

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

FILTERS, GAS-PARTICULATE, 600 CFM, ABC-M14A1; 1200 CFM, ABC-M15A1; 2500 CFM, ABC-M16A1; 500CFM, ABC-M17A1; 600 CFM, ABC-M14; 1200CFM, ABC-M15; 2500 CFM, ABC-M16; 500 CFM, ABC-M17

Headquarters, Department of the Army, Washington, D. C.
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1. General. a. Under the provisions of the QUADRIPARTITE STANDARDIZATION AGREEMENT (QSTAG) 214 among the Armies of the United States, United Kingdom, Canada, and Australia, the Armies of the United States, Canada, and Australia have approved the gas-particulate filters listed below as standard for the three Armies:

- Standard A -- 600 CFM, ABC-M14A1
1200 CFM, ABC-M15A1
2500 CFM, ABC-M16A1
5000 CFM, ABC-M17A1
- Standard B -- 600 CFM, ABC-M14
1200 CFM, ABC-M15
2500 CFM, ABC-M16
5000 CFM, ABC-M17

b. It is agreed that the filters produced in the three countries will be manufactured so that the filters will be functionally and dimensionally interchangeable

2. Description. The gas-particulate filters (para 1a) are designed to remove chemical, biological, and radiological contamination from air which is forced through them. They are intended primarily to be used in the filter units listed in table 1. They can also be used in the air intakes to ventilating systems or air-conditioning systems. Standard A series of gas-particulate filters are improved models of the standard B series of filters. Each gas-particulate filter consists of gas filters and a particulate filter sealed in a frame. Table 1 lists the overall dimensions, uncrated weight, and the filter unit in which each gas-particulate filter is used.

*This bulletin supersedes TB 34-9-59, 5 March 1962

Table 1.

Filter	Overall dimensions (inches)			Weight uncrated (pounds)	Use
	H	W	L		
M14A1	25 1/2	26 1/4	34 7/8	310	M9A2 Filter Unit
M15A1	25 1/2	26 1/4	62 3/8	550	M10A2 Filter Unit
M16A1	25 7/8	48 3/4	62 1/4	1,090	M11A2 Filter Unit
M17A1	48 3/8	48 3/4	62 3/8	2,240	M12A2 Filter Unit
M14	25 1/2	25 1/2	34 3/8	310	M9 Filter Unit
M15	25 1/2	25 1/2	62	550	M10 Filter Unit
M16	25 1/2	48	62	1,090	M11 Filter Unit
M17	49 1/2	49 1/2	62	2,240	M12 Filter Unit

3. Applicable Specifications.

- MIL-F-51224 (MU) -- Filters, Gas-Particulate, 600, 1200, 2500, and 5000 CFM; ABC-M14A1. ABC-M15A1, ABC-M16A1 and ABC-M17A1
- MIL-F-50051 (CmIC) -- Filter, Gas and Particulate, 600 CFM, M14
- MIL-F-50052 (CmIC) -- Filter, Gas and Particulate, 1200 CFM, M15
- MIL-F-50053 (CmIC) -- Filter, Gas and Particulate, 2500 CFM, M16
- MIL-F-50054 (CmIC) -- Filter, Gas and Particulate, 5000 CFM, M17

4. References.

- Quadripartite
Standardization
Agreement-214
Armies Standardization -- Program -- Filter, Gas-Particulate: 600 CFM, ABC-M14:1200 CFM, ABC-M15; 2500 CFM, ABC-M16; 2500 CFM, ABC-M17; 600 CFM, ABC-M14A1; 1200 CFM, ABC-M15A1; 2500 CFM, ABC-M16A1; 5000 CFM, ABC-M17A1.
- TM 3-4240-203
Accessory Equipment for Protective Shelters.
- TM 3-1240-208-12
Operator and Organizational Maintenance Manual: Filter Unit, Gas-Particulate, EMD, 600 CFM, M9.
- TM 3-4240-208-20P
Organizational Maintenance Repair Parts and Special Tool Lists: Filter Unit, Gas-Particulate EMD, 600 CFM, M9.
- TM 3-4240-208-35
Field and Depot Maintenance Manual: Filter Unit, Gas-Particulate, EMD, 600 CFM, M9.
- TM 3-4240-208-35P
Field and Depot Maintenance Repair Parts and Special Tool Lists: Filter Unit, Gas-Particulate, EMD, 600 CFM, M9.
- TM 3-4240-210-12
Operator and Organizational Maintenance Manual: Filter Unit, Gas-Particulate, EMD, 2500 CFM, M11.
- TM 3-4240-210-20P
Organizational Maintenance Repair Parts and Special Tool Lists: Filter Unit, Gas-Particulate, EMD, 2500 CFM, M11.
- TM 3-4240-210-35
Field and Depot Maintenance Manual: Filter Unit, Gas-Particulate, EMD, 2500 CFM, M11.
- TM 3-4240-210-35P
Field and Depot Maintenance Repair Parts and Special Tool Lists: Filter Unit, Gas-Particulate, EMD, 2500 CFM, M11.
- TM 3-4240-211-12
Operator and Organizational Maintenance Manual: Filter Unit, Gas-Particulate. EMD, 5000 CFM, M12.
- TM 3-4240-211-20P
Organizational Maintenance Repair Parts and Special Tool Lists: Filter Unit, Gas-Particulate, EMD, 5000 CFM, M12.

TM 3-4240-211-35
TM 3-4240-211-35P
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Field and Depot Maintenance Manual: Filter Unit, Gas-Particulate, EMD, 5000 CFM, M12.
Field and Depot Maintenance Repair Parts and Special Tool Lists: Filter Unit, Gas-Particulate, EMD, 5000 CFM, M12.
Operation and Maintenance Manual; Filter Unit, Gas-Particulate, EMD, 600 CFM, M9A1; and Filter Unit, Gas-Particulate, MED, 1200 CFM, M10A1.

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NG: None

USAR: None

For explanation of abbreviations used, see AR 320-50.

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RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

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