This guide provides general rules for the selection of appropriate OMEGA ultrasonic technology—it is neither exhaustive nor absolute. System factors such as temperature, pipe materials, suspended solid composition and liquid velocity can influence product selection. It is best to present application information to an OMEGA sales representative. OMEGA offers the most comprehensive line of ultrasonic transit time and doppler flow meters in the world. These meters are clamp-on, non-invasive flow meters that require a good acoustical path between the outside of the pipe and the liquid inside. Please consult an OMEGA sales representative to discuss the use of these products in your flow measurement application.

### Liquid Type (In Order of Increasing % of Suspended Solids)

<table>
<thead>
<tr>
<th>Transit Time Typical Applications</th>
<th>Hybrid Ultrasonic</th>
<th>Doppler Typical Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDT-21</td>
<td>FDH-1</td>
<td>FD613</td>
</tr>
<tr>
<td>FDT-30</td>
<td></td>
<td>FD400</td>
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<tr>
<td>FDT-40</td>
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<td>FDT-21W</td>
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<tr>
<td>FDT-100</td>
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</tr>
</tbody>
</table>

- Ultrapure Liquids
- Deionized Water
- Water Filter-Bed Effluent
- Hydraulic Oil
- Refined Hydrocarbons
- Beverages
- Well Water
- Reclaimed Water
- Cooling Tower
- Ground Water
- Raw Sewage
- Gray Water
- Beverages-Carbonated
- Waste Activated Sludge
- Return Activated Sludge
- Mining Slurries
- Filter Backwash
- Paper Pulp Stock
- Dredging Applications
- Preprocessed Crude Oil
- Primary Sludge
- Lime Sludge
- Digested Sludge
- Concrete