### Knelson Concentrator Model

**KC-XD20**

**Specification Sheet**

- **Maximum Feed Capacity**: 80 tonnes/hr solids
- **Maximum Total Volumetric Throughput**: 110m³/hr (480USgpm)
- **Feed Size**: Maximum: 6mm; Recommended: 2mm
- **Feed Density**: 0 - 75% Solids by weight
- **Minimum Air Flow Required (Auto Piping Only)**: 5.1m³/hr (3F³/min) @ 600kPa (90psi)
- **Concentrator Installation Weight**: 1043kg (2300lbs)
- **Motor**: 5.5 - 7.5kW (7.5 - 10HP) - 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>14 (60) - 18 (80)</td>
<td>16 (36) - 21 (46)</td>
<td>60</td>
</tr>
<tr>
<td>G5</td>
<td>8 (35) - 11 (47)</td>
<td>9 (19) - 11 (25)</td>
<td>60</td>
</tr>
<tr>
<td>G6</td>
<td>11 (50) - 17 (75)</td>
<td>16 (36) - 21 (46)</td>
<td>60 - 120</td>
</tr>
<tr>
<td>G7</td>
<td>6 (25) - 13 (57)</td>
<td>18 (40) - 27 (60)</td>
<td>60 - 200</td>
</tr>
</tbody>
</table>

**Diagram Specifications**

- **Ø146mm [Ø5 3/4"] I.D. for suspended feed pipe**
- **Ø152mm [Ø6"] Victaulic connection for tailings discharge**
- **Ø51mm [Ø2"] Victaulic connection for fluidization inlet @ 537mm [21 1/8"] elevation**
- **FLSmidth Knelson Integrated Control System (ICS)**

**Notes**
- 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.