



Design Standards & Product Specification for DETE Facilities

Queensland




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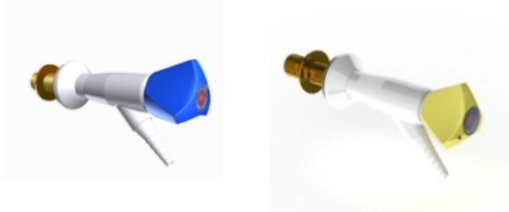







4.13 Plumbing Fixtures





- All plumbing fixtures shall be in accordance with relevant Australian Standards.
- Plumbing fixtures and fittings are to be chosen to meet the needs of the facility whilst minimising excessive potable water consumption.
- Fixtures that are briefed according to the Australian Standards as scheduled below, shall be in accordance with the following minimum standards (suppliers across the fixture types include aquaBUBBLER, Britex, Broen, Caroma, Clark, Enware, Galvin Engineering, Hygenex, RBA, Stoddart, Zip, or equal, as per Table 9 (below):




Table 9: Plumbing Fixtures



Code	Description	Galvin Engineering
S1	<p>Science Gas Turret</p> <ul style="list-style-type: none"> • Dual outlet gas turret, 90°, with push-turn or lift-turn handles, bench mounted generally 100mm from splashback and 600mm distance from GPOs. 	<p>TG40RAC GalvinLab® CP-BS Lab 2-Way Right Angle Gas Turret Type 40 - 90°</p> 
S2	<p>Lab Bench Sink (student side bench)</p> <ul style="list-style-type: none"> • Single bowl, inset type, 300 x 300 x 200 nom deep, stainless steel 316 grade (or approved resin type), acid resistant grated outlet and waste. • Bench mounted lab type tap, gooseneck spout with tube nozzle outlet, chrome plated, 5 star WELS rated, cold water only, backflow prevention valve, concealed trap and waste pipe with screw off drain plug. 	<p>TL16FJ16C GalvinLab® CP-BS Lab Set 1-Way Type 16 Fixed J/V #16XT Tube Nozzle</p> 
S2h	<p>Lab Bench Sink (demonstration bench)</p> <ul style="list-style-type: none"> • Sink as for S2 x Bench mounted lab type combination tap set, gooseneck spout with barbed tube nozzle outlet, chrome plated, 5 star WELS rated, hot & cold water, backflow prevention valve. 	<p>TL19SJ16C Chrome Plated Brass Lab Set H&C Mixing Unit Type 19 Swivel J/V #16XT Tube Nozzle</p> 





<p>S3</p>	<p>Emergency Eyewash & Hand-held hose Unit</p> <ul style="list-style-type: none"> Stainless steel bowl with lever operated twin aerated eye/ face wash nozzles and hand-held aerated hose, cold water only. 	<p><u>190.42.11.90</u> GalvinSafe® Eye/Face Wash, Wall Mtd, Hand Act, Axion® MSR Head, SS Bowl with Body Spray (HAWS)</p> 
<p>S4</p>	<p>Fume Cupboard Sink</p> <ul style="list-style-type: none"> Sink and tap as for S2 (refer to Section 4.12.4 Fume cupboard for requirements). 	<p><u>TR30N</u> ProLab Epoxy Coated Brass 1-Way Valve Wall Mounted, 45° Outlet "Choose Media"</p> <p><u>TR30PT</u> ProLab® Epoxy Coated Brass 1-Way Valve Wall Mounted, 45° Outlet - Push Turn "Choose Media"</p> 
<p>S5h</p>	<p>Preparation Glassware Wash-up Sink</p> <ul style="list-style-type: none"> Double bowl sink unit, nom 2700 long with one 725 x 350 x 300 deep bowl and one 725 x 350 x 170 deep bowl, with 450 long drainers both ends and integral lip at back for splashback, stainless steel 316 grade (or approved resin type), acid resistant grated outlet and waste, SS lid for one bowl. 2 x lab combination tap sets (1 per bowl), swivel gooseneck spout with barbed tube nozzle outlet, hot and cold bib cocks with barbed tube nozzle outlets, chrome plated, 5 star WELS rated, hot and cold water, backflow prevention valve, concealed trap and waste pipe with screw off drain plug. 	<p><u>TL14FJ1-16C</u> GalvinLab® CP-BS Lab Set H&C Mixing Unit Type 14 Fixed J/V #1 Aerator & #15XT Tube Nozzles</p> 
<p>S6h</p>	<p>Preparation Chemical/ Biology Bench Sink</p> <ul style="list-style-type: none"> Double bowl sink unit, 450 x 350 x 170 deep bowls, stainless steel 316 	<p><u>TL14FJ1-16C</u> GalvinLab® CP-BS Lab Set H&C Mixing Unit Type 14 Fixed J/V #1 Aerator & #16XT Tube Nozzles</p>





	<p>grade (or approved resin type), acid resistant grated outlet and waste with 450 long drainers both ends and integral lip at back for splashback.</p> <ul style="list-style-type: none"> • Lab combination tap set, gooseneck spout with barbed tube nozzle outlet, hot and cold bib cocks with barbed tube nozzle outlets, chrome plated, 5 star WELS rated, hot and cold water, backflow prevention valve, concealed trap and waste pipe with screw off drain plug. 	
<p>S7</p>	<p>Cleaners Sink</p> <ul style="list-style-type: none"> • Stainless steel cleaners sink nom 560 x 475 x 200 deep with swing grate, chrome plated brass grated waste outlet, mounted on SS SHS frame with adjustable feet, nom 500 x 600 stainless steel splashback. X Wall mounted hose cock chrome plated, 5 star WELS rated, cold water only. 	<p>49965 Vandal Resistant Chrome Plated Brass J/V Hose Tap - Cold</p> 
<p>S8</p>	<p>Sink – student practical learning areas</p> <ul style="list-style-type: none"> • Single, double or 1 ½ bowl (refer brief or layout) sink unit, in-set type, nom 1500 long with nom 390 x 390 x 170 deep bowls, 450 long drainers both ends, single hole for mixer tap, chrome plated brass grated waste outlet. • Lever handle tap, swivel gooseneck aerated spout, (3 star WELS rated, cold water only, concealed trap and waste pipe with screw off drain plug. 	<p>TL16SJ1C GalvinLab® CP-BS Lab Set 1-Way Type 16 Swivel J/V #1 Aerator</p> 
<p>S8h</p>	<p>Kitchen Sink – staff areas and student food kitchens</p> <ul style="list-style-type: none"> • Double or 1 ½ bowl (refer brief or layout) sink unit, in-set type, nom 1500 long with nom 390 x 390 x 170 deep bowls, 450 long drainers both ends, single hole for mixer tap and hole for auto boiler tap where required, chrome plated brass grated waste outlet, Flick mixer tap, 5 star WELS rated, hot and cold water. 	<p>TM-SNKCP CliniLever® CP-BS Hospital Single Lever Sink Mixer 250 Reach (5 Star)</p> <p>TM-SNKX Clinilever® Stainless Steel Lead Safe™ Sink Mixer (5 Star)</p> 



<p>S9h</p>	<p>Commercial Pot Sink – canteens and student catering kitchens</p> <ul style="list-style-type: none"> Single or double bowl (refer brief or layout) pot sink unit, nom 500 x 400 x 300 deep bowls, 450 long drainers both ends integral with SS bench, integral 300 high splashback, chrome plated brass grated waste outlet, spring action pre-rinse spray hose (6 star WELS rated) and combination pot filler, swivel spout, lever handles (3 star WELS rated), hot and cold water. 	<p><u>TF100HJP</u> Ezy-Wash® CP-BS Hob Mtd Twin Mixer Pre-Rinse Unit Type 100 Flex Tail - Pot Filler (6 Star)</p> <p><u>TF100HJS</u> Ezy-Wash® CP-BS Hob Mtd Twin Mixer Pre-Rinse Unit Type 100 Flex Tail - Standard (6 Star)</p>	
<p>S10</p>	<p>Art Sink</p> <ul style="list-style-type: none"> Double bowl sink unit, nom 2400 long with nom 2 x 550 x 400 x 300 deep bowls, 450 long drainers both ends, integral splashback, inset into bench top, chrome plated brass grated waste outlet. Lever handle taps, swivel gooseneck aerated spouts (one per bowl), (3 star WELS rated, cold water only. X CP copper or concealed waste pipes to nom 40L paint/ clay trap under sink. 	<p><u>TL16SJ1C</u> GalvinLab® CP-BS Lab Set 1-Way Type 16 Swivel J/V #1 Aerator (5 Star)</p>	
<p>S11</p>	<p>Sculpture/ Printmaking Sink</p> <ul style="list-style-type: none"> Single bowl sink unit, nom 2400 long with nom 1200 x 400 x 300 deep bowl, 450 long drainers both ends, integral splashback, chrome plated brass grated waste outlet Spring return, pre-rinse spray hose (5 star WELS rated) and combination pot filler, swivel aerated spout, lever handles (3 star WELS rated, cold water only. X CP copper or concealed waste pipes to nom 40L paint/ clay trap under sink. 	<p><u>TF81WJP</u> Ezy-Wash® Chrome Plated Brass Wall Mtd Single Stop Pre-Rinse Unit Type 81 FI Inlet - Pot Filler (5 Star / 3 Star)</p>	
<p>S12</p>	<p>Soap Dispenser</p> <ul style="list-style-type: none"> Wall or splashback mounted Stainless steel, vandal resistant, lockable. 	<p><u>TZ-FLOWSOAP1</u> Flowmatic® Tubular 2030 Electronic Soap Dispenser Wall Mount Pair with <u>TZ-FLOW225866</u></p>	

<p>S13</p>	<p>Paper Towel dispenser</p> <ul style="list-style-type: none"> • Wall or splashback mounted stainless steel, vandal resistant, lockable. 	<p>N/A</p>
<p>S14h</p>	<p>Vanity Basin</p> <ul style="list-style-type: none"> • Vitreous china basin, white semi-recessed type chrome plated brass grated waste outlet (not plastic). • Flick mixer tap 5 star WELS rated, cold water. 	<p>105.36.01.01 GalvinAssist® Semi Recessed Basin, 500mm 1 TH with Overflow</p> <p>105.36.01.03 GalvinAssist® Semi Recessed Basin, 500mm 3 TH with Overflow</p> <p>TM-BASCP CliniLever® CP-BS Hospital Single Lever Basin Mixer (5 Star)</p> <div style="text-align: center;">  </div>
<p>S15</p>	<p>Toilet & in-duct/ in-wall cistern</p> <ul style="list-style-type: none"> • Vitreous china pan white with wall faced concealed trap, white closed front seat with flap. • In-duct mounted (or in-wall with vandal resistant cover plate) 4.5/ 3 litre dual smart flush cistern with cp. • Stopcock, cold water. Push buttons mounted at max 1200H. 	<p>105.11.20.00 GalvinAssist® Wall Faced, Clean Flush, Easy Care, Toilet Pan with Soft Close Seat</p> <p>105.11.00.00 GalvinAssist® Wall Faced, Clean Flush, Easy Care, Ambulant Toilet Pan with Soft Close Seat</p> <p>105.94.00.00 (Coming Soon) GalvinAssist® In Wall Cistern with Dual Flush Plate and Buttons 105.95.00.00</p> <div style="text-align: center;">  </div>
<p>S16h</p>	<p>Food Rinse/ Wash sink</p> <ul style="list-style-type: none"> • Single bowl (refer brief or layout) sink unit, nom 390 x 390 x 170 deep bowl, 450 long drainers both ends integral with SS bench, integral 300 high splashback, single hole for mixer tap, chrome plated brass grated waste outlet, Flick mixer tap, 5 star WELS rated, hot and cold water. 	<p>TM-SNKCP CliniLever® CP-BS Hospital Single Lever Sink Mixer 250 Reach (5 Star)</p> <div style="text-align: center;">  </div>

<p>S17</p>	<p>Auto Boiler & Chilled Water Unit</p> <ul style="list-style-type: none"> Under bench commercial filtered boiling and chilled water unit, with hob combination tap on sink, sized to suit usage, cold water supply 	<p>N/A</p>
<p>S19</p>	<p>Hand basin – cold water</p> <ul style="list-style-type: none"> Vitreous china wall mounted white basin, chrome plated brass grated waste outlet (not plastic). Flick mixer tap, 5 star WELS rated, cold water only. Alternative for PWD/ access basin. 	<p>105.35.20.00 GalvinAssist® Shroud Only to Suit 500mm Wall Mount Basin 1TH OF with Shroud 105.35.20.00</p> <p>TM-BASCP CliniLever® CP-BS Hospital Single Lever Basin Mixer (5 Star)</p> <p>TM-BASCPD CliniLever® CP-BS Hospital Single Lever Basin Mixer with 165 Disabled Lever (5 Star)</p> 
<p>S19h</p>	<p>Hand basin – hot & cold water</p> <ul style="list-style-type: none"> Basin as for S19 x Flick mixer tap, 5 star WELS rated, hot and cold water. Alternative tap for food areas – knee operated. 	<p>105.32.10.01 GalvinAssist® 500mm Wall Mount Basin 1TH OF with Bottle Trap CP 105.93.00.00</p> <p>TM-BASCP CliniLever® CP-BS Single Lever Basin Mixer (5 Star)</p> <p>173.61.44.00 Ezy-Lever CP-BS Lead Safe™ Timeflow Knee Operated Valve with Regulator - 15 Sec</p> 
<p>S20</p>	<p>Drinking Fountain</p> <ul style="list-style-type: none"> Floor mounted stainless-steel nom 200mm diameter top bowl, with 	<p>170.81.13.01 Ezy-Drink® CP-BS Lead Safe™ Remote Push Button Drinking Bubbler Tap - FI</p>

	<p>separate side bottle refill station, to conceal fixings & pipework, mounting height 700mm high for years P-3 and 800mm high for years 4-12. X Chrome finish shielded bubbler with self-closing push button valve, cold water only.</p>	
<p>S21</p>	<p>Wash Basin/s – Student Amenities</p> <ul style="list-style-type: none"> Wall basin unit (single, double, triple or quadruple bowls - number of bowls as per brief) 304 grade stainless steel, bowl/s integral with countertop, splashback,; trap covers to conceal pipework and fixings. x Single tap per bowl, timed flow pillar cock, 5 star WELS rated, cold water only. 	<p>173.15.21.00 Ezy-Push® CP-BS Lead Safe™ Timeflow Push Button Pillar Tap – 6 Sec</p> 
<p>S28</p>	<p>Toilet Suite – Persons with disabilities</p> <ul style="list-style-type: none"> Vitreous china pan, white, with wall faced concealed trap (for easy cleaning), x In-wall/ in-duct 6 litre dual smart flush cistern, push buttons at max 1000 mm above floor, with cp stopcock, cold water supply. X Comply with the relevant Australian Standards (see also Section 2.1). 	<p>105.11.10.01 GalvinAssist® Wall Faced, Clean Flush, Easy Care, Accessible Toilet Pan with Blue Seat with Backrest</p> <p>105.76.02.01</p> <p>105.94.00.00 (Coming Soon) GalvinAssist® In Wall Cistern with Raised Dual Flush Plate and Buttons 105.96.00.00</p> 
	<p>Shower</p> <ul style="list-style-type: none"> Shower installation to comply with AS1428.1. Provide 1500mm hose. Mechanical hose retraction device is NOT to be used. 	<p>41985 GalvinAssist® Hand Shower with Inverted LH T 700x1100 Stainless Steel Hygienic Grab Rail</p> <p>41996 GalvinAssist® Hand Shower Kit with 600x32 Stainless Steel Hygienic Grab Rail</p> 

<p>S30</p>	<p>Wash/ Quench Trough</p> <ul style="list-style-type: none"> Wall mounted stainless steel trough, nom 1200 x 300 x 200 deep with 600 high SS splashback, mounted on heavy duty stainless steel frame. 3 cp hose cocks at 600 above trough bottom, cold water only. 	<p>49965 Vandal Resistant CP-BS J/V Hose Tap - Cold</p> 
<p>S33</p>	<p>Utility Tub</p> <ul style="list-style-type: none"> Single bowl sink unit, inset type, nom 1200 long with nom 48 L bowl, drainer one end, chrome plated brass grated waste outlet (not plastic), x Lever handle tap, swivel gooseneck aerated spout, (3 star WELS rated, cold water only, cold water only. Waste to nom 40L paint/ clay trap under sink (where applicable). 	<p>TL16SJ1C (with Lever handle) GalvinLab® CP-BS Lab Set 1-Way Type 16 Swivel, Wall Mounted J/V #1 Aerator with Lever Handle</p> 
<p>S39</p>	<p>Laundry Tub – inset type</p> <ul style="list-style-type: none"> Single SS 70 litre chrome plated brass grated waste outlet (not plastic). Lever handle tap, swivel gooseneck aerated spout, (3 star WELS rated, cold water only. 	<p>TL16SJ1C (with Lever handle) GalvinLab® CP-BS Lab Set 1-Way Type 16 Swivel, Wall Mounted J/V #1 Aerator with Lever Handle</p> 
<p>S40</p>	<p>Pot Filler Laundry Arm</p> <ul style="list-style-type: none"> Splashback mounted telescopic laundry arm (for filling large pots in-situ on stove, Cold water only. 	<p>TF70WCF Ezy-Wash® CP-BS Wall Mounted Pot & Kettle Filler Unit Type 70W with Folding Outlet & Stop</p> 
<p>S57A</p>	<p>Urinal – wall mounted</p> <ul style="list-style-type: none"> Wall hung vitreous china urinal stall, white, concealed trap, cold water only. 	<p><i>Vitreous China Urinal To be Released</i></p> <p>DFKIT-CWU-01-PB Wallgate Urinal Direct Mains Flush with Piezo Activation, Air Break Solenoid & Valve Cable (4m)</p>

		
S57B	Urinal waterless– wall mounted <ul style="list-style-type: none"> Wall hung vitreous china urinal stall, white, concealed trap. 	N/A
S58	Safety Drench Shower with Eye Wash <ul style="list-style-type: none"> Combination overhead drench shower and eye/face wash, hand, and foot operated, cold water only. 	<u>190.80.10.90</u> GalvinSafe® Free Standing Combi Shower, AXION® MSR ABS Eye/Face Wash, Hand & Foot Act (HAWS)
		

Galvin Engineering Product Brochures

Take a look at our brochures for a more extensive look at our education products and solutions.



Safety Tapware Brochure



School Education Brochure



Special/Robust Req. Sanitary







Lead Safe Brochure

4.12.2.4 Tapware

- Tapware shall be the type and configuration as briefed and as scheduled. Refer to Section 4.13 Plumbing Fixtures.

- Tapware shall be chrome finish with vandal resistant, star pattern design handles.
- Handles shall be colour coded 'blue' for all cold and 'red' for all hot.
- Cold water handles/taps shall be on right hand side and hot water handles/taps on left hand side.
- External hose cocks shall be a vandal resistant design with removable handles.

Galvin Engineering	
<p>13284 CP=BS Key Control Hose Tap 12 (15BSP) Less Key</p>	
<p>12575 BS Key for Key Control Tap 'Polished'</p>	
<p>100.00.71.00 CliniMix® Lead Safe™ Hob Mounted ThermoStatic Progressive Basin Mixer – Lever</p>	
<p>170.50.13.01 Ezy-Drink® Lead Safe™ Horizontal Push Button Drinking Bubbler Tap - FI</p>	

4.12.2.5 Hot Water Units & Piping

- Hot water supply to basins, where they are installed in conjunction with showers, and showers in both student and staff locations shall have temperature limiting devices set at 45°C in accordance with relevant Australian Standards for plumbing and drainage (see also Section 2.1).
- Local hot water temperature mixing valves shall be fitted to facilities for persons with disabilities (access toilets/showers).

Galvin Engineering	
<p>101.10.70.10 CliniMix® Lead Safe™ TMV Stainless Steel Cabinet Assembly with Universal Door 20 Bottom In & Out</p>	
<p>101.11.70.10 CliniMix® Lead Safe™ TMV Stainless Steel Cabinet Assembly with Universal Door 20 Bottom In & Out</p>	

4.6.4 Floor Slip Hazards

- All non-carpeted floors and ramps (such as vinyl, concrete, epoxy) shall have a slip resistant finish with the rating as briefed. Refer also to Section 4.4 Internal Finishes.

Galvin Engineering	
<p>303185X HeelGrate® Stainless Steel Floor Drain Vinyl Round 150x100 with Stainless Steel Body PVC/HDPE/CU Slip-In</p>	
<p>69468X Slip-Safe® Stainless Steel Vinyl Bolted Cleanout 150x100 PVC/HDPE/CU Slip-In</p>	
<p>285007 HD Flat Vertical Rain Water Outlet (No Mem) 100PVC/HDPE</p>	