### Fault Symbols and Troubleshooting Guide

#### Generator Error & Fault Symbols

Most technical problems are indicated by either an ERROR or a FAULT symbol that appears in the Generator display window.

**A Fault Symbol** indicates a transient non-hazardous event and can be corrected by resetting the system.

**An Error symbol** indicates an accessory malfunction or a Generator component failure that requires servicing of the equipment. These symbols include a code number to be used by DePuy Mitek technical service to diagnose why the system failed.

#### Error Symbols

- **ERROR XXX REF YYY** – INTERNAL FAULT
  - WARNING: An error symbol indicates an equipment malfunction, which may be hazardous. Disconnect all accessories and switch the Generator off. Switch the Generator back on and if the error is completed satisfactorily as evidenced by the "CONNECT CABLE" symbol in the display, the failure occurred in the accessories, which should be discounted and replaced.
  - If the self-test fails, then all functions will be disabled and no attempt should be made to use the Generator. Contact DePuy Mitek customer service for assistance.

- **FAULT XXX REF YYY** – TEXTUAL MESSAGE - where TEXTUAL MESSAGE relates to the type of fault
  - NOTE: Remember to take note of the fault code for reporting to customer service before completing the reset.

**Cleaning Note:** See User Manual for Generator and Footswitch cleaning instructions.

**All VAPR Electrodes are single-use only.**

#### When a Fault Appears on the Generator

1. Press Mode button twice
2. Depress both footswitches simultaneously and release both footswitches once (VAPR II only)
3. Press the Menu/Reset button (VAPR III only)

**Shunt Failure:**
- a. Turn machine off and reset.
- b. Disconnect electrodes and reconnect.

**If this does not resolve the problem, contact DePuy Mitek customer service at 1-800-382-4682.**

#### Troubleshooting Guide

<table>
<thead>
<tr>
<th>Fault Symbol</th>
<th>Code</th>
<th>Description</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 10</td>
<td></td>
<td>Software failure</td>
<td>1. Press mode button twice</td>
</tr>
<tr>
<td>100 12</td>
<td></td>
<td>Non volatile memory failure</td>
<td>2. Depress both footswitches simultaneously and release both footswitches once (VAPR II only)</td>
</tr>
<tr>
<td>300 10</td>
<td></td>
<td>Internal overheating</td>
<td>1. Press mode button twice</td>
</tr>
<tr>
<td>300 12</td>
<td></td>
<td>Out of specification input voltage: low</td>
<td>2. Depress both footswitches simultaneously and release both footswitches once (VAPR II only)</td>
</tr>
<tr>
<td>300 13</td>
<td></td>
<td>Out of specification input voltage: high</td>
<td>3. Press the Menu/Reset button (VAPR III only)</td>
</tr>
<tr>
<td>300 14</td>
<td></td>
<td>Accessory fault (refer to trouble shooting guide in user manual)</td>
<td>a. Turn machine off and reset.</td>
</tr>
<tr>
<td>300 16</td>
<td></td>
<td>Temperature control system problem</td>
<td>b. Disconnect electrodes and reconnect.</td>
</tr>
<tr>
<td>300 20</td>
<td></td>
<td>Unsupported electrode (VAPR 3 only)</td>
<td>If this does not resolve the problem, contact DePuy Mitek customer service at 1-800-382-4682.</td>
</tr>
<tr>
<td>400 10</td>
<td></td>
<td>Footswitch blue pedal stuck</td>
<td></td>
</tr>
<tr>
<td>400 11</td>
<td></td>
<td>Footswitch yellow pedal stuck</td>
<td></td>
</tr>
<tr>
<td>400 12</td>
<td></td>
<td>Handswitch input fault</td>
<td></td>
</tr>
<tr>
<td>400 13</td>
<td></td>
<td>Menu/Reset button stuck (VAPR 3 only)</td>
<td></td>
</tr>
<tr>
<td>400 14</td>
<td></td>
<td>Electrode identification circuit fault</td>
<td></td>
</tr>
<tr>
<td>400 15</td>
<td></td>
<td>Front panel switch fault: yellow up button</td>
<td></td>
</tr>
<tr>
<td>400 16</td>
<td></td>
<td>Front panel switch fault: yellow down button</td>
<td></td>
</tr>
<tr>
<td>400 17</td>
<td></td>
<td>Front panel switch fault: blue up button</td>
<td></td>
</tr>
<tr>
<td>400 18</td>
<td></td>
<td>Front panel switch fault: blue down button</td>
<td></td>
</tr>
<tr>
<td>400 19</td>
<td></td>
<td>Front panel switch fault: mode button</td>
<td></td>
</tr>
<tr>
<td>400 20</td>
<td></td>
<td>Interrupt switching activation switch</td>
<td></td>
</tr>
<tr>
<td>400 21</td>
<td></td>
<td>Accessory thermistor fault (open)</td>
<td></td>
</tr>
<tr>
<td>400 22</td>
<td></td>
<td>Accessory thermistor fault (short)</td>
<td></td>
</tr>
<tr>
<td>400 23</td>
<td></td>
<td>Accessory fault (invalid electrode configuration)</td>
<td></td>
</tr>
</tbody>
</table>

#### Integrated Handpiece Quick Reference Guide

<table>
<thead>
<tr>
<th>SHAFT:</th>
<th>CABLE:</th>
<th>HANDLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Solid one-piece active tip design</td>
<td>• Integrated power connection with pliable, kink-resistant material</td>
<td>• Indentation indicates active tip orientation</td>
</tr>
<tr>
<td>• Proprietary active/return distance ratio</td>
<td>• &quot;Pin Exposed&quot; plug design for ease and security of connection</td>
<td></td>
</tr>
<tr>
<td>• Large uninhibited suction hole</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Atraumatic liquid crystal polymer cowling provides insulation</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INTEGRATED HANDPIECE</strong></td>
<td><strong>TROUBLESHOOTING GUIDE</strong></td>
<td><strong>SINGLE - USE BIPOLAR RADIOFREQUENCY ELECTRODES</strong></td>
</tr>
<tr>
<td><strong>SHOULDER</strong></td>
<td><strong>KNEE</strong></td>
<td><strong>SMALL JOINTS</strong></td>
</tr>
</tbody>
</table>

**1-800-382-4682 | www.depuymitek.com**

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2-Piece or Integrated Handle

Temperature display and control available only when used with the VAPR II and VAPR 3 electro-surgical generators.

* Please consult package insert for instructions for use.

**All VAPR Electrodes are indicated for use in the shoulder, knee, elbow, ankle, and wrist.

***2.18mm Most Distal Face, 3.28mm Bend Mid-point, 3.65mm Insulated Shaft.

Suction 4.0mm 225370 (Integrated) V3 240 120 260 160
LP Suction (LPS) 4.0mm 225361 (2-Piece) V3 240 120 260 160
LD Suction (LDS) 4.0mm 225360 (2-Piece) V3 240 120 260 160

Suction 4.0mm 227355 (Integrated) V2 60 45 90 60
Knee Electrode 3.0mm 227355 (Integrated) V2 60 45 90 60

Side Effect 3.5mm 225301 (2-Piece) V2 90 60 130 90
Flexible Side Effect 3.5mm 225302 (2-Piece) V2 90 60 130 90
Angled Side Effect, 21° 3.5mm 225303 (2-Piece) V2 90 60 130 90
Straight End Effect 3.5mm 225304 (2-Piece) V2 90 60 130 90
Flexible End Effect 3.5mm 225305 (2-Piece) V2 90 60 130 90
Angled End Effect 3.5mm 225306 (2-Piece) V2 90 60 130 90
90° Hook 3.5mm 225321 (2-Piece) V2 120 90 180 120

End Effect 3.5mm 225322 (2-Piece) V2 90 60 130 90
Flexible End Effect 3.5mm 225323 (2-Piece) V2 90 60 130 90
Angled End Effect 3.5mm 225324 (2-Piece) V2 90 60 130 90

Thermal Side Effect 3.5mm 227305 (Integrated) BV2 120 90 180 120

Thermal Suction 3.5mm 225350 (2-Piece) V2 60 45 90 60

Thermal Side Effect 3.5mm 227302 (Integrated) V2 120 90 180 120

Thermal Flexible Side Effect 3.5mm 225353 (2-Piece) V1 5-V1 20 10 50

Thermal Reverse Angled Side 3.5mm 225112 (2-Piece) V1 5 20 10 50

Thermal Angled End Effect 3.5mm 225104 (2-Piece) V1 5-V1 20 10 50

Thermal Flexible End Effect 3.5mm 225324 (2-Piece) V1 5-V1 20 10 50

Temperature Control 2.3mm 227252 (Integrated) N/A 65 40 95 50

2.3mm 225252 (2-Piece) N/A 65 40 95 50

Suction Sheath 2.3mm 225401

Suction Sheath 3.5mm 225402

VAPR Suction Sheaths may be used with all non-suction electrodes.

SHOULDER
Subacromial decompression
Labral tear repair
Thermal needle coagulation
Scar tissue excision
Chondroplasty

KNEE
ACL reconstruction
Meniscal repair
Chondroplasty
Meniscal cystectomy
Wedge drill holes

SMALL JOINT
Synovectomy
Chondroplasty
Thermal modification
Tendon debridement

HARDWARE & ACCESSORIES
225021 VAPR Generator – VAPR 3
225032 VAPR Handpiece
225033 VAPR Footswitch
225034 VAPR Sterilization Tray
225035 VAPR Power Cord

MOONPOLAR VS. BIPOLAR TECHNOLOGY

Bipolar energy has been shown to be safer than monopolar energy as it limits potential damage to structures by containing the energy to the working electrode. It does not require a grounding pad. The system itself is less complicated and easier to use than monopolar units.

VAPR ELECTRODES

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**All VAPR ELECTRODES ARE BIPOLAR**

**KEY SYSTEM FEATURES**

• Seamless fault safety – System shuts down when electrode contacts metal. Avoid costly scope repair and sheath damage.

• Temperature Control – available with "Thermal" and "Temperature Control" electrodes.

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