



# AIR CONTROL INDUSTRY

HIGHEST PRODUCT QUALITY FOR BEST AIR QUALITY



## **FLEX** “METALLIC FILTER”



### WASHABLE PANEL FILTER

#### PRE-FILTER:

- ▶ Flex “FMF” has Long lasting metallic frame construction which offers great resistance in harsh operating conditions.
- ▶ Consists of multiple layers of pleated metal wire mesh formed into a compact maze of dirt catching surfaces creating an effective dust holding barrier for dust laden particles.
- ▶ The filter media is available in galvanized steel, stainless steel and aluminium construction.
- ▶ The Multi layered media is held in place by expanded metal mesh grid on both the air inlet and air outlet sides.
- ▶ Permanent washable metal air filters suitable for heavy duty industrial and commercial airconditioning systems.



- ▶ Excellent dust holding capacity and ability to perform in high moisture conditions.
- ▶ Reduces grease deposits on extract kitchen duct work and fixtures with cost saving benefits, such as reducing frequency of duct cleaning maintenance, reducing risk of fire, prolonging life
- ▶ span of fans and motors and overall promotes health and safety in kitchens.
- ▶ Can be used as Pre filters to more expensive high efficiency filters in HVAC fresh air intake applications.
- ▶ The filter can be cleaned with compressed air (Low pressure) or it can be cleaned with a solution of water and detergent.
- ▶ Standard frame is made of galvanized steel (ask for aluminium or SS).
- ▶ Available in all sizes, please ask !!

## APPLICATIONS

- ▶ Oil / Grease removal in Kitchen Extract Applications
- ▶ Intake and exhaust air systems for Heavy Industries
- ▶ Removal of airborne moisture Droplets and mist particulate
- ▶ High Temperature Applications
- ▶ Heavy duty Industrial Applications
- ▶ Packaged Units
- ▶ Fan Coil Filters
- ▶ Pre filter in Air handling units
- ▶ Warm Air Furnaces
- ▶ Offices, Factories, Hospitals, Laboratories & Food processing

## Technical specifications

Model	MTF
Type	Panel / Flat
Media	Pleated metal mesh
Frame	Galvanized steel standard(AL/SS optional)
Filter Grade (EN 779)	G2
Filter Grade (ASHRAE 52.2)	MERV 4
Frame depth (inches)	½", 1" & 2"
Maximum humidity	100%
Maximum temperature	120°C
Maximum final pressure drop	1.00" wg
Flammability	UL 900 Classified
Mounting options	Front and side access frames and housings are available

### NOTE :

- ▶ Non-standard sizes are available on request.
- ▶ Due to continuous improvements, Air Control Industry holds the right to make technical changes without prior notice.

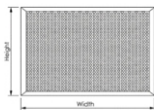
## SELECTION CHART – METALLIC FILTERS

Model  Flex MTF (G2 / MERV 4)	Actual dimensions (inches)			AIR FLOW				Resistance (inches W.G.)	
				CFM	CFM	CMH	CMH		
	Width	Height	Depth	Vel@ 350fpm	Vel@ 500fpm	Vel@ 1.78m/s	Vel@ 2.54m/s	Vel@350fpm 1.78m/s	Vel@500fpm 2.54m/s
24" x 24" x 1"	23.3	23.3	0.86	1400	2000	2380	3400	0.39	0.49
12" x 24" x 1"	11.3	23.3	0.86	700	1000	1190	1700	0.39	0.49
24" x 24" x 2"	23.3	23.3	1.88	1400	2000	2380	3400	0.39	0.49
12" x 24" x 2"	11.3	23.3	1.88	700	1000	1190	1700	0.41	0.52

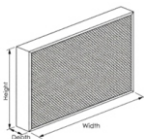
## MODEL SELECTION GUIDE

▶ Flex MTF-24x24x1-G2    ▶ F - Flex    ▶ MTF – Metallic filter    ▶ G2 – Grade

## SIZE SELECTION



Front View



General Isometric view

Engineered Air Distribution Products

Highest product quality for best air quality

**AIR GRILLES | AIR DIFFUSERS | LOUVERS | FILTERS | DAMPERS**

## AIR CONTROL INDUSTRY

Factory 6, New Industrial Area,  
Umm al Quwain, UAE

Mob & Whatsapp : +971 55 176 5322  
www.aircontrol.ae  
sales@aircontrol.ae

The statements made in this brochure or by our representatives in consequence of any enquiries arising out of this document are given for information purposes only. They are not intended to have any legal effect and the company is not to be regarded as bound thereby. The company will only accept obligations which are expressly negotiated for and agreed and incorporated into a written agreement made with its customers. Due to a policy of continuous product development the specification and details contained herein are subject to alteration without prior notice.