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accidental movement of the machine when parked.

(g) A headlight and red light-reflecting material shall be provided on both front and rear of each mobile transpor-
tation unit that travels at a speed greater than 2.5 miles per hour. Red light-reflecting material should be pro-
vided on each end of other mobile ma-

§ 18.21 Machines equipped with pow-
ered dust collectors.

Powered dust collectors on machines submitted for approval shall meet the applicable requirements of Part 33 of this chapter (Bureau of Mines Schedule 25B), and shall bear the approval num-

§ 18.22 Boring-type machines equipped for auxiliary face ventilation.

Each boring-type continuous-mining machine that is submitted for approval shall be constructed with an unob-
structed continuous space(s) of not less than 200 square inches total cross-ssec-
tional area on or within the machine to which flexible tubing may be attached to facilitate auxiliary face ventilation.

§ 18.23 Limitation of external surface temperatures.

The temperature of the external surfaces of mechanical or electrical com-
ponents shall not exceed 150 °C. (302 °F.) under normal operating conditions.

§ 18.24 Electrical clearances.

Minimum clearances between uninsulated electrical conductor sur-
faces, or between uninsulated con-
ductor surfaces and grounded metal surfaces, within the enclosure shall be as follows:

<table>
<thead>
<tr>
<th>Phase-to-Phase Voltage (rms)</th>
<th>Clearances (inches)</th>
<th>Phase-to-Phase</th>
<th>Phase-to-Ground or Control Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 250</td>
<td>0.25</td>
<td>0.25</td>
<td></td>
</tr>
<tr>
<td>251 to 600</td>
<td>0.26</td>
<td>0.25</td>
<td></td>
</tr>
<tr>
<td>601 to 1000</td>
<td>0.28</td>
<td>0.61</td>
<td>0.25</td>
</tr>
<tr>
<td>1001 to 2400</td>
<td>1.4</td>
<td>0.6</td>
<td></td>
</tr>
<tr>
<td>2401 to 4160</td>
<td>3.0</td>
<td>1.4</td>
<td></td>
</tr>
</tbody>
</table>

[57 FR 61209, Dec. 23, 1992]

§ 18.25 Combustible gases from insu-
lating material.

(a) Insulating materials that give off flammable or explosive gases when de-
composed electrically shall not be used within enclosures where the materials are subjected to destructive electrical action.

(b) Parts coated or impregnated with insulating materials shall be heat-
treated to remove any combustible sol-
vent(s) before assembly in an explo-
sion-proof enclosure. Air-drying insu-
lating materials are excepted.

§ 18.26 Static electricity.

Nonmetallic rotating parts, such as belts and fans, shall be provided with a means to prevent an accumulation of static electricity.

§ 18.27 Gaskets.

A gasket(s) shall not be used between any two surfaces forming a flame-ar-
resting path except as follows:

(a) A gasket of lead, elastomer, or equivalent will be acceptable provided
the gasket does not interfere with an acceptable metal-to-metal joint.

(b) A lead gasket(s) or equivalent will be acceptable between glass and a hard
metal to form all or a part of a flame-
arresting path.

§ 18.28 Devices for pressure relief, ven-
tilation, or drainage.

(a) Devices for installation on explo-
sion-proof enclosures to relieve pres-
sure, ventilate, or drain will be accep-
table provided the length of the flame-
arresting path and the clearances or size of holes in perforated metal will prevent discharge of flame in explosion tests.

(b) Devices for pressure relief, ven-
tilation, or drainage shall be con-
structed of materials that resist corro-
sion and distortion, and be so designed that they can be cleaned readily. Pro-
vision shall be made for secure attach-
ment of such devices.

(c) Devices for pressure relief, ven-
tilation, or drainage will be acceptable for application only on enclosures with which they are explosion tested.