



CIRCUL-AIRE

## Multi-Mix Gas-adsorption Media



- **Control corrosive gases**
- **Control odorous gases**
- **Select media to match the gases present**
- **Uniform size and high crush strength pellets**
- **Superior media porosity for longer life**
- **Superior retentivity of contaminants**
- **- 40°C to +50°C, 10% to 95% RH**
- **Analytical 'Tech-Chek' program available**

*Air Care Technology Ltd continuously strives to improve the design and quality of our products, and we reserve the right to change or discontinue any product at our discretion without notice or obligation.*

**Air Care**  
TECHNOLOGY LTD

*Clean Air Systems and Products*

## Multi-Mix Media

Multi-Mix is a proven filter media which provides continuous purification of corrosive, odorous and toxic contaminants in industrial and commercial environments. Multi-Mix media combines the adsorption properties of activated carbon with the oxidation properties of chemically impregnated alumina.

There are four basic media types which have different chemical compositions. Combinations of Multi-Mix medias can be formulated to suit specific environmental conditions.

## Industrial and Commercial Applications

Multi-Mix is used to control corrosive gases such as SO<sub>2</sub>, H<sub>2</sub>S, Cl<sub>2</sub> and NH<sub>3</sub> which attack delicate process control equipment in heavy industry. In light industry, it is used to eliminate malodorous and nuisance odors which, affect people's health

and well being. Multi-Mix is very efficient in the commercial and institutional sectors where airborne contaminants are created from human activities, operating equipment, furniture, construction materials and outdoor contaminants.

## Packaging Options

- 1 cubic foot carton boxes
- Plastic pails
- 7 cubic foot drums
- 910 kg Super-Sacs



## Tech-Chek Program

Analytical follow-up is available through Circul-Aire's Tech-Chek program. To ensure maximum efficiency of our products, a report establishing media consumption rate and performance will be provided.

MM-1000	MM-3000	MM-7000	MM- 9000
Multi-Mix MM-1000 is produced in 1/8" diameter spherical purple pellets composed of activated alumina impregnated with potassium permanganate. Molecules are collected by the activated alumina by adsorption and absorption and then oxidised to an odourless non-corrosive product by the potassium permanganate.	Multi-Mix MM- 3000 consists of a coal based activated carbon of 1/8" diameter cylinders. The carbon is 'activated' by processing to create porous particles with very high internal surface area. Activated carbon is used for a wide range of contaminants with higher affinity to specific gases.	Multi-Mix MM- 7000 is manufactured in 1/8" diameter cylinders and consists of activated carbon impregnated with phosphoric acid. Phosphoric acid is impregnated into the carbon to provide enhanced efficiency and capacity for base type molecules. After adsorption, a chemical reaction follows to neutralize the contaminants.	Multi-Mix MM- 9000 is manufactured in 1/8" diameter cylinders and consists of activated carbon impregnated with potassium hydroxide. Potassium hydroxide is impregnated into the carbon to provide enhanced efficiency and capacity for acid type molecules. After adsorption, a chemical reaction follows to neutralize the contaminants.

	MM-1000	MM-3000	MM-7000	MM-9000
Apparent Density	800 kg/m <sup>3</sup>	480 kg/m <sup>3</sup>	550 kg/m <sup>3</sup>	550 kg/m <sup>3</sup>
Average Pellet Diameter	3.5 mm	3 mm	4 mm	3 mm
Substrate Surface Area	250 m <sup>2</sup> /g	1000 m <sup>2</sup> /g	1000 m <sup>2</sup> /g	1250 m <sup>2</sup> /g
H <sub>2</sub> S Capacity	0.1g H <sub>2</sub> S/cc	—	—	0.16g H <sub>2</sub> S/cc
Substrate CTC	—	70 wt%	60 wt%	70 wt%
Pressure Drop @ 0.25 m/s	820 Pa/m	1400 Pa/m	1480 Pa/m	1400 Pa/m



Related Products:

PAPWORTH ENGINEERING MM Multi-Mix  
 PAPWORTH ENGINEERING Gas-Phase Filtration  
 AirCare Sulphur Treat

Data Sheet:

E54158  
 E54140  
 E54106