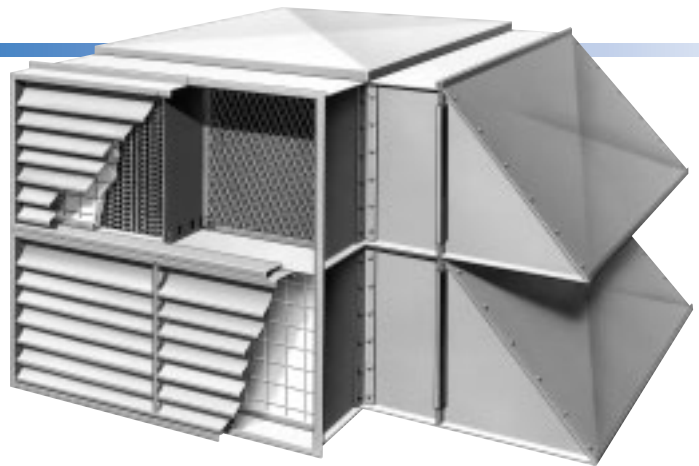


UF-H Filter/Silencer

*For Engine, Compressor,
And Blower Intake Air
Cleaning/Silencing
Applications*



ECONOMICAL AND VERSATILE

A versatile filter housing designed to accommodate any 24" x 24" filter or pre-filter combination, the UF-H series is ideal for engine, compressor, and blower intake air cleaning applications.

One universal housing makes installation of any unit filter or pre-filter combination quick and easy. The unique, adjustable locking mechanism provides positive sealing, as well as, quick release for filter service or replacement.

The UF-H Housing will hold 8 different filter combinations for pulsating and smooth flow conditions. Accommodating a variety of filters including Type OC, AmerKleen M-80, and DuraCel® XL Series with pre-filter; upgrades to more efficient filtration are easy.

The housings are fabricated of mill-applied galvanized steel and manufactured to ensure rigid, air-tight construction. Standard houses are available in 12 sizes, offering a capacity range from 1,000 CFM up to 36,000 CFM. Available with lift-off, mill-applied galvanized weather hoods or weather louvers; the UF-H Housing is ideal for outdoor installation.

All engines, compressors, and blowers require an intake air filtration system to protect the internal components against erosion and corrosion from dust and mist. Intake air filters also serve to filter the incoming air for use in processes where contamination is a factor.

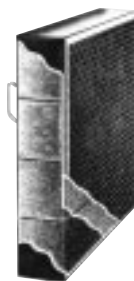
AIR FILTER SELECTION

AAF manufactures three unit type air filters, which have been designed specifically for use with engines, compressors, and blowers; the viscous impingement filters: Type OC (permanent washable), AmerKleen M-80 (throwaway pad), or the high efficiency dry type filters including DuraCel® XL.

- Type OC permanent washable filters are suggested for severe pulsating airflow.
- AmerKleen M-80 throwaway pads and DuraCel® XL high efficiency dry type filters are suggested for constant or smooth airflow.

PULSATING AIRFLOW

AAF Type OC is a heavy-duty filter designed for applications with severe pulsating airflow and normal to light dust concentrations. The media consists of continuous strands of double crimped galvanized wire, securely packed under hydraulic pressure to withstand rigorous airflow. The dense media coated with Viscosine® adhesive, provides extremely high dust holding capacity and high filtering efficiency.



The OC filter is constructed with a piece of 1" mesh expanded metal, on both the air entering and leaving sides, to secure the crimped wire media. Tack-welded to the cell side; the expanded metal bonds the filter cell into one integral unit, for maximum rigidity.

The OC filter can be washed and recharged as many times as is required. Service life between washings is determined only by the maximum allowable pressure drop and dust holding capacity. Many Type OC filter cells have been in active service for over 20 years.

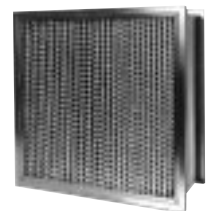
SMOOTH AIRFLOW

AAF AmerKleen M-80 is a disposable type, adhesive-impregnated glass fiber air filter. Contained in a permanent hinged frame, AmerKleen is suitable for engines, smooth flow compressors, and turbo blowers.

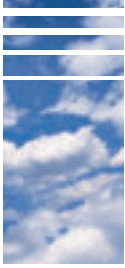


Where higher cleaning efficiency is required, the AmerKleen M-80 serves as a pre-filter, extending the operating life of the high efficiency final filter.

AAF DuraCel® XL is a heavy-duty, high efficiency unit filter, developed for the rotating machinery industry.



The DuraCel XL is available in two styles: the XL60 standard selection, and the XL90 for high efficiency. Galvanized metal cell sides and header flanges with metal face guards on both the air entering and leaving sides, protect the high efficiency filter media and enable the DuraCel XL to handle accidental surging and reverse airflow up to 300°F temperatures.

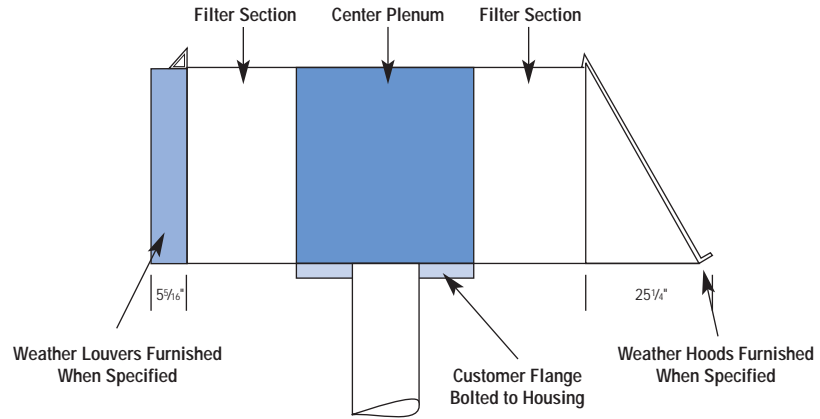


UF-H Filter/Silencer

WORLD CLASS QUALITY

During the entire production process, our operations are governed by our ISO 9001 certified system.

WEATHER PROTECTION OPTIONS



UF-H SIZES

Filter	1	2	3	4 (Arr. 2)	4 (Arr. 4)	6	8 (Arr. 4)	8 (Arr. 2L)	10	12	16	18
Type OC	1200	2400	3600	4800	4800	7200	9600	9600	12000	14400	19200	21600
AmerKleen (M-80)	2000	4000	6000	8000	8000	12000	16000	16000	20000	24000	32000	36000
DuraCel XL60	2000	4000	6000	8000	8000	12000	16000	16000	20000	24000	32000	36000
DuraCel XL90	2000	4000	6000	8000	8000	12000	16000	16000	20000	24000	32000	36000

ENGINEERING DATA

Nominal Cell Size	24" x 24" x 12"	24" x 24" x 12"
Resistance to Airflow (Clean Cell)	0.5" W.G.	0.7" W.G.
Cleaning Efficiency (AC Fine)	98.2%	99.95%
Dust Holding Capacity @ 2.5" W.G.	1060 grams	1200 grams
Capacity Per Cell	up to 2500 CFM	up to 2500 CFM
Recommended Final Resistance	2.5" W.G.	2.5" W.G.

Octave Band	1	2	3	4	5	6	7	8
Center Frequency Hertz	63	125	250	500	1000	2000	4000	8000
Insertion Loss @ 0 CFM and 0.00" S.P.	2	2	2	3	6	7	11	16
Insertion Loss @ 2,000 CFM and .675" S.P.	2	2	3	3	6	7	11	16

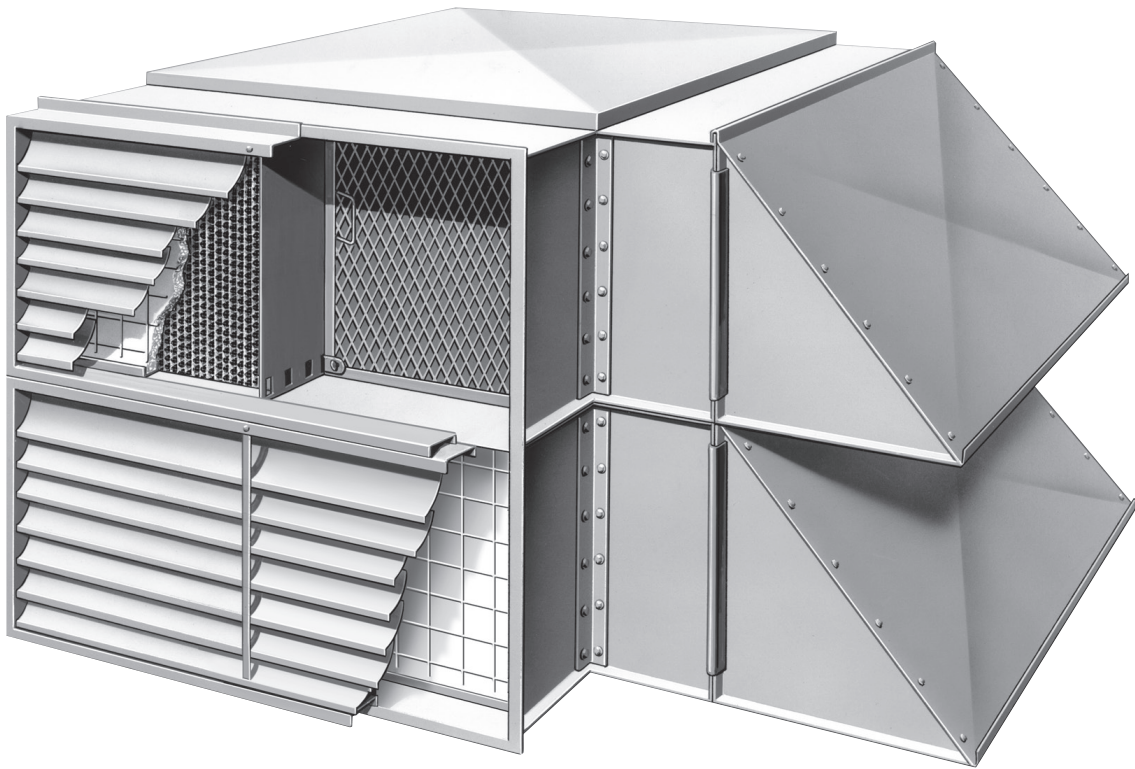
Note: S.P. = Static Pressure measured in inches of H₂O.



AmericanAirFilter®

UH-F Filter/Silencer

*For Engine, Compressor, and
Blower Intake Air Cleaning/Silencing Applications*



AmericanAirFilter®

UH-F Filter/Silencer

1.0 Installation Instructions

The UF-H is a completely self-contained factory-assembled intake air filtration system designed to accommodate nine different filter combinations. This flexibility permits ideal filter selection for pulsating and smooth flow conditions. The UF-H is ready for immediate installation at the jobsite. Installation consists of the following:

- A. Connecting unit to inlet flange of the machine.
- B. Bolting to suitable foundation.
- C. Insertion of any unit filter or prefilter combination made possible by a unique, adjustable locking mechanism which provides positive sealing and quick release for filter service and replacement.
- D. If pressure switch provided, run circuitry from pressure switch to alarm.
- E. Attachment of weather hoods or weather louvers when UF-H is used for outdoor installation.

2.0 Operating Instructions

The UF-H is a versatile filter housing designed to accommodate any 24" x 24" filter and/or prefilter combination. The UF-H is ideal for engine, compressor, and blower intake air cleaning applications.

Permanent Aluminum, AMERKleen M-80, XL60, and XL90 DuraCel filters are used on equipment having constant or smooth flow.

The UF-H housings are fabricated from 11 and 14 gauge, mill galvanized steel and are bolted together to insure rigid air-tight construction. Standard houses are available in 10 sizes offering a capacity range from 1,000 CFM up to 36,000 CFM.

3.0 Maintenance Instructions

3.1 Filter Element Maintenance

- A. The Permanent Aluminum filter is designed to be used in applications having only constant air flow. The Permanent Aluminum filter is a high capacity, low resistance unit designed to operate at velocities up to 500 FPM.
- B. AMERKleen filter is a disposable type, adhesive-impregnated glass fiber air filter held in a permanent hinged frame suited for use on engines, smooth flow compressors, and turbo blowers. The AMERKleen M-80 pad is used as a single-stage filter or as a prefilter where higher cleaning efficiency is required.
- C. The DuraCel is a heavy-duty, high efficiency, industrial, disposable filter. The DuraCel is available in four styles, the XL60, and XL90. All galvanized metal cell sides, header flanges with metal face guards on the air entering and air leaving sides provide protection for the higher efficiency filter media.

3.2 Routine Maintenance

The only maintenance required on the UF-H filter house is periodic replacement of the prefilter pads, cleaning of the permanent type filter cells, and replacement of the disposable filter cells.

Below is a listing of recommended maximum pressure drops for each filter:

- A. Permanent Aluminum filter 0.5" W.G.
- B. AMERKleen M-80 pad 1.5" W.G.
- c. DuraCel XL60, and XL90 2.5" W.G.



AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

ISO Certified Firm