Label fitting instruction

A “Coolflow” label as in figure 1 should be present with the system. This instruction outlines the application of labels to ensure that the Chameleon laser head and chiller both have a matching coolant type identifier.

![Coolflow IGE label](image1)

Figure 1 - Coolflow IGE label

1.1 For complete new build laser systems:
A new laser should have a label fitted to the back of the head as in figure 3. The Coolflow label provided should be applied to the Thermotek T255p chiller as indicated in figure 4. The “Distilled water only” sticker should be removed first if fitted. Discard the Optishield label.

![Positioning of Coolflow Label on back of laser head](image2)

Figure 2 - Positioning of Coolflow Label on back of laser head

![Positioning of Coolflow label on Chiller](image3)

Figure 3 - Positioning of Coolflow label on Chiller
1.2 New Head/PSU only shipments:
These systems will have been manufactured using Coolflow IGE, Optishield Plus coolant should not be used with them.

Identify if the customer has previously used Coolflow IGE or Optishield Plus in the coolant loop of their existing chiller.

If the customer has used Coolflow IGE:
- No further action should be required. Ensure labels have been applied as in section 1.1.

If the customer has used Optishield Plus:
- Flush out the chiller and hose assemblies using distilled water. Run in a closed loop for at least 10 minutes, then discard the water.
- Remove any labels from the chiller.
- Fill the chiller with Coolflow IGE and apply the label to the chiller as per figure 3.

1.3 Repair systems:
These systems have been converted to use Coolflow IGE coolant. Verify that the back of the laser head has a Coolflow IGE label attached. Optishield Plus coolant should not be used with them.

Identify if the customer has previously used Coolflow IGE or Optishield Plus in the coolant loop of their existing chiller.

If the customer has used Coolflow IGE:
- No further action should be required. Ensure labels have been applied as in section 1.1.

If the customer has used Optishield Plus:
- Flush out the chiller and hose assemblies using distilled water. Run in a closed loop for at least 10 minutes, then discard the water.
- Remove any labels from the chiller.
- Fill the chiller with Coolflow IGE and apply the label to the chiller as per figure 3.

<table>
<thead>
<tr>
<th>Document Number:</th>
<th>D146244</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Date</td>
<td>Date</td>
</tr>
<tr>
<td>AA</td>
<td>04/12/12</td>
</tr>
<tr>
<td>AB</td>
<td>23/01/13</td>
</tr>
<tr>
<td>AC</td>
<td>14/2/13</td>
</tr>
</tbody>
</table>