Design Guidance

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New Build / Refurbish with new Sanitary Ware (Take care to ensure the sanitary ware is specified to suit the brassware in terms of hole numbers)
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<tr>
<td>Laboratory Wash Hand Basin</td>
<td>Low risk</td>
<td>Elbow operated mixer tap.</td>
<td>Elbow control basin mechanical mixer. IPS mounted for preference.</td>
<td>VAL WMSNK C CD or VAL PSNK C CD</td>
<td>Prefer an IPS mounted device but basin mounted is acceptable.</td>
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<tr>
<td>Laboratory Process Sink</td>
<td>Low risk</td>
<td>Non</td>
<td>Separate hot and cold Laboratory pillar taps</td>
<td>Use specialist laboratory tap supplier.</td>
<td>Brownall taps to suit application.</td>
<td>N/A</td>
<td></td>
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<tr>
<td>Shower</td>
<td>High risk, full body exposure</td>
<td>Thermostatic TMV3</td>
<td>Exposed bar shower valve</td>
<td>Opac/</td>
<td></td>
<td>OP SHXVO ISOL EL C - Documents attached</td>
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<tr>
<td>Cleaners Sink</td>
<td>Low risk, trained staff</td>
<td>Non</td>
<td>Separate hot and cold lever pillar taps</td>
<td>As new build</td>
<td><a href="https://www.bristan.com/products/Kitchen-Taps?code=VAL%20BI">https://www.bristan.com/products/Kitchen-Taps?code=VAL%20BI</a> B%20C%20CD</td>
<td></td>
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<tr>
<td>Kitchen</td>
<td>Low risk</td>
<td>Non</td>
<td>To suit existing tap holes, either (a) separate hot and cold lever pillar taps or (b) monobloc mixer</td>
<td>As new build or Quest Mono Mixer</td>
<td><a href="https://www.bristan.com/products/Kitchen-Taps?code=DUL_SNK">https://www.bristan.com/products/Kitchen-Taps?code=DUL_SNK</a> EF_C</td>
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<td>Toilet Wash</td>
<td>High risk, accessible facility</td>
<td>Thermostatic TMV3</td>
<td>To suit existing tap holes, either (a) as new build or (b) separate hot and cold lever with TMV3 under basin.</td>
<td>As new build or Quest Basin Single Outlets</td>
<td><a href="https://www.bristan.com/products/Bathroom-Taps?code=SOLO-NM%20SL">https://www.bristan.com/products/Bathroom-Taps?code=SOLO-NM%20SL</a></td>
<td></td>
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</tr>
<tr>
<td>Hand Basin, communal accessible</td>
<td>Low risk, fully ambulant</td>
<td>Mechanical restricted mixer or thermostatic TMV3</td>
<td>To suit existing tap holes, either (a) as new build or (b) separate hot and cold non concussive with TMV3 under basin.</td>
<td>As new build or Single luxury soft touch timeflow</td>
<td><a href="https://www.bristan.com/products/Bathroom-Taps?code=Z2%20LUX%201/2%20C">https://www.bristan.com/products/Bathroom-Taps?code=Z2%20LUX%201/2%20C</a></td>
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<td>Thermostatic TMV3</td>
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<td>As new build or Quest Basin Single Outlets</td>
<td><a href="https://www.bristan.com/products/Bathroom-Taps?code=SOLO-NM%20SL">https://www.bristan.com/products/Bathroom-Taps?code=SOLO-NM%20SL</a></td>
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Refurbish with Retained Existing Sanitary Ware (Take care to ensure brassware aligns with the existing sanitary ware tap hole numbers)
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<tr>
<td>Toilet Wash Hand Basin, en suite normal use</td>
<td>Low risk, fully ambulant</td>
<td>Mechanical restricted mixer or thermostatic TMV3</td>
<td>To suit existing tap holes, either (a) as new build or (b) separate hot and cold lever with TMV3 under basin.</td>
<td>As new build or Quest Basin Single Outlets</td>
<td></td>
<td></td>
<td>[<a href="https://www.bristan.com/products/Bathroom-Taps?code=PM">https://www.bristan.com/products/Bathroom-Taps?code=PM</a> 1/2 C](<a href="https://www.bristan.com/products/Bathroom-Taps?code=PM">https://www.bristan.com/products/Bathroom-Taps?code=PM</a> 1/2 C)</td>
<td>[<a href="https://www.bristan.com/products/Mixer-Showers?code=MT50">https://www.bristan.com/products/Mixer-Showers?code=MT50</a> 3CP-ISOELB](<a href="https://www.bristan.com/products/Mixer-Showers?code=MT50">https://www.bristan.com/products/Mixer-Showers?code=MT50</a> 3CP-ISOELB)</td>
</tr>
<tr>
<td>Bath</td>
<td>High risk, full body immersion</td>
<td>Thermostatic TMV3</td>
<td>To suit existing tap holes, either (a) as new build or (b) separate hot and cold lever with TMV3 under basin.</td>
<td>As new build or Quest Basin Single Outlets</td>
<td></td>
<td></td>
<td>[<a href="https://www.bristan.com/products/Bathroom-Taps?code=PM">https://www.bristan.com/products/Bathroom-Taps?code=PM</a> 3/4 C](<a href="https://www.bristan.com/products/Bathroom-Taps?code=PM">https://www.bristan.com/products/Bathroom-Taps?code=PM</a> 3/4 C)</td>
<td>[<a href="https://www.bristan.com/products/Mixer-Showers?code=MT50">https://www.bristan.com/products/Mixer-Showers?code=MT50</a> 3CP-ISOELB](<a href="https://www.bristan.com/products/Mixer-Showers?code=MT50">https://www.bristan.com/products/Mixer-Showers?code=MT50</a> 3CP-ISOELB)</td>
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<td>Laboratory Wash Hand Basin</td>
<td>Low risk</td>
<td>Mechanical restricted mixer</td>
<td>To suit existing tap holes, either (a) as new build or (b) separate hot and cold lever with TMV3 under basin.</td>
<td></td>
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<td></td>
<td>[<a href="https://www.bristan.com/products/Bathroom-Taps?code=VAL">https://www.bristan.com/products/Bathroom-Taps?code=VAL</a> 1/2 C 6 CD](<a href="https://www.bristan.com/products/Bathroom-Taps?code=VAL">https://www.bristan.com/products/Bathroom-Taps?code=VAL</a> 1/2 C 6 CD)</td>
<td>[<a href="https://www.bristan.com/products/Mixer-Showers?code=MT50">https://www.bristan.com/products/Mixer-Showers?code=MT50</a> 3CP-ISOELB](<a href="https://www.bristan.com/products/Mixer-Showers?code=MT50">https://www.bristan.com/products/Mixer-Showers?code=MT50</a> 3CP-ISOELB)</td>
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<td></td>
<td>Separate TMV3 where required</td>
<td>Horne H15 or H20 (dependent upon size) with integral isolation</td>
<td></td>
<td>N/A</td>
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### Notes:
1. Generic Temperature risk shall be assessed by Project Team on a project by project basis.
2. All Thermostatic mixing valves where installed shall be separate from the tap except laboratories.
3. Water pressure needs to be adequate to give required flow rates and boosters may be required where there is low head. In existing refurbishments great care needs to be taken with this issue and alternative taps may need to be provided.