



Design Standards & Product Specification for EFSG Facilities

Part 1: Tapware
New South Wales

SG812 Tapware

GUIDE NOTE: Refer to Design guide sections DG / HYDRAULICS GENERALLY

ID	TITLE
0.0	DESIGN PRINCIPLES

0.01 Main Considerations

It is a requirement to undertake the 00 PLANNING AND DESIGN/0001 R - DESIGN REFERENCE and GLOSSARY OF TERMS information into all aspects of design, detailing and delivery when developing the content here within. Clear demonstration of adherence to these requirements is part of the services and will be called upon at key points in the project and during at the discretion of the Department of Education (DoE).

0.02 Policies and Regulations

GUIDE NOTE: Refer to 00 PLANNING AND DESIGN/0001C DESIGN CHECKLIST-HYDRAULIC

In accordance with the NSW Government Resource Efficiency Policy, all fixtures and fittings must be at least the average WELS star rating by product type. Where WELS rating is not available, use the alternative WaterMark rating scheme.

All new water-using appliances must be at least 0.5 stars above the average Water Efficiency Labelling and Standards (WELS) star rating by product type, except toilets and urinals, which must be purchased at the average WELS star rating.

1	SPECIFICATION
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1.01 General

As per current [NATSPEC](#) except as follows:

Appliances and equipment purchased in the following categories with star ratings under the WELS scheme will be at least:

- showerheads - 3 stars (>7.5 but <=9.0 l/min)
- toilets - 4 stars
- urinals - 5 stars
- dishwashers - 5 stars
- taps and flow controllers - 5 stars.

2	PRODUCTS
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As per current [NATSPEC](#) except as follows

2.1 Products

Thermostatic mixing Valves

GUIDE NOTE: Delete subclauses "General" and "Control" nominated in NATSPEC building template/work section and include the following:

GUIDE NOTE: Insert project specific locations. Refer to Educational Facilities Standards and Guidelines and Supplements.

Location/s

Type

Valve mixing hot and Cold Water, regulating Water temperature with single hand control, capable of delivering Water at the temperature of either of the supply system and at any temperature in between, and suitable for controlling single or multiple outlets as required by the installation. Incorporate the following:

- Thermostatic element.
- A temperature sensitive automatic control that maintains temperature at the pre-selected setting and rapidly shuts down the flow if either system fails, or if the normal discharge of Water temperature of Water is exceeded.
- A Water temperature control device that can Only be altered by a trained authorised person.
- Hot Water flush facility

Standards

Provided, installed and set in line with the requirements of the current [AS](#).

Manual

The manufacturer of the thermostatic mixing valve must provide a printed technical manual for installation, commissioning and maintenance for thermostatic mixing valves. The manual must be applicable for installations in NSW.

Hand one copy of the above manual to the Principal's Authorised Person / Principal's Representative.

Installation

- Thermostatic mixing valves complete with stainless steel enclosure/box are to be recessed into the wall in a location that is inaccessible to pupils.
- All in accordance with the manufacturers printed technical manual for installation, commissioning and maintenance for thermostatic mixing valves.
- A licensed plumber who has undertaken T.A.F.E. training in thermostatic mixing valves must install thermostatic mixing.
- To effectively control microbial hazards during installation work to be in accordance with AS 3666
- Water quality conditions must be checked to be sure that they do not exceed the limits listed in AS 3500.4

Enclosure

GUIDE NOTE: Manufacturers/suppliers of Thermostatic mixing Valves can generally supply lockable compatible stainless-steel enclosures/boxes with the mixing Valves.

Provide a proprietary lockable stainless-steel enclosure/box complete with each mixing Valve or below joinery.

- Type: Recessed lockable stainless enclosure/box complete with stainless steel brackets and fasteners.
- Equal to Enware Aquablend 1500 thermostatic mixing Valve complete with integrated thermal flush within 350mm square stainless steel recessed box (ATMS700-350) and key lockable stainless steel hinged cover (ATMSHL-350)

Commissioning

When the installation is complete the Valve must be tested and commissioned in accordance with the instructions in the printed technical manual for installation, commissioning, and maintenance for thermostatic mixing Valves.

GUIDE NOTE: Refer to EFSG DESIGN GUIDE and SPECIFICATION GUIDE for more information on hydraulics.

3 EXECUTION

As per current [NATSPEC](#)

4 SELECTIONS

As per current [NATSPEC](#) except as follows

GUIDE NOTE: Delete subclause "Tapware" nominated in NATSPEC building template / work section and replace with the following text

GUIDE NOTE: Remove fixtures not required. Insert project specific locations. Refer to Educational Facilities Standards and Guidelines. Include appropriate information (shown below) in the project specification "Isolating valves schedule" and Accessories Schedule. Refer to NATSPEC Building Template/ Work section.

4.0 Tapware - Fittings and Accessories

Inclusions

Accessories such as taps, Valves and outlets shall include but not be limited to those Scheduled below for specific locations or fixtures.

Fixture Schedule


Student Basin Tapware Schedule PS | Boys + Girls Hall toilets, PS Bulk Store, HS Materials Workshop

Property	Approved Product
Product	<p><u>173.15.21.00</u> Ezy-Push® CP-BS Lead Safe™ Timeflow Push Button Pillar Tap - 6 Sec</p> 
Finish	Bright Chrome Plate
Outlet Type	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	6 Star

Student Basin Tapware Schedule | HS

Property	Approved Product
Product	<p><u>173.15.21.00</u> Ezy-Push® CP-BS Lead Safe™ Timeflow Push Button Pillar Tap - 6 Sec</p> 
Finish	Bright Chrome Plate
Outlet Type	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	6 Star


Staff Basin Tapware Schedule | PS + HS

Property	Approved Product
Product	113.42.10.04 GalvinAssist® CP Lead Safe™ Basin Mixer with Short Paddle Handle W&C 
Finish	Bright Chrome Plate
Outlet Type	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Water
WELS Rating	6 Star


Access Basin Tapware Schedule | PS + HS Access Basins, PS Domestic Kitchen, Canteen

Property	Approved Product
Product	113.41.20.04 GalvinAssist® CP Lead Safe™ Short Sink Mixer with Long Paddle Handle W&C 
Finish	Bright Chrome Plate
Outlet Type	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Water
WELS Rating	6 Star
Compliance	AS 1428.1

Student Basin Tapware Schedule PS | [SSP](#)

Property	Approved Product
Product	113.41.20.04 GalvinAssist® CP Lead Safe™ Short Sink Mixer with Long Paddle Handle W&C 
Finish	Bright Chrome Plate
Outlet Type	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Water
WELS Rating	6 Star
Compliance	AS 1428.1

Small Basin Tapware Schedule PS | PS + HS Staff, Community Clinic

Property	Approved Product
Product	113.42.10.04 GalvinAssist® CP Lead Safe™ Basin Mixer with Short Paddle Handle W&C 
Finish	Bright Chrome Plate
Outlet Type	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Water
WELS Rating	6 Star


Basin Hands Free Tapware Schedule PS + HS | Student, Staff, Access, Lab, Food Tech

Property	Approved Product	Approved Product
Product	<p><u>TZ-FLOWTAPC225</u> Flowmatic® Concealed Sensor Assembly with SS Face Plate & CliniLever® Fixed Wall Outlet 225</p> 	<p><u>TZ-FLOWHOBSP</u> Flowmatic® Hob Basin Tap Mains Power Single Temperature</p> 
Finish	Brushed Stainless Steel Sensor Plate and Chrome Plate Outlet	Bright Chrome Plate
Outlet Type	1 Tap Hole	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof	Yes - Robust, Tamper Proof
Isolation Valve		
WELS Rating	5 Star	6 Star

Wash Trough Tapware Schedule PS + HS | Cold Water Only

Property	Approved Product	Approved Product
Product	<p><u>172.15.13.01</u> Ezy-Push® CP-BS Lead Safe™ Push Button Pillar Tap - Cold</p> 	<p><u>172.46.13.01</u> Ezy-Push® CP-BS Lead Safe™ Push Button Deluxe Bib Tap Aerated – Cold</p> 
Finish	Bright Chrome Plate	Bright Chrome Plate
Outlet Type	1 Tap Hole	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water	Cold Water
WELS Rating	6 Star	6 Star



Bucket Sink Tapware Schedule | PS + HS Cleaner Store, Wood + Metal Workshops, Botany

Property	Approved Product
Product	<p><u>174.41.22.01</u> Vandal Resistant CP Lead Safe™ J/V Deluxe Bib Tap Cold with 8LPM Aerator (NSW)</p> 
Finish	Bright Chrome Plate
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	5 Star


Sink Tapware Schedule | PS + HS Canteen

Property	Approved Product
Product	<p><u>113.41.10.04</u> GalvinAssist® CP Lead Safe™ Short Sink Mixer with Short Paddle Handle W&C</p> 
Finish	Bright Chrome Plate
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Water
WELS Rating	6 Star

Access Shower Tapware Schedule | PS + HS Hand shower + Rail Schedule



Property	Approved Product
Product	<p><u>113.62.20.04</u> GalvinAssist® CP Lead Safe™ Shower Mixer Set with Long Paddle Handle W&C</p> 
Hand Shower + Rail accessory	<p><u>41999</u> GalvinAssist® Hand Shower Kit with 900x32 Stainless Steel Hygienic Grab Rail</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Warm Water Supply Remote TMV Temperature Control
WELS Rating	3 Star
Compliance	AS 1428.1

Staff Shower Tapware + Shower Rose Schedule PS + HS


Property	Approved Product
Product	<p><u>174.01.02.01</u> Vandal Resistant CP Lead Safe™ J/V Wall Top Assembly Cold</p> <p><u>174.01.02.02</u> Vandal Resistant CP Lead Safe™ J/V Wall Top Assembly Hot</p> 

Shower Rose accessory	42008 CliniLever® CP-BS Hospital Fixed Shower Arm and Rose 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Warm Water Supply Remote TMV Temperature Control
WELS Rating	3 Star
Compliance	AS/NZS 3718


Student Shower Tapware + Shower Rose Schedule PS + HS (Excludes Access Showers)

Property	Approved Product
Product	174.61.02.03 GalvinCare® CP-BS Lead Safe™ Vandal Resistant Shower Set J/V 
Shower Rose Accessory	121.33.64.00 GalvinCare® CP-BS Lead Safe™ Mental Health Anti-Ligature Wall Mounted Shower Rose 65 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Warm Water Supply Remote TMV Temperature Control
WELS Rating	4 Star
Compliance	AS/NZS 3662


Urinal + Water Closet Assembly Tapware Schedule | PS + HS

Property	Approved Product
Product	174.05.02.01 Vandal Resistant CP-BS Lead Safe™ J/V Cistern Tap - Cold 
Finish	Bright Chrome Plate
Vandal resistant construction	Yes Robust, Tamper Proof
WELS Rating	N/A
Compliance	AS/NZS 3718


Single Laundry Trough - GLS with Art Trough Tapware Schedule HS

Property	Approved Product
Product	174.12.22.01 Vandal Resistant CP Lead Safe™ J/V Deluxe Bib Tap Cold with 8LPM Aerator (NSW) 
Finish	Bright Chrome Plate
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	5 Star
Compliance	AS/NZS 3718

Double Laundry Trough - Visual Arts + Materials Workshop Tapware Schedule HS

Property	Approved Product
Product	<p>174.41.22.01 (x2) Vandal Resistant CP Lead Safe™ J/V Deluxe Bib Tap (NSW) Cold with 8LPM Aerator</p> 
Finish	Bright Chrome Plate
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	5 Star
Compliance	AS/NZS 3718

Visual Arts + Materials Workshop Tapware Schedule HS

Property	Approved Product
Product	<p>167.16.32.00 GalvinLab® CP-BS Lead Safe™ Lab Set 1-Way Type 16 DPW Fixed J/V #8 Aerator</p> <p>167.16.33.00 GalvinLab® CP-BS Lead Safe™ Lab Set 1-Way Type 16 DPW Fixed J/V #8 Aerator - LH</p> 
Finish	Bright Chrome Plate
Outlet	1 Tap Hole Cold Water
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	5 Star
Compliance	AS/NZS 3718


Sink - Semi-Commercial Kitchen Stainless Steel Bench Tapware Schedule HS

Property	Approved Product
Product	<p><u>102.11.11.00</u> CliniLever® CP-BS Lead Safe™ Hospital Hob Mixing Set Type 50 Swivel 150 J/V</p> <p><u>181.03.35.03</u> Ezy-Wash® CP-BS Lead Safe™ Hob Mtd Twin Mixer Pre-Rinse Unit Type 100 Flex Tail - Pot Filler</p> 
Finish	Chrome
Outlet	
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold & Hot + Cold
WELS Rating	6 Star
Compliance	AS/NZS 3718


Single Laundry Trough - Laundry Tapware Schedule HS

Property	Approved Product
Product	<p><u>174.52.22.03</u> Vandal Resistant CP-BS Lead Safe™ J/V Wall Sink Set with 180H Swivel Gooseneck & Aerator (NSW)</p> 
Spout	<p><u>174.52.22.03</u> 180H Swivel Gooseneck & Aerator (NSW)</p>
Finish	Bright Chrome Plate
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Hot + Cold Water
WELS Rating	5 Star


Dishwasher | PS + HS Kitchen Staff, Kitchen Prep, Science Prep, Kitchen Domestic + Semi commercial

Property	Approved Product
Product	<u>174.05.02.01</u> Vandal Resistant CP-BS Lead Safe™ J/V Cistern Tap - Cold 
Finish	Bright Chrome Plate
Outler	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	N/A
Compliance	AS/NZS 3718


Boiling Water Unit - Staff + Canteen PS + HS

Property	Approved Product
Product	<u>174.05.02.01</u> Vandal Resistant CP-BS Lead Safe™ J/V Cistern Tap - Cold 
Finish	Bright Chrome Plate
Outler	1 Taphole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	N/A


Washing Machine - Laundry Tapware Schedule PS + HS

Property	Approved Product
Product	<p>49920 Vandal Resistant Chrome Plated Brass J/V Washing Machine Tap - Cold</p> <p>49924 Vandal Resistant Chrome Plated Brass J/V Washing Machine Tap – Hot</p> 
Finish	Bright Chrome Plate
Outlet Type	1 Tap Hole Hot + Cold Water
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold water
WELS Rating	N/A
Compliance	AS/NZS 3718


Hand Held Eye Wash | HS Covered Outdoor Work Area at Wood / Metal Workshops

Property	Approved Product
Product	<p>190.42.11.12 GalvinSafe® Eye/Face Wash, Wall Mtd, Hand Activated, AXION® MSR Head & SS Bowl (HAWS)</p> 
Finish	Stainless Steel
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Valve	
Connection	
WELS Rating	N/A
Mounting	Wall Mounted on Bracket


Safety Shower - Science Laboratory Tapware Schedule HS

Property	Approved Product
Product	<p><u>190.80.10.90</u> GalvinSafe® Free Standing Combi Shower, AXION® MSR ABS Eye/Face Wash, Hand & Foot Action (HAWS)</p> 
Finish	Bright Chrome Plate
Outlet	
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Valve	Self-Closing
Connection	
WELS Rating	N/A


Fume Cupboard | HS Science Laboratory Tapware Schedule

Property	Approved Product
Product	<p><u>TL10S-16C</u> GalvinLab® Chrome Plated Brass Lab Bench Mounted Outlet Type 10 Swivel #16XT Tube Nozzle</p> 
Finish	Bright Chrome Plate
Outlet	Tube Nozzle
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Connection	Non-drinking Water 15mm
WELS Rating	5 Star
Compliance	AS2845.1

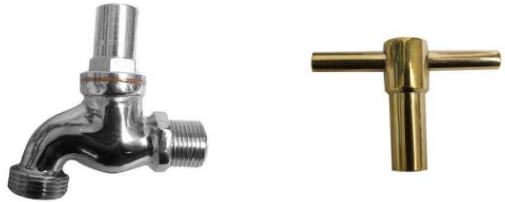
Gas Turret Science | HS Science Laboratory

Property	Approved Product
Product	<p>TG40.DRAC GalvinLab® CP-BS Lab 2-Way Right Angle Gas Turret Type 40 DPW - 90° with Non-Return Valve</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes- Robust, Tamper Proof
Description	Anti vandal double gas turret, with right angle bend in plug cock and non-return Valve in tail. Yellow gas indicator recessed into top of turret. Two tapered anti rotation lugs in base, with plug cocks and tail to be silver soldered. Plug cock to accept 10mm tube. Turrets to have individual batch numbers in accordance with AGA compliance.


Internal Hose Cock Tapware Schedule | PS + HS

Property	Approved Product
Product	<p>13284 CP-BS Key Control Hose Tap 12 (15BSP) Less Key</p> 
Finish	Bright Chrome Plate
Size	20mm Hose Thread
Mounting Height	Tap 450mm above finished surface or as directed
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	N/A
WELS Rating	N/A

External Hose Cock Tapware Schedule | PS + HS

Property	Approved Product
Product	<p>13284 CP-BS Key Control Hose Tap 12 (15BSP) Less Key</p> <p>12575 BS Key for Key Control Tap 'Polished'</p> 
Finish	Brass
Size	20mm Hose Thread
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	N/A
Installation	Each unit to consist of 20mm copper riser with a back Plated elbow to be fixed to the wall with 3 x 20mm brass screws, screwed into 20mm x 6mm expanding plastic plug. Where not against any wall, the back Plated elbow to be fixed with gal steel screw bolts and nuts to a 50 x 25 gal ms fixing stake. The hose cock standpipe to have a 300mm square and 100mm thick concrete base surround.

Chilled Drinking Water Unit | PS + HS Staff Room, drinking trough


Property	Approved Product
Product	<p>174.05.02.01 Vandal Resistant CP-BS Lead Safe™ J/V Cistern Tap - Cold</p> 
Finish	Bright Chrome Plate
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	N/A
Compliance	AS/NZS 3718

GUIDE NOTE: Only to be provided west of 33 degree isotherm.

Bottle Filler in Drinking Trough + Wash Trough Without Lockable Cover | PS + HS | New + Retrofit | Hob Mount Option

Property	Approved Product
Product	<p><u>368696X</u> Ezy-Push® 316 Stainless Steel Lead Safe™ Timeflow Push Button Pillar Tap 6 Sec – MI</p> 
Finish	Stainless steel
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	6 Stars
Compliance	AS/NZS 3718


Bottle Filler in Drinking / Wash Trough with Lockable Cover Only | PS + HS | New + Retrofit | Hob Mount Option

Property	Approved Product
Product	<p><u>368696X</u> Ezy-Push® 316 Stainless Steel Lead Safe™ Timeflow Push Button Pillar Tap 6 Sec – MI</p> 
Finish	Stainless steel
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	6 Stars
Compliance	AS/NZS 3718


Bottle Filler over Drinking / Wash Trough | PS + HS | Retrofit Wall Mount Option

Property	Approved Product
Product	<p>368667X Ezy-Push® 316 SS Lead Safe™ Timeflow Push Button Deluxe Bib Tap 6 Sec – MI</p> 
Finish	Stainless Steel
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	6 Stars
Compliance	AS/NZS 3718


Bottle Filler in Drinking Trough + Wash Trough with or Without Lockable Cover | PS + HS | New + Retrofit Wallsend Trough

Property	Approved Product
Product	<p>368696X Ezy-Push® 316 Stainless Steel Lead Safe™ Timeflow Push Button Pillar Tap 6 Sec – MI</p> 
Finish	Stainless steel
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	6 Stars
Compliance	AS/NZS 3718

Drinking Fountain | PS + HS

Property	Approved Product
Product	<p><u>170.52.14.00</u> Ezy-Drink® CP-BS Lead Safe™ 45° Lever Action Drinking Bubbler Tap - FI with Metal Mouthguard</p> <p><u>170.52.15.01</u> Ezy-Drink® CP-BS Lead Safe™ 45° Cam Action Drinking Bubbler - FI with Metal Mouthguard</p> 
Finish	Bright Chrome Plate
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	6 Stars
Compliance	AS/NZS 3718

Gravity Pressure Tank | Animal Space HS

Property	Approved Product
Product	<p><u>174.05.02.01</u> Vandal Resistant CP-BS Lead Safe™ J/V Cistern Tap - Cold</p> 
Finish	Bright Chrome Plate
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	N/A

GUIDE NOTE: Requires special consideration of services, refer manufacturer's recommendations

Refer to: SG / [METALWORK](#) SG / [JOINERY](#)SG / [SANITARY FIXTURES](#)

ID	TITLE	COMPLIANCE LEVEL
4.1	SELECTIONS	

As per current [NATSPEC](#) except as follows:

4.1 Items with integrated Sanitary Fixtures Installed by Contractor – Refer SG / Miscellaneous Furniture Section

Tapware Schedule for items supplied by education installed by Contractor - refer to SG / [MISCELLANEOUS FURNITURE](#)


GUIDE NOTE: Remove fixtures not required. Insert job specific locations, see furniture Schedules. Refer to Educational Facilities Standards and Guidelines and Miscellaneous Furniture.

*GUIDE NOTE: Refer to NATSPEC Building Template/ Worksection subclause "Water Services - **General Requirements**".*


Ensure the above clause is included in the "Water Services" Section of the project specification (Tender document).

Requirement: Supply, install, test and commission all water service fittings listed in this Subclause all in accordance with the requirements for this Section (TAPWARE).


B-05 Bench Cupboard | PS + HS Staff Areas

Property	Approved Product
Location	Staff Room adjoining Staff Annex Office Workroom Library Administration
Description	1200 Bench with SS sink with 3 tap holes
Product	174.22.22.03 Vandal Resistant CP-BS Lead Safe™ J/V Hob Sink Set with 200 Gooseneck Spout & Aerator (NSW) 
Spout	Aerated spout SP010 with 120 degree restricted swivel
Finish	Bright Chrome Plate
Vandal resistant construction	Yes - Robust, Tamper Proof
Isolation Valve	Hot + Cold Water
WELS Rating	5 Star
Compliance	AS/NZS 3718

B-05 Bench Cupboard | PS + HS GLS with Sink


Property	Approved Product
Location	GLS with Sink
Description	1200 Bench with SS sink with 1 tap hole
Product	<p><u>174.12.22.01</u> Vandal Resistant CP Lead Safe™ J/V Deluxe Bib Tap Cold with 8LPM Aerator (NSW)</p> 
Finish	Bright Chrome Plate
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	5 Star
Compliance	AS/NZS 3718

B-06 Bench Cupboard | HS Science


Property	Approved Product
Location	Science Learning Space
Description	1200 Bench with SS sink with 1 tap hole
Product	<p><u>167.16.31.00</u> GalvinLab® CP-BS Lead Safe™ Lab Set 1-Way Type 16 DPW Fixed J/V #16XT Tube Nozzle</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes -Robust, Tamper Proof
Isolation Valve	Cold water isolation Valve on master control
WELS Rating	5 Star
Compliance	AS/NZS 3718

GUIDE NOTE: Include B-080S BENCH CUPBOARD WITH stainless steel sink in P.S. – Special Education Unit – Practical Activities Area only if required


B-06 Bench Cupboard | HS Science

Property	Approved Product
Location	Practical Activity Areas
Description	B21 Bench Cupboard with Technology top, bench, SK-50 Craft Trough (Cold Water only)
Product	<p><u>167.16.31.00</u> GalvinLab® CP-BS Lead Safe™ Lab Set 1-Way Type 16 DPW Fixed J/V #16XT Tube Nozzle</p> <p><u>167.16. 27.00</u> GalvinLab® CP-BS Lab Set 1 Way Type 16 Fixed J/V Tube Nozzle - LH</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust and Tamper Proof
Isolation Valve	Cold Water
WELS Rating	5 Star
Compliance	AS/NZS 3718


B-21 Bench Cupboard | HS GLS with Science Demonstration Bench. Science Preparation

Property	Approved Product
Location	GLS with Science Demonstration Bench. Science Preparation
Description	B21 Bench Cupboard with Science Demonstration Bench. Science Preparation
Product	<p><u>167.08.30.00</u> GalvinLab® CP-BS Lead Safe™ Lab Set 2-Way Type 8 DPW Fixed J/V #8 Aerator #16XT Tube Nozzle</p> 
Finish	Bright Chrome Plate
Vandal resistant construction	Yes Robust, Tamper Proof
WELS Rating	5 Star


B-21 Bench Cupboard | HS Kitchen Domestic + Semi Commercial, Science Preparation, HS + PS Staff Lounge

Property	Approved Product
Product	<p>174.22.22.03 Vandal Resistant CP-BS Lead Safe™ J/V Hob Sink Set with 200 Gooseneck Spout & Aerator (NSW)</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Hot + Cold
WELS Rating	5 Star
Compliance	AS/NZS 3718


B-21 Bench Cupboard | PAA IO/IS/IP, BD/CD/ED, SHARED PAA IO/IS/IP

Property	Approved Product
Product	<p>102.15.11.03 CliniLever® CP-BS Lead Safe™ Hospital Sink Set with Swivel 150mm Outlet 150 J/V</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water Key Operated Isolation Valve
WELS Rating	5 Star
Compliance	AS/NZS 3718


B-21 Bench Cupboard | HS Kitchen Domestic + Semi Commercial, HS Preparation, HS Printing / Prep, HS Darkroom | 3 Tap Holes

Property	Approved Product
Product	<p>174.22.22.03 Vandal Resistant CP-BS Lead Safe™ J/V Hob Sink Set with 200 Gooseneck Spout & Aerator (NSW)</p> 
Finish	Bright Chrome plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Hot + Cold
WELS Rating	5 Star
Compliance	AS/NZS 3718

B-21 Bench Cupboard | HS GLS with Bench + Sink | 2 tap holes (Cold Water)

Property	Approved Product
Product	<p>174.12.22.01 (x2) Vandal Resistant CP Lead Safe™ J/V Deluxe Bib Tap Cold with 8LPM Aerator (NSW)</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold
WELS Rating	5 Star
Fittings	The outlet clearances above the rim of the sink must comply with statutory regulations. If required include an adaptor within the fittings to raise the outlets to the required height.
Compliance	AS/NZS 3718

B-21 Bench Cupboard | HS Fitness laboratory | 1 Tap Hole (Cold Water)

Property	Approved Product
Product	<p><u>174.12.22.01</u> Vandal Resistant CP Lead Safe™ J/V Deluxe Bib Tap Cold with 8LPM Aerator (NSW)</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	5 Star
Fittings	The outlet clearances above the rim of the sink must comply with statutory regulations. If required include an adaptor within the fittings to raise the outlets to the required height.
Compliance	AS/NZS 3718


B-21 Bench Cupboard | Clinic Boys + Girls, Sick Bay, Staff Room, Tea Room | 3 Tap Holes

Property	Approved Product
Product	<p><u>102.15.11.03</u> CliniLever® CP-BS Lead Safe™ Hospital Sink Set with Swivel 150mm Outlet 150 J/V</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Water
WELS Rating	5 Star
Compliance	AS/NZS 3718



B-21 Bench Cupboard | Clinic Boys + Girls, Sick Bay, Staff Room, Tea Room | 1 Tap Hole

Property	Approved Product
Product	<p>113.41.10.04 GalvinAssist® CP Lead Safe™ Short Sink Mixer with Short Paddle Handle W&C</p> 
Finish	Bright Chrome Plate
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Water
WELS Rating	6 Star

Bench Cupboard with top | Special Programs Room

Property	Approved Product
Product	<p>174.12.22.01 Vandal Resistant CP Lead Safe™ J/V Deluxe Bib Tap Cold with 8LPM Aerator (NSW)</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold Water
WELS Rating	5 Star
Fittings	The outlet clearances above the rim of the sink must comply with statutory regulations. If required include an adaptor within the fittings to raise the outlets to the required height.
Compliance	AS/NZS 3718

B-48 Bench Cupboard | HS Science GLS Demonstration | 3 Tap Holes

Property	Approved Product
Product	<p><u>167.08.30.00</u> GalvinLab® CP-BS Lead Safe™ Lab Set 2-Way Type 8 DPW Fixed J/V #8 Aerator #16XT Tube Nozzle</p>  <p><u>167.16.31.00</u> GalvinLab® CP-BS Lead Safe™ Lab Set 1-Way Type 16 DPW Fixed J/V #16XT Tube Nozzle</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Cold
WELS Rating	5 Star
Compliance	AS/NZS 3718


B-70 Darkroom Sink (SK41) with Bench Support | HS Visual Arts Learning Unit Dark Room

Property	Approved Product
Product	<p><u>102.15.11.03</u> CliniLever® CP-BS Lead Safe™ Hospital Sink Set with Swivel 150mm Outlet 150 J/V</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Water
WELS Rating	5 Star
Compliance	AS/NZS 3718

B-0506 Bench Cupboard | PAA BD/CD/ED with Kitchen added | 3 Tap Holes

Property	Approved Product
Product	<p><u>102.15.11.03</u> CliniLever® CP-BS Lead Safe™ Hospital Sink Set with Swivel 150mm Outlet 150 J/V</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Water
WELS Rating	5 Star
Compliance	AS/NZS 3718


Sp-48 Bench Cupboard | Height Adjustable (front wind) | HS Science Laboratory

Property	Approved Product
Product	<p><u>167.16.31.00</u> GalvinLab® CP-BS Lead Safe™ Lab Set 1-Way Type 16 DPW Fixed J/V #16XT Tube Nozzle</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Isolating Valve on Master Control
WELS Rating	5 Star
Connection	Flexible Supply Connection
Compliance	AS/NZS 3718


Sp-49 Bench | Height Adjustable (front wind) | HS Kitchen Domestic + Semi Commercial

Property	Approved Product
Product	<p>113.41.10.04 GalvinAssist® CP Lead Safe™ Short Sink Mixer with Short Paddle Handle W&C</p> 
Finish	Bright Chrome Plate
Outlet	1 Tap Hole
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Warm + Cold Water
WELS Rating	6 Star

SK-40 Practical Activities Sink Trough | SHARED PAA

Property	Approved Product
Product	<p>167.26.32.00 (x2) GalvinLab® CP-BS Lab Set Bib Tap Bench Mtd Type 26 DPW Fixed J/V #8 V/R Aerator - 5.5 LPM</p> <p>167.16.31.00 GalvinLab® CP-BS Lead Safe™ Lab Set 1-Way Type 16 DPW Fixed J/V #16XT Tube Nozzle</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Isolating Valve on Master Control
WELS Rating	5 Star
Compliance	AS/NZS 3718
Connection	As shown on drawing GUIDE NOTE: Refer to SG DRAWING / SG430/ 1 in the EFSG Specification Guide.

SK-40 Practical Activities Sink Trough | PAA BD/CD/ED, SHARED PAA IO/IS/SP

Property	Approved Product
Product	<p><u>167.26.32.00</u> (x2) GalvinLab® CP-BS Lab Set Bib Tap Bench Mtd Type 26 DPW Fixed J/V #8 V/R Aerator - 5.5 LPM</p> <p><u>167.16.31.00</u> GalvinLab® CP-BS Lead Safe™ Lab Set 1-Way Type 16 DPW Fixed J/V #16XT Tube Nozzle</p> 
Finish	Bright Chrome Plate
Vandal Resistant Construction	Yes - Robust, Tamper Proof
Isolation Valve	Isolating Valve on Master Control
WELS Rating	5 Star
Compliance	AS/NZS 3718
Connection	As shown on drawing GUIDE NOTE: Refer to <u>SG DRAWING</u> / SG430/ 1 in the <u>EFSG</u> Specification Guide.