PRODUCT SPECIFICATION 4

PURAFIL® PURAKOL MEDIA

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PURAFIL PURAKOL MEDIA, activated carbon media shall consist of virgin grade, activated, non-impregnated carbon. Purakol® Media shall remove contaminant gases by means of adsorption. Gases shall adhere to the surface of the media pellet during the adsorptive process.

REMOVAL CAPACITY

Purakol® media shall meet the following removal capacity:

- **CHLORINE:** 10.0% minimum by weight
- **NITROGEN DIOXIDE:** 6.6% minimum by weight
- **TOLUENE:** 20.0% minimum by weight
- **TRICHLOROETHANE:** 20.0% minimum by weight

For example, 100 pounds (45.36 kg) of Purakol® Media will remove a minimum of 10 pounds (4.53 kg) of chlorine gas.

PHYSICAL PROPERTIES

Purakol® Media shall have the following physical properties:

- **MOISTURE CONTENT:** 2.0%
- **HARDNESS NUMBER:** 95 minimum
- **APPARENT DENSITY/BULK DENSE PACK:** 30 lbs/ft^3 (0.48 g/cc) ±5%
- **CTC:** 60% minimum
- **ASH:** 12% minimum
- **NOMINAL PELLET DIAMETER:** 4 mm

QUALITY CONTROL

Purakol® Media shall be submitted to the following quality control tests before shipment:

- Moisture Content
- Hardness Number
- Bulk Density
- Ash
- Carbon Tetrachloride Adsorption

APPLICATION GUIDELINES

Purakol® Media shall perform effectively under the following conditions and guidelines

- Temperature: -4° F to 125° F (-20° C to 51° C)
- Humidity: 10 - 95% RH
- Airflow: Purakol® Media shall be effective in commercial and industrial systems with airflows ranging from less than 25 CFM (42.5 m^3/hr) to over 100,000 CFM (169,920 m^3/hr) and with velocities from 60 FPM to 500 FPM (0.30 to 2.54 m/s).
- Media Performance: Purakol® Media shall be designed for 99.5% min. removal efficiency in Purafil systems.
- Media Life: Regular media samples of Purakol® Media shall be taken for projecting remaining media life, providing scheduled maintenance, and ensuring performance

INSTALLATION AND DISPOSAL INSTRUCTIONS

- Installation: Installers shall use dust masks, safety goggles, and rubber gloves.
- Disposal: Spent Purakol® Media should be disposed of according to local, state and federal guidelines.

ADVANTAGES

- Effective against a broad range of contaminant gases
- Documented removal capacities ensure proper system design
- Simple media replacement
- Non-toxic
- Easily incinerated for use as a fuel additive*

**If permitted by local, state, and federal governments.*

TARGET CONTAMINANTS

- Hydrocarbons
- Chlorine
- Nitrogen dioxide
- Volatile organic compounds

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