

MULTI-MIX® MEDIA TYPE: MM-1955

CHEMICAL MEDIA SPECIFICATION



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.

MM-1000 / MM-9000

Circul-Aire's MM-1955 MULTI-MIX® media is a 50/50 blend of MM-1000, activated alumina impregnated with potassium permanganate, and MM-9000, coal-based activated carbon impregnated with potassium hydroxide. Circul-Aire's MM-1955 MULTI-MIX® media provides enhanced performance in controlling compounds usually controlled by MM-1000 and MM-9000. The combined benefits of both media are realized in one bed. Note that custom blends are available for specific applications.

Refer to the specifications for MM-1000 and MM-9000 for product descriptions

COMBINED PROPERTIES

Apparent Density:	0.74 gm/cc (46.5 lb./ft ³)
Pressure Drop @ 50 fpm (0.25 m/s):	1.45 in. of water/ft. of bed

PERFORMANCE GUIDELINES

Circul-Aire's MM-1955 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 60 fpm (0.305 m/s) to 500 fpm (2.54 m/s)

QUALITY CONTROL

Circul-Aire's MM-1955 MULTI-MIX® media undergoes the following quality control tests before shipment:

- Potassium Permanganate Content
- Potassium Hydroxide Content
- Moisture Content
- Size Distribution
- Bulk Density
- Compaction



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ADVANTAGES

- Non-toxic and nonhazardous
- Non-desorbing
- Unsupportive of bacterial or fungal growth
- Successfully controls a wide variety of odorous and contaminant compounds
- Can be employed in smaller systems (i.e. one-stage vs. two-stage)
- 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

PACKAGING

Circul-Aire's MM-1955 MULTI-MIX® media is available in 1-cu. ft. boxes and 6-cu. ft. or 20-cu. ft. super sacks.

Unless otherwise specified, MM-1955 is supplied in 1-cu. ft. plastic-lined corrugated boxes.

SAFETY PRECAUTIONS

- Avoid contact with easily oxidizable matter
- Keep away from heat and flammable materials
- Handle in a well-ventilated area
- Store in a cool, dry area, away from incompatible materials
- Always wear protective eyewear and gloves when handling chemical media
- **Workers should follow federal, provincial/state, and local safety guidelines when disposing of MULTI-MIX® chemical media**
- Refer to Material Safety Data Sheet (M.S.D.S.) for further information

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.

Circul-Aire Inc. reserves the right to make any changes in the design or specifications of any product, at any time, without prior notice.

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