

APPENDIX 3L

APPROVED SINKS & FAUCET COMBINATIONS

Please see attached.

Approved Sink and Faucet Combinations

Health Authority	FHA	Implementation Data	August 16, 2019
Tested and Vetted by	Matthew Leveque (FMO) Dr. Elizabeth Brodtkin (IPC)	Revision #	Revision 2
Written by	Michael Laslo (ARQTS)		
Authorized by	FHA IPC LMFM FMO Directors LMFM Standards Executive Director ARQTS (Asset Risk Quality; Technical Services) Director	Revision History	1. August 01, 2019 2. September xx, 2019
References	<ul style="list-style-type: none"> The British Columbia Ministry of Health’s Best Practices for Hand Hygiene; 2013 CSA Z317.1 (Special requirements for plumbing installations in health care facilities) CSA Z8000 (Canadian Health Care Facilities – Planning, Design and Construction) 		

Purpose:

Hand hygiene is a critical part of infection prevention and control at Health Care Facilities. The design needs to work effectively and efficiently for the cleaning of hands while restricting splashing and the spread of aerosols, and is dedicated exclusively for use by health care workers for the purposes of hand hygiene. CSA Z317.1-16 and CSA Z8000-18 state requirements for appropriate design, construction, commissioning, operation and maintenance.

A “[Best Practices for Hand Hygiene](#)” document has been created by the British Columbia Ministry of Health to also assist in recommendations for hand hygiene in healthcare settings and programs.

At Fraser Health, Facilities Maintenance Operations in co-operation with Infection Prevention and Control, have designed a set of testing procedures to help identify sinks that meet a specific set of criteria for use in Health Care Facilities within the Fraser Health Authority. These testing procedures have identified tested and vetted Sink and Faucet combinations that **will** be used.

These guidelines will be used to support the selection process of a sink and faucet design for each patient lavatory and hand hygiene sink location in all types of healthcare facilities

Scope:


This standard **will** be applied to **all health care facilities** across the Fraser Health Authority.

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Glossary of Terms:


- 1)  - BCBC Handicap Code Compliant
- 2) **Aerator**- Is the process by which air is circulated through, mixed with or dissolved in a liquid by means of attaching a device to the end of the spout.
- 3) **BCBC**- British Columbia Building Code
- 4) **Center Set**- Single control faucets (also called “monoblock”) offer. ... Two handle faucets require three holes in the sink top: the center one for the spout and the two outside holes for the hot and color sink water control handles. Generally, a 4-inch center set or 8-inch widespread faucet is used on a three whole sink.
- 5) **Deck Mount Faucet**- A deck-mounted faucet is one that mounts on a horizontal surface, such as a sink or a countertop
- 6) **Electronic Faucet**- An automatic faucet or tap (also hands-free faucet, touchless faucet, electronic faucet, motion sensing faucet, sensor faucet, or infrared faucet) is a faucet equipped with a proximity sensor and mechanism that opens its valve to allow water to flow in response to the presence of a hand or hands in close proximity
- 7) **Ensuite**- A washroom that immediately joins a bedroom and forms part of the same set of rooms.
- 8) **Faucet**- A device by which a flow of liquid or gas from a pipe or container can be controlled; a tap

- 9) **Gooseneck**- A long vertical spout terminating at a 180° bend with various ends i.e.; Laminar flow, laminar spray, aerator or surgical end
- 10) **GPM**- Gallons Per Minute
- 11) **Hand Hygiene**- A general term referring to any action of hand cleaning. Hand hygiene relates to the removal of visible soil and removal or killing of transient microorganisms from the hands. Hand hygiene may be accomplished using an alcohol-based hand rub or soap and running water. Hand hygiene includes surgical hand antisepsis.
- 12) **Hand Hygiene Sink**- A sink dedicated for hand hygiene and no other purpose. Constructed of a non-porous material such as porcelain, Corian®, enamel, vitreous china, or 18 + gauge stainless steel. The design should prevent splashing back that may contaminate hands or faucet. The minimum depth recommended by CHICA- Canada Healthcare Facility Design position statement is 225mm; the minimum inside dimension should be 350mm by 250mm and without an overflow.
- 13) **Laminar Flow**- Smooth, orderly movement of a fluid, in which there is no turbulence, and any given sub-current moves more or less in parallel with any other nearby sub-current.
- 14) **Lavatory Sink**- A sink dedicated for patient or public use. Constructed of a non-porous material such as porcelain, Corian®, enamel, vitreous china, or 18 + gauge stainless steel. The design should prevent splashing back that may contaminate hands or faucet. The sink must meet BCBC handicap compliancy and wall mounted, 510mm long by 685mm wide. The minimum depth recommended by CHICA- Canada Healthcare Facility Design position statement is 225mm; the minimum inside dimension should be 350mm by 250mm and without an overflow.
- 15) **Manual Faucet**- A faucet operated by a cold & hot handle and is turned on and off by the operator.
- 16) **Mixing Valve**- Is a valve that blends hot water with cold water to ensure constant, safe shower and bath outlet temperatures, preventing scalding.
- 17) **Patient Washroom**- Any washroom which is not an ensuite and is located outside of a Patient room in a common area.
- 18) **P-Trap**- A P-trap is a plumbing fixture that has several purposes. It traps debris that has drained from the sink and prevents it from forming a clog deep within the plumbing system, and to stops sewer gases from passing into the room.
- 19) **Wall Mount Faucet**- A wall mount faucet is one that mounts on a vertical surface, such as a scrub sink of Franke Z8000 compliant sink.
- 20) **CSA Z8000 Canadian Health Care Facilities - Planning, Design and Construction**- The design and construction of hospitals, medical offices and other health care facilities is a critical element in the continued delivery of quality

healthcare in Canada.

Table 1: Approved parts combinations for Lavatory Sinks in an Ensuite

Sink A	American Standard Murro 0954004EC (less overflow)		Best Practices for Hand Hygiene rating Appendix A	A III
- Approved for patient ensuite only				
<i>Manual Faucets (pick one)</i>		<i>Mixing Valve (pick one)</i>		<i>P-Traps and Tail Pieces (pick one)</i>
Moen 8279		Bradley Mixing Valve S59-4000BY		Mountain MT3140 Copper 1 ¼" P-Trap
Moen 8285	gooseneck option S0030	Leonard 170A-LF-BP		OS&B 110XBDCP 1 ¼" P-Trap
T&S B-0892-QT-VF05		WATTS LFUSG-B-M2		OS&B 3737WC 1 ¼" Offset Lavatory Drain
Zurn Z812B4-XL (1.5 GPM Internal disc Only)				

Sink B	Willoughby Industries BHS-3123		Best Practices for Hand Hygiene rating Appendix A	B I
Approved for bariatric ensuite only				
<i>Manual Faucets (pick one)</i>		<i>Mixing Valve (pick one)</i>		<i>P-Traps and Tail Pieces (pick one)</i>
Chicago 201-ADB6AE3-317AB		Bradley Mixing Valve S59-4000BY		Mountain MT3140 Copper 1 ¼" P-Trap
Chicago 895-317GN2AE65VPAB		Leonard 170A-LF-BP		OS&B 110XBDCP 1 ¼" P-Trap
Chicago 1100-GN2AE35-317AB		WATTS LFUSG-B-M2		OS&B 3737WC 1 ¼" Offset Lavatory Drain
Moen 8279				
Moen 8285	gooseneck option S0030			
T&S B-0892-QT-VF05				
T&S B-1142-04		Note: gooseneck option GN2FCJKABCP is available for Chicago Faucets models 201, 895 and 1100.		
Zurn Z812B4-XL (1.5 GPM Internal disc Only)				
Zurn Z871B4-XL (1.5 GPM Internal disc Only)		Note: Moen 8285, T&S B-1142-04 and Zurn Z871B4 are an 8" center set.		





Sink C	Corian 810P and 815P		Best Practices for Hand Hygiene rating Appendix A	A III
Approved for patient ensuite only				
<i>Manual Faucets (pick one)</i>		<i>Mixing Valve (pick one)</i>		<i>P-Traps and Tail Pieces (pick one)</i>
Chicago 201-ADB6AE3-317AB		Bradley Mixing Valve S59-4000BY		Mountain MT3140 Copper 1 ¼" P-Trap
Chicago 895-317GN2AE65VPAB		Leonard 170A-LF-BP		Mountain MT3130 Copper 1 ½" P-Trap
Chicago 1100-GN2AE35-317AB		WATTS LFUSG-B-M2		OS&B 110XBDCP 1 ¼" P-Trap
Moen 8279				OS&B 114BDCP 1 ½" P-Trap
Moen 8285	gooseneck option S0030			OS&B 3737 1 ¼" Lavatory Drain
T&S B-0892-QT-VF05				OS&B 3737WC 1 ¼" Offset Lavatory Drain
T&S B-1142-04				Note: gooseneck option GN2FCJKABCP is available for Chicago Faucets models 201, 895 and 1100.
Zurn Z812B4-XL (1.5 GPM Internal disc Only)				
Zurn Z871B4-XL (1.5 GPM Internal disc Only)		Note: Moen 8285, T&S B-1142-04 and Zurn Z871B4 are an 8" center set.		

Table 2: Approved parts combinations for Z8000 Approved Hand Hygiene Sinks

Sink D	CLASS 1 Smartflo3 		
<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Mounting Bracket</i>
<i>Already built into the product</i>	<i>No 3rd party mixing valve required</i>	Mountain MT3130 Copper 1 ½" P-Trap	Franke IMC2104
		OS&B 114BDCP 1 ½" P-Trap	
Note: This product to be used in UV lit rooms only			

Sink E	Franke HWSS2321W-00 (Medi-Flo3) 		
<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Mounting Bracket</i>
		Mountain MT3130 Copper 1 ½" P-Trap	


Already built into the	No 3 rd party mixing valve required	OS&B 114BDCP 1 ½" P-Trap	Franke IMC2104
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Sink F		Franke HWS141P-00 	
<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Electrical component required</i>
Chicago 116.690.AB.1	Bradley S59-4000BY	Mountain MT3130 Copper 1 ½" P-Trap	Chicago Transformer 24 Volt #128
gooseneck option GN2FCJKABCP	Leonard 170A-LF-BP	OS&B 114BDCP 1 ½" P-Trap	
		WATTS LFUSG-B-M2	

Chicago 116.104.AB.1	Bradley S59-4000A	Mountain MT3130 Copper 1 ½" P-Trap	Chicago Transformer 24 Volt #128
gooseneck option GN2FCJKABCP	Leonard 170A-LF-BP	OS&B 114BDCP 1 ½" P-Trap	


Sloan ETF-500	Bradley S59-4000A	Mountain MT3130 Copper 1 ½" P-Trap	Sloan Optima Transformer 24 Volt
	Leonard 170A-LF-BP	OS&B 114BDCP 1 ½" P-Trap	

Toto TEL161-D10EM Eco	Bradley S59-4000A	Mountain MT3130 Copper 1 ½" P-Trap	Already included with the product
	Leonard 170A-LF-BP	OS&B 114BDCP 1 ½" P-Trap	


Sink G		Franke HWSS1518P-00 	
<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Electrical component required</i>
Chicago 116.690.AB.1	Bradley S59-4000BY	Mountain MT3130 Copper 1 ½" P-Trap	Chicago Transformer 24 Volt #128
	Leonard 170A-LF-BP	OS&B 114BDCP 1 ½" P-Trap	


gooseneck option	WATTS LFUSG-B-M2
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Chicago 116.104.AB.1	Bradley S59-4000A	Mountain MT3130 Copper 1 ½" P-Trap	Chicago Transformer 24 Volt #128
gooseneck option GN2FCJKABCP	Leonard 170A-LF-BP	OS&B 114BDCP 1 ½" P-Trap	

Sink H	Franke HWSS1518P-00 		
<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Electrical component required</i>
Sloan ETF-500	Bradley S59-4000A	Mountain MT3130 Copper 1 ½" P-Trap	Sloan Optima Transformer 24 Volt
	Leonard 170A-LF-BP	OS&B 114BDCP 1 ½" P-Trap	

Toto TEL161-D10EM Eco	Bradley S59-4000A	Mountain MT3130 Copper 1 ½" P-Trap	Already included with the product
	Leonard 170A-LF-BP	OS&B 114BDCP 1 ½" P-Trap	


Sink I	Whitehall Infection Prevention Sink 4151-H1 		
<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Electrical component required</i>
Chicago 116.608.AB.1	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Chicago Transformer 24 Volt #128
	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap	
	WATTS LFUSG-B-M2	OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737WC 1 ¼" Offset Lavatory Drain	

<i>Sink J</i>	Whitehall Infection Prevention Sink 4151-H1 		
<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Electrical component required</i>
Chicago 116.103.AB.1	Bradley S59-4000A	Mountain MT3140 Copper 1 ¼" P-Trap	Chicago Transformer 24 Volt #128
gooseneck option GN2FCJKABCP	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap	
		OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737WC 1 ¼" Offset Lavatory Drain	

Chicago 116.223.AB.1	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Chicago Transformer 24 Volt #128
gooseneck option GN2FCJKABCP	Leonard 170A-LF-BP WATTS LFUSG-B-M2	Mountain MT3130 Copper 1 ½" P-Trap	
		OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737WC 1 ¼" Offset Lavatory Drain	

Kohler K-13462	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Kohler Transformer K-13480-A
	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap	
	WATTS LFUSG-B-M2	OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737WC 1 ¼" Offset Lavatory Drain	

Kohler K-13463	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Kohler Transformer K-13480-A
	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap	
		OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737WC 1 ¼" Offset Lavatory Drain	

Sink K	Whitehall Infection Prevention Sink 4151-H1 		
<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Electrical component required</i>
Moen 8553 (Battery)	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Moen AC Transformer 104630
Moen 8553AC (AC Power)	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap	
		OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737WC 1 ¼" Offset Lavatory Drain	


Moen 8554 (Battery)	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Moen AC Transformer 104630
Moen 8554AC (AC Power)	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap	
	WATTS LFUSG-B-M2	OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737WC 1 ¼" Offset Lavatory Drain	

Sloan Basys EFX-200.502.0000 (low height)	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Sloan Optima Transformer 24 Volt
	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap	
	WATTS LFUSG-B-M2	OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737WC 1 ¼" Offset Lavatory Drain	


Sloan Basys EFX-6X0-X1X-00X0 (mid height)	Bradley Mixing Valve S59-4000A	Mountain MT3140 Copper 1 ¼" P-Trap	Sloan Optima Transformer 24 Volt
	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap	
		OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737WC 1 ¼" Offset Lavatory Drain	



Table 4: Approved parts combinations for Lavatory Sinks in patient area washrooms (excluding ensuites)

Sink N	American Standard Murro 0954004EC (less overflow)		Best Practices for Hand Hygiene rating Appendix A	A III
FHA recommendation - Approved for patient area washrooms				
<i>Manual Faucets (pick one)</i>		<i>Mixing Valve (pick one)</i>		<i>P-Traps and Tail Pieces (pick one)</i>
Moen 8279		Bradley Mixing Valve S59-4000BY		Mountain MT3140 Copper 1 ¼" P-Trap
Moen 8285	gooseneck option S0030	Leonard 170A-LF-BP		OS&B 110XBDCP 1 ¼" P-Trap
T&S B-1142-04		WATTS LFUSG-B-M2		OS&B 3737WC 1 ¼" Offset Lavatory Drain
Zurn Z812B4-XL (1.5 GPM Internal disc Only)				

<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Electrical component required</i>
Chicago 116.608.AB.1	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Chicago Transformer 24 Volt #128
	Leonard 170A-LF-BP	OS&B 110XBDCP 1 ¼" P-Trap	
	WATTS LFUSG-B-M2	OS&B 3737WC 1 ¼" Offset Lavatory Drain	

Sink N	American Standard Murro 0954004EC (less overflow)		Best Practices for Hand Hygiene rating Appendix A	A III
FHA recommendation - Approved for patient area washrooms				
<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Electrical component required</i>	
Kohler K-13462	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Kohler Transformer K-13480-A	
	Leonard 170A-LF-BP	OS&B 110XBDCP 1 ¼" P-Trap		
	WATTS LFUSG-B-M2	OS&B 3737WC 1 ¼" Offset Lavatory Drain		

Kohler K-13463	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Kohler Transformer K-13480-A
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Leonard 170A-LF-BP	OS&B 110XBDCP 1 ¼" P-Trap
	OS&B 3737WC 1 ¼" Offset Lavatory Drain

Sink N	American Standard Murro 0954004EC (less overflow)		Best Practices for Hand Hygiene rating Appendix A	A III
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FHA recommendation - Approved for patient area washrooms

<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Electrical component required</i>
Moen 8553 (Battery)	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Moen AC Transformer 104630
Moen 8553AC (AC Power)	Leonard 170A-LF-BP	OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 3737WC 1 ¼" Offset Lavatory Drain	


Moen 8554 (Battery)	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Moen AC Transformer 104630
Moen 8554AC (AC Power)	Leonard 170A-LF-BP	OS&B 110XBDCP 1 ¼" P-Trap	
		WATTS LFUSG-B-M2	

Sloan Basys EFX-200.502.0000 (low height)	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Sloan Optima Transformer 24 Volt
	Leonard 170A-LF-BP	OS&B 110XBDCP 1 ¼" P-Trap	
		WATTS LFUSG-B-M2	

Sloan Basys EFX-6X0-X1X-00X0 (mid height)	Bradley S59-4000A	Mountain MT3140 Copper 1 ¼" P-Trap	Sloan Optima Transformer 24 Volt
	Leonard 170A-LF-BP	OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 3737WC 1 ¼" Offset Lavatory Drain	

Sink O	Corian 810P and 815P		Best Practices for Hand Hygiene rating Appendix A	A III
FHA recommendation - Approved for patient area washrooms				
<i>Manual Faucets (pick one)</i>		<i>Mixing Valve (pick one)</i>		<i>P-Traps and Tail Pieces (pick one)</i>
Chicago 201-ADB6AE3-317AB		Bradley Mixing Valve S59-4000BY		Mountain MT3140 Copper 1 ¼" P-Trap
Chicago 895-317GN2AE65VPAB		Leonard 170A-LF-BP		Mountain MT3130 Copper 1 ½" P-Trap
Chicago 1100-GN2AE35-317AB		WATTS LFUSG-B-M2		OS&B 110XBDCP 1 ¼" P-Trap
Moen 8279				OS&B 114BDCP 1 ½" P-Trap
Moen 8285	gooseneck option S0030			OS&B 3737 1 ¼" Lavatory Drain
T&S B-0892-QT-VF05				OS&B 3737WC 1 ¼" Offset Lavatory Drain
T&S B-1142-04				Note: gooseneck option GN2FCJKABCP is available for Chicago Faucets models 201, 895 and 1100.
Zurn Z812B4-XL (1.5 GPM Internal disc Only)				
Zurn Z871B4-XL (1.5 GPM Internal disc Only)		Note: Moen 8285, T&S B-1142-04 and Zurn Z871B4 are an 8" center set.		

<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Electrical component required</i>
Chicago 116.608.AB.1	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Chicago Transformer 24 Volt #128
	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap	
	WATTS LFUSG-B-M2	OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737 1 ¼" Lavatory Drain	
		OS&B 3737WC 1 ¼" Offset Lavatory Drain	

Sink O	Corian 810P and 815P		Best Practices for Hand Hygiene rating Appendix A	A III
FHA recommendation - Approved for patient area washrooms				
Electronic Faucet	Mixing Valve	P-Traps and Tail Pieces (pick one)	Electrical component required	
Kohler K-13462	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Kohler Transformer K-13480-A	
	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap		
	WATTS LFUSG-B-M2	OS&B 110XBDCP 1 ¼" P-Trap		
		OS&B 114BDCP 1 ½" P-Trap		
		OS&B 3737 1 ¼" Lavatory Drain		
		OS&B 3737WC 1 ¼" Offset Lavatory Drain		
Kohler K-13463	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Kohler Transformer K-13480-A	
	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap		
		OS&B 110XBDCP 1 ¼" P-Trap		
		OS&B 114BDCP 1 ½" P-Trap		
		OS&B 3737 1 ¼" Lavatory Drain		
		OS&B 3737WC 1 ¼" Offset Lavatory Drain		
Moen 8553 (Battery)	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Moen AC Transformer 104630	
Moen 8553AC (AC Power)	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap		
		OS&B 110XBDCP 1 ¼" P-Trap		
		OS&B 114BDCP 1 ½" P-Trap		
		OS&B 3737 1 ¼" Lavatory Drain		
	OS&B 3737WC 1 ¼" Offset Lavatory Drain			

Sink O	Corian 810P and 815P		Best Practices for Hand Hygiene rating Appendix A	A III
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FHA recommendation - Approved for patient area washrooms

<i>Electronic Faucet</i>	<i>Mixing Valve</i>	<i>P-Traps and Tail Pieces (pick one)</i>	<i>Electrical component required</i>
Moen 8554 (Battery)	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Moen AC Transformer 104630
Moen 8554AC (AC Power)	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap	
	WATTS LFUSG-B-M2	OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737 1 ¼" Lavatory Drain	
OS&B 3737WC 1 ¼" Offset Lavatory Drain			

Sloan Basys EFX-200.502.0000 (low height)	Bradley Mixing Valve S59-4000BY	Mountain MT3140 Copper 1 ¼" P-Trap	Sloan Optima Transformer 24 Volt
	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap	
	WATTS LFUSG-B-M2	OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737 1 ¼" Lavatory Drain	
OS&B 3737WC 1 ¼" Offset Lavatory Drain			

Sloan Basys EFX-6X0-X1X-00X0 (mid height)	Bradley S59-4000A	Mountain MT3140 Copper 1 ¼" P-Trap	Sloan Optima Transformer 24 Volt
	Leonard 170A-LF-BP	Mountain MT3130 Copper 1 ½" P-Trap	
		OS&B 110XBDCP 1 ¼" P-Trap	
		OS&B 114BDCP 1 ½" P-Trap	
		OS&B 3737 1 ¼" Lavatory Drain	
OS&B 3737WC 1 ¼" Offset Lavatory Drain			