### Knelson Concentrator Model
**KC-QS48**
**Specification Sheet**

**Date:** April 8, 2013  
**Dwg. No.:** 05620D1

**Maximum Feed Capacity:** 400 tonnes/hr Solids  
**Maximum Total Volumetric Throughput:** 545 m³/hr (2400 USgpm)  
**Feed Size:** Maximum: 6mm (1/4”); Recommended: 1.7mm (1/16”)  
**Feed Density:** 0 - 75% Solids/Weight  
**Minimum Air Flow Required (Auto Piping Only):** 5.1 m³/hr (3ft³/min) @ 600 kPa (90 psi)  
**Concentrator Installation Weight:** 5225 kg (11500 lbs) (Not Including Piping)  
**Motor:** 30 - 75 kW (40 - 100 HP) - Electric

<table>
<thead>
<tr>
<th>Cone Style</th>
<th>Fluidization Water (m³/hr USgpm)</th>
<th>Concentrate Weight (kg/lb)</th>
<th>G-Force Range (G’s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G4</td>
<td>68 (300) - 86 (380)</td>
<td>59 (130) - 82 (180)</td>
<td>60</td>
</tr>
<tr>
<td>G5</td>
<td>41 (180) - 52 (230)</td>
<td>34 (75) - 48 (106)</td>
<td>60</td>
</tr>
<tr>
<td>G6</td>
<td>52 (230) - 76 (335)</td>
<td>59 (130) - 82 (180)</td>
<td>60 - 120</td>
</tr>
<tr>
<td>G7</td>
<td>28 (125) - 58 (225)</td>
<td>65 (144) - 107 (235)</td>
<td>60 - 200</td>
</tr>
</tbody>
</table>

**Note:**
- Specifications subject to change without notice.
- All piping to concentrator to be flexible to allow for slight oscillation of unit during operation.
- Consult FLSmidth Knelson for more detailed operating parameters for your specific application.