

# MULTI-MIX® MEDIA

## TYPE: MM-3000C



### 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.

#### Coconut Shell Based Activated Carbon

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

### COMBINED PROPERTIES

|                                    |                             |
|------------------------------------|-----------------------------|
| Moisture (maximum):                | 2 wt%                       |
| Hardness (minimum):                | 95 wt%                      |
| Particle Diameter:                 | 4 x 8 mesh                  |
| Substrate CTC (minimum):           | 60 wt%                      |
| Substrate Surface Area:            | 1,000 m <sup>2</sup> /g     |
| Shape:                             | Chips                       |
| Apparent Density:                  | 30lb./ft <sup>3</sup>       |
| Ash Content:                       | 4%                          |
| Pressure Drop @ 50 fpm (0.25 m/s): | 2.4 in. of water/ft. of bed |

### PERFORMANCE GUIDELINES

Circul-Aire's MM-3000C 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 m<sup>3</sup>/hr.) to over 100,000 cfm (169,920 m<sup>3</sup>/hr.), with velocities from 50 fpm (0.254 m/s) to 500 fpm (2.54 m/s)

### ADVANTAGES

- Non-toxic and nonhazardous
- 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-3000C MULTI-MIX® media undergoes the following quality control tests before shipment:

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

### PACKAGING

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

### 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.

