE.**
100 CFM, 120V, 60 / 400 Hz, M93

UI
EA

QUP
1

SPI NUMBER (PN)
P5-19-8892

Cleaning & Drying shall be in accordance with MIL-STD-2073-1

UNIT PACK LEVEL A REQUIREMENTS (MIL-STD-2073-1, Method 10)	STEPS	DRAWING OR SPECIFICATION	STYLE	TYPE	GRADE	CLASS	SIZE AND REMARKS (INCHES)
SEE NOTE (C)							

INTERMEDIATE PACKAGING AND PACKING

In accordance with MIL-STD-2073-1
 As specified hereon.

MARKING

In accordance with MIL-STD-129
 As specified hereon. **(F)**

QUALITY PERFORMANCE and TESTING REQUIREMENTS

In accordance with MIL-STD-2073-1
 As specified hereon. **SEE NOTE (B)**

Unless otherwise specified, materials shall be minimum size in accordance with MIL-STD-2073-1. Tolerances shall be in accordance with material specifications.

UNIT PACK LOGISTICS DATA (Weights and Sizes Approximate)

LEVEL	UNIT PACK WEIGHT	UNIT PACK CUBE	UNIT PACK SIZE (EXTERIOR) FEET
A	125.00 lbs.	6.886 cu. ft.	2.65 x 2.32 x 1.12

REMARKS/ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

(A) - This SPI is not applicable for Interplant shipments. Packaging and marking for interplant shipment is for supplies and materials that do not directly enter the military supply system. Typical interplant shipments are shipments from a vendor to a subcontractor or a prime contractor, or between contractors and subcontractors, or from a vendor or contractor to a military arsenal, plant, or other activity for evaluation, immediate use, or further processing as specified in the applicable contract.

(B) - SAMPLING FOR PACKAGING QUALITY PERFORMANCE AND TESTING

First Article - First Article packaging sample shall consist of three unit pack containers and their contents for non-destructive testing and inspection and three empty unit pack containers for destructive testing, when applicable. The packaging sample shall be taken from the First Article quantity specified in the Quality Assurance Provision (QAP) or Specification.

Conformance Inspection - Sampling size shall be in accordance with Table II, Attributes Sampling Plans of MIL-STD-1916. For examination and non-destructive tests, Verification level II shall be used. Verification level I shall be used for destructive tests when they are required.

ITEM DATA (APPROX) ITEM SIZE - 31 x 26 x 13 inches. ITEM CODE - Y21 ITEM WEIGHT - 115.00 lbs.	Original Preparer: N.J. Matassa		Revised by: R. Poole		18 SEPT 2001	
	SBCCOM 81361 AMSSB-REN-SS		RP	Y21-0060	Y21-053 (D)	5 DEC 2001
	PAGE NUMBER	NUMBER OF PAGES	JGS	S1L5435	Y21-027 (C)	10 SEPT 91
	1	5	APPROVAL	S1L5418	REVISION	DATE

SPECIAL PACKAGING INSTRUCTIONNATIONAL STOCK NUMBER
4240-01-231-6515NOMENCLATURE
100 CFM, 120V, 60 / 400 Hz, M93PAGE NUMBER
2 of 5SPI NUMBER (PN)
P5-19-8892

(C) – Preservation and unit packing shall be as follows:

- a. **System Control Module (SCM) (Dwg)(5-19-9118).** The SCM shall be unit packed and marked in accordance with SPI P5-19-9118 (reference box 4). Serial numbers shall be applied in accordance with MIL-STD-129.
- b. **Gas-Particulate Filter (Dwg)(5-19-7435).** The filter shall be unit packed and marked in accordance with SPI P5-19-7435 (reference box 1), including shelf life and any special markings.
- c. **Outlet Transition (Dwg)(5-19-9482).** The transition shall be unit packed and marked in accordance with SPI P5-19-9482 (reference box 3), including shelf life and any special markings.
- d. **Fan (Dwg)(5-19-9431).** The fan shall be unit packed and marked in accordance with SPI P5-19-9431 (reference box 2).
- e. **Support Bracket Hardware.** Nut plate (5-19-9421), external band (5-19-9423) (with liner gasket, (5-19-9427), attached), hose clamps (A-A-52506) (16), specialty V-band coupling (00671-4305-1-506) and V-band coupling, (14242-413203E-506-SB) shall be individually wrapped in item 7 or 8 and secured with item 2 or 3. Inlet gasket (5-19-9426) shall be sandwiched between two pieces of item 4, sized to the dimension of the gasket and secured with item 2 or 3 on all four sides. The fasteners for the external band and the nut plate (PL5-19-8892) shall be placed in item 1 and closed by sealing, taping or stapling. [Bags (item 1) shall not be tested for heat seal and leakage characteristics.] The individually wrapped items and bagged fasteners shall then be placed inside the void in the support bracket (Dwg 5-19-9424). [The support bracket has the adapter assembly (5-19-9425) and support collar (5-19-9428) assembled in place.] The support bracket (with wrapped items and bagged fasteners inside), shall then be wrapped in item 6, secured with item 2 or 3, and placed in item 5. The closure of item 5 shall be in accordance with the ASTM D1974, using Closure Method 2B7.
- f. The packaged items, a through e above, shall be further packaged in accordance with the assembly sketch on page 4. The closure of item 9 shall be in accordance with the ASTM D6251, supplementary requirements.

(D) – Intermediate packaging is not required.

(E) – **Packing. Level A.** Unit pack will serve as the level A shipping container.

Level B. For level B shipments, substitute the domestic construction and closure requirements for the overseas requirements, for item 9.

SPECIAL PACKAGING INSTRUCTIONNATIONAL STOCK NUMBER
4240-01-231-6515NOMENCLATURE
100 CFM, 120V, 60 / 400 Hz, M93PAGE NUMBER
3 of 5SPI NUMBER (PN)
P5-19-8892

- (F)** – In addition to the standard markings required by MIL-STD-129, the following special markings shall be applied:
- Shelf Life
 - Packing list
 - Serial numbers as required
 - Other special markings required by the contract or order

CONTENTS TABLE**CONTENTS OF BOX 1**

1 5-19-7436 FILTER, GAS-PARTICULATE (100 CFM)

CONTENTS OF BOX 2

1 5-19-9431 FAN, 100 CFM, NBC

CONTENTS OF BOX 3

1 5-19-9482 TRANSITION OUTLET

CONTENTS OF BOX 4

1 5-19-9118 CONTROL MODULE, SYSTEM

CONTENTS OF BOX 5

1 5-19-9421 PLATE, NUT
1 5-19-9423 BAND, EXTERNAL (WITH GASKET LINER)
1 5-19-9424 BRACKET SUPPORT (WITH ATTACHED COMPONENTS)
1 5-19-9426 GASKET, INLET
2 ANSI B18.2.1 (32) SCREW, CAP
4 ANSI B18.2.1 (8) SCREW, CAP
4 MS27183-10 WASHER, FLAT
2 MS27183-12 WASHER, FLAT
2 A-A-52506 (16) CLAMP, HOSE
1 00671-4305-1-506 SPECIALTY V-BAND COUPLING

SPECIAL PACKAGING INSTRUCTION

NATIONAL STOCK NUMBER
4240-01-231-6515

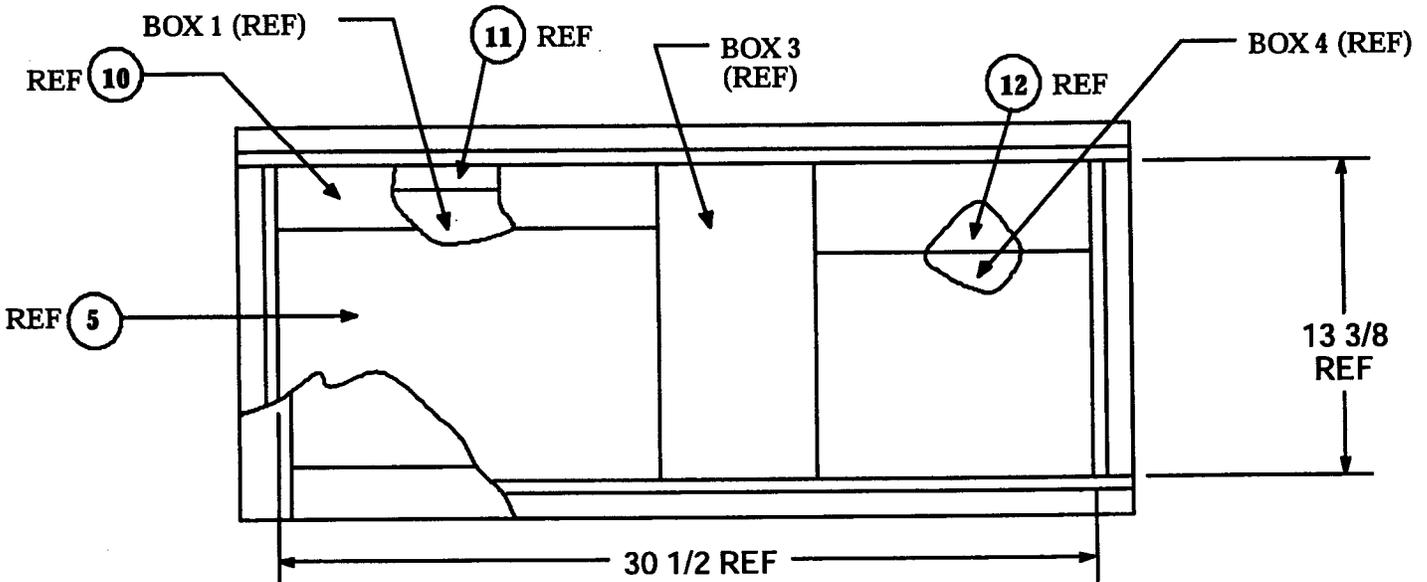
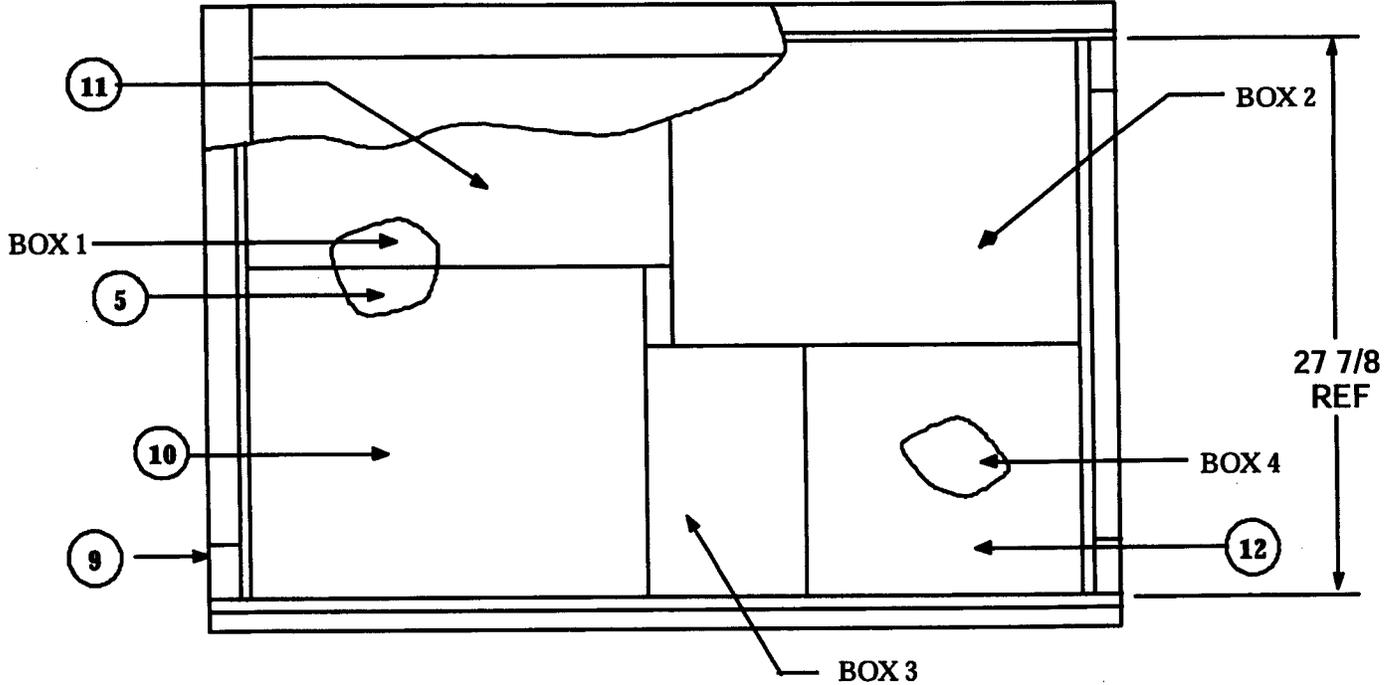
NOMENCLATURE
100 CFM, 120V, 60 / 400 Hz, M93

PAGE NUMBER
4 of 5

SPI NUMBER (PN)
P5-19-8892

UNIT PACK ASSEMBLY SKETCH

(See corresponding notes on pages 1, 2 and 3, and Parts List on page 5)



SCALE: NONE DRAWING FOR REFERENCE ONLY

SKID HAS BEEN OMITTED FOR CLAIRITY

SPECIAL PACKAGING INSTRUCTIONNATIONAL STOCK NUMBER
4240-01-231-6515NOMENCLATURE
100 CFM, 120V, 60 / 400 Hz, M93PAGE NUMBER
5 of 5SPI NUMBER (PN)
P5-19-8892**PARTS LIST**

QTY REQD	NOMENCLATURE	MATERIAL	SPECIFICATION	ITEM NO.
1	BAG	TYPE II, STYLE 2, SIZE 4 x 6, .006 INCH THK MAT'L, HEAT SEALABLE	MIL-DTL-117	1
AR	TAPE	TYPE IV, SIZE 2 IN. WIDE X 8 IN. LONG	ASTM D5486	2
AR	TAPE	SIZE 2 IN. WIDE X 8 IN. LONG	ASTM D5486	3
AR	STIFFENER	CORRUGATED FIBERBOARD, TYPE CF, CLASS DOMESTIC, GRADE 125	ASTM D4727	4
1	BOX, FIBERBOARD	TYPE CF, CLASS WR, STYLE RSC, GRADE W5c, VARIETY SW, SIZE 14 3/4 X 14 1/2 X 11 1/2 (L x W x D)	ASTM D5118	5
1	POLYETHYLENE SHEET	TYPE I, CLASS 1, GRADE A, FINISH 1 OR 2, SIZE 6 MIL (MINIMUM) X 55 LONG X 30 WIDE	A-A-3174	6
AR	CUSHIONING	GRADE II, CLASS OPTIONAL	A-A-1898	7
AR	CUSHIONING		PPP-C-1797	8
1	BOX, WOOD, WIREBOUND	CLASS 3, STYLES 1 OR 2, TYPE 2 LOAD, SIZE 30 1/2 X 27 7/8 X 13 3/8	PPP-B-585	9
1	BOX, WOOD, CLEATED-PLYWOOD	TYPE III, CLASS 2, STYLE B, TREATMENT B, LOAD TYPE 2, SIZE 30 1/2 x 27 7/8 x 13 3/8	ASTM D6251	
1	SPACER, POLYSTYRENE	TYPE I, CLASS 3 OR 4, GRADE SE, SIZE 15 X 15 X 1 3/8 THK	PPP-C-850	10
1	SPACER, POLYSTYRENE	TYPE I, CLASS 3 OR 4, GRADE SE, SIZE 15 1/2 X 12 5/8 X 1/2 THK	PPP-C-850	11
1	SPACER, POLYSTYRENE	TYPE I, CLASS 3 OR 4, GRADE SE, SIZE 12 1/2 X 7 X 5 1/2	PPP-C-850	12