

MULTI-MIX® MEDIA

TYPE: MM-3000



MULTI-MIX® MEDIA

Circul-Aire manufactures a wide variety of unique MULTI-MIX® chemical filter media specially designed to remove an extensive range of contaminants from the air. Circul-Aire's MULTI-MIX® chemical filter media, used either individually or in combination, provide continuous purification of air containing corrosive, odorous, and toxic contaminants in both commercial and industrial environments

Coal Based Activated Carbon

Circul-Aire's MM-3000 MULTI-MIX® media is a pelletized activated carbon for removing a variety of odor-causing organic compounds and volatile organic compounds (VOC's) through physical adsorption. Circul-Aire's MM-3000 MULTI-MIX® media is manufactured and activated from a unique bituminous coal substrate, with a low pressure drop and a high adsorptive removal capacity.

COMBINED PROPERTIES

Moisture (maximum):	2 wt%
Hardness (minimum):	95 wt%
Particle Diameter:	3 mm
Substrate CTC (minimum):	70 wt%
Substrate Surface Area:	1,250 m ² /g
Shape:	Pellet
Apparent Density:	30lb./ft ³
Ash Content:	12% maximum
Pressure Drop @ 50 fpm (0.25 m/s):	1.7 in. of water/ft. of bed

PERFORMANCE GUIDELINES

Circul-Aire's MM-3000 MULTI-MIX® media functions under the following conditions

- Temperature: -20°C to 46°C (-4°F to 115°F)
- Humidity: No Condensation
- Airflow: Ranging from less than 25 cfm (42.5 m³/hr.) to over 100,000 cfm (169,920 m³/hr.), with velocities from 50 fpm (0.254 m/s) to 500 fpm (2.54 m/s)

ADVANTAGES

- Non-toxic and nonhazardous
- nonflammable
- Compatible with other Circul-Aire MULTI-MIX® media
- Circul-Aire laboratory testing and analysis available to determine remaining service life, through Circul-Aire's TECH-CHEK™ Service

SAFETY PRECAUTIONS

- Wet activated carbon readily adsorbs atmospheric oxygen. Dangerously low oxygen levels may exist in closed vessels or poorly ventilated areas. **Workers should follow federal, provincial/state, and local safety guidelines for entering oxygen-depleted areas Keep away from heat and flammable materials**
- Keep away from heat
- Store in a cool, dry area, away from incompatible materials
- **Workers should follow federal, provincial/state, and local safety guidelines when disposing of MULTI-MIX® chemical media**
- Always wear protective eye-wear and gloves when handling chemical media
- Refer to Material Safety Data Sheet (M.S.D.S.) for further information
- Handle in a well-ventilated area

QUALITY CONTROL

Circul-Aire's MM-3000 MULTI-MIX® media undergoes the following quality control tests before shipment:

- Butane Activity
- Moisture Content
- Bulk Density
- Size Distribution

PACKAGING

Circul-Aire's MM-3000 MULTI-MIX® media is available in 1-cu. ft. boxes and 6-cu. ft. or 20-cu. ft. super sacks.

TECH-CHEK™ SERVICE

Circul-Aire's TECH-CHEK™ Service is offered on an ongoing basis to all its clients at no additional charge. Samples of Circul-Aire's MULTI-MIX® chemical media, which are ideally taken quarterly from the client's filtration equipment, are sent to Circul-Aire's in-house, ISO-Certified laboratory, where the media is analyzed for Life Expended. Via a detailed report to the client, Circul-Aire's TECH-CHEK™ Service not only provides a precise maintenance schedule, but also ensures the highest performance of Circul-Aire's equipment at the most economical cost.

