

PRODUCT SPECIFICATION 4

PURAFIL® PURAKOL-HG MEDIA

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PURAFIL PURAKOL-HG MEDIA, activated carbon media shall consist of sulfurized, bituminous, coal based, pelletized, activated carbon of high adsorptive capacity. Purakol-HG® Media is specifically designed for the capture of mercury vapors.



THE CHEMISORPTIVE PROCESS

The chemisorptive process shall remove contaminant gases by means of adsorption, absorption, and chemical reaction. Gases shall be trapped within the pellet where an irreversible chemical reaction changes the gases into harmless solids, eliminating the possibility of desorption.

PHYSICAL PROPERTIES

Purakol-HG® Media shall have the following physical properties:

- **CTC:** 65%, minimum
- **BULK DENSITY, TYPICAL:** 34 lbs/ft³
- **HARDNESS:** 98, minimum
- **MOISTURE, AS PACKED:** 3%
- **ASH CONTENT, TYPICAL:** 10-12%
- **SULFUR CONTENT, % BY WEIGHT:** 13%, minimum
- **MERCURY CAPACITY:** 65% by weight

INSTALLATION AND DISPOSAL INSTRUCTIONS

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

APPLICATION GUIDELINES

Purakol-HG® 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

APPLICATIONS

- Purakol-HG® Media is ideally suited for critical applications such as destruction of fluorescent light bulbs, and other mercury containing devices.

TARGET CONTAMINANTS

- Mercury vapors

LOGISTICAL CONSIDERATIONS

- Purakol-HG® Media is shipped as Class 70.
- For international shipments, the Schedule B number is 3802.10.0000.
- Purakol-HG® Media is packaged in 1ft³ boxes, pails or 40 ft³ super sacks.