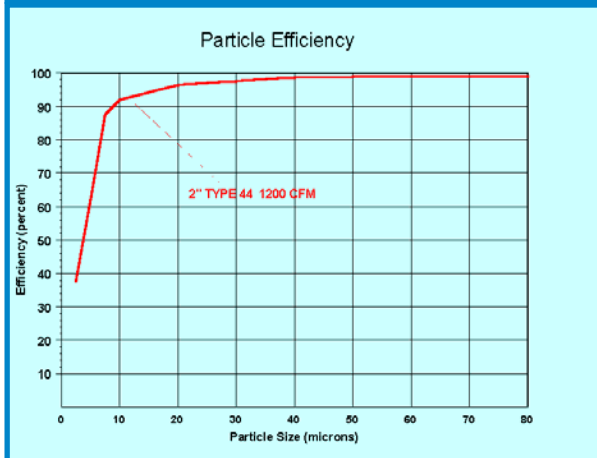


type 44

High-Velocity Permanent Panel Air Filters



Permanent Air Filters for the Elimination of Particulate, Oil, or Water Mists



Particle droplet efficiency at 1200 cfm.

Camfil Farr Type 44 high-velocity air filters are cleanable, low pressure-drop, permanent panels for industrial and commercial applications.

All standard Type 44 air filters include:

- A 16-gauge galvanized steel frame capable of withstanding the rigors of many system removals and filter replacements during standard maintenance cycles
- A media formed of alternate layers of flat and herringbone-crimp galvanized steel screen offering more than 90% efficiency on particles 10-micron and larger
- Flush mitered corners for safe handling and easy installation into filter tracks
- Reinforced internal steel rods to assure filter pack integrity at varying airflows
- Permanent media-to-frame fasteners to assure filter integrity after repeated handlings and cleanings

Additional variations are available as follow:

- **Type 44H** - Includes bail handles on long dimensions of filter
- **Type 44G** - Specific to grease removal applications (non-oiled only)
- **Type 44R*** - Includes additional layer of expanded metal on air-entering and air-exiting sides
- **Type 44HG** - Grease application with handles
- **Type 44HGE*** - Grease application with expanded metal on handle side only
- **Type 44 MZ*** - Hot-dipped galvanized frame and zinc finished media for maritime applications
- **Type C4C4*** - Red brass frame with bronze media for maritime applications and water mist elimination
- **Type S4S4*** - Stainless steel media and frame
- **Type M4M8*** - Four layers of monel 18-mesh media in monel frame
- **Type A4A4** - Aluminum media and frame
- **Type 48*** - 18 mesh screen
- **Type 68*** - Six layers, per inch, of 18-mesh screen
- **Type 44-68** - includes a 2" section of Type 44 media followed by 2" of Type 68 media in 4" depth panel

* Not available in a 1" panel



Camfil Farr	Product sheet
Type 44	2001 - 0704
Camfil Farr—clean air solutions	

PERFORMANCE DATA

Type 44 Permanent Air Filters

NET FACE VELOCITY (fpm)	PRESSURE LOSS (inches w.g.)			AIRFLOW (cfm)				
	ACTUAL FILTER DEPTH			SIZE 20" X 16"	SIZE 25" X 16"	SIZE 20" X 20"	SIZE 25" X 20"	SIZE 24" X 24"
	1" FILTER	2" FILTER	4" FILTER					
346	0.051	0.06	0.120	625	795	800	1020	1190
390	0.062	0.07	0.146	700	895	900	1145	1340
433	0.075	0.09	0.176	780	995	1000	1275	1490
476	0.081	0.10	0.192	860	1095	1100	1400	1635
519	0.100	0.12	0.235	935	1195	1200	1530	1785
563	0.115	0.14	0.272	1015	1290	1300	1655	1935
606	0.128	0.16	0.308	1090	1390	1400	1780	2085
650	0.145	0.19	0.345	1170	1490	1500	1910	2235
693	0.160	0.21	0.382	1250	1590	1600	2035	2380

DATA NOTES:

All filters except 44G and 44HG are available oiled or not oiled.

Consult your authorized Camfil Farr Distributor or Representative for installation drawings for built-up bank construction or side-access housings options.

Type 44 filters may be used in high temperature applications. Temperature limit is based upon components of construction, consult factory for assistance.

SPECIFICATIONS

1.0 General (Standard Type 44)

1.1 - Air filter shall be cleanable, all-metal, impingement panel type. The filter shall consist of an all-metal enclosing frame and alternate layers of flat and herringbone-crimp screen media.

1.2 - Sizes shall be as noted on the enclosed drawings or other supporting materials. Such materials shall also define whether filters are to be oiled or not oiled.

2.0 Construction

2.1 - Filter media shall be multiple layers of flat and herringbone-crimped screen. There shall be at least four screen layers per media pack inch. The media pack shall be permanently fastened to the enclosing frame to maintain filter pack rigidity.

2.2 - The enclosing frame shall be manufactured of 16-gauge galvanized steel. Frame corners shall be flush, mitered, and reinforced for rigidity.

2.3 - Reinforcing rods of 1/8" steel shall assist in maintaining a rigid and durable filter pack.

2.4 - The filter shall be permanently identified as to the top of the filter for installation guidance.

3.0 Performance

3.1 - When installed vertically, the filter shall be 98% efficient on 20-micron size contaminant when operating at a velocity of 500 fpm face velocity. Initial resistance to airflow shall not exceed 0.12" w.g. at 3.6 cfm per square inch of filter face area.

3.2 - Manufacturer shall provide evidence of facility certification to ISO 9001:2000.

Camfil Farr has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.

Camfil Farr, Inc.

United States Tel: (973) 616-7300 Fax: (973) 616-7771

Canada Tel: (450) 629-3030 Fax: (450) 662-6035

E-mail: camfilfarr@camfilfarr.com

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