

MULTI-MIX® MEDIA

TYPE: MM-9000LP



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.

Activated Carbon Impregnated with Potassium Hydroxide

Circul-Aire's MM-9000LP MULTI-MIX® media is a pelletized activated carbon impregnated with potassium hydroxide for enhanced performance in removing acid gases, such as Hydrogen Sulfide (H₂S), Sulfur Dioxide (SO₂), Chlorine (Cl₂), and Hydrochloric Acid (HCl) from contaminated air streams. Circul-Aire's MM-9000LP MULTI-MIX® media is a chemiluminescent manufactured from a unique bituminous coal substrate, with a low pressure drop and a high adsorptive removal capacity.

COMBINED PROPERTIES

H ₂ S Capacity (minimum):	0.16g H ₂ S/cc
Moisture:	15 wt%
Substrate Hardness:	95 wt%
Particle Diameter:	4 mm
Substrate CTC:	70 wt%
Substrate Surface Area:	1,250 m ² /g
Shape:	Pellet
Apparent Density:	0.61 g/cc (40 lb./ft ³)
Pressure Drop @ 50 fpm (0.25 m/s):	1.1 in. of water/ft. of bed

PERFORMANCE GUIDELINES

Circul-Aire's MM-9000LP MULTI-MIX® media functions under the following conditions:

- Temperature: -20°C to 51°C (-4°F to 125°F)
- Humidity: 10% to 95% RH
- 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 (0.305 m/s) to 500 fpm (2.54 m/s)

ADVANTAGES

- Low pressure drop
- Maximum removal capacity for H₂S by weight
- Longer protection of equipment with less frequent media change-outs
- Compatible for use in all carbon-based air filtration systems
- Non-describing
- Non-toxic
- Supportive of bacterial or fungal growth
- 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-9000LP MULTI-MIX® media undergoes the following quality control tests before shipment:

- Phosphoric Acid Content
- Moisture Content
- Size Distribution
- Bulk Density

PACKAGING

Circul-Aire's MM-9000LP MULTI-MIX® media is available in 1-cu. ft. boxes.

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.

