**Market Vertical: Education**

**Project / Product Inquiry: PH: 1.800.982.5839 –** Customer.Service@Sloan.com

**Product Offering in Master Specification:**



**SECTION 224213.13 - COMMERCIAL WATER CLOSETS**

**FLOOR-MOUNTED, BOTTOM-OUTLET, TOP SPUD WATER CLOSETS**

A. Water Closets <**Insert drawing designation**>: Floor mounted, bottom outlet, top spud.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company**: ST-2009-STG** with SloanTec hydrophobic Glaze and 1000g Map score. Buy American Act (BAA) Compliant.

 Product: Sloan ST 2009-STG [(Specification)](https://www.sloan.com/spec-sheet/2172009)

 Standard: ASME A112.19.2/CSA B45.1

 Material: Vitreous China

 Bowl: Standard

 Type: Siphon Jet

 Style: Flushometer Valve

 Rim Height: 15”

 Rim Contour: Elongated

 Water Consumption: 1.1 - 1.6 gpf (4.2 - 6.0 Lpf)

 Spud Size and Location: IPS 1 1/2", Top inlet

 Color: White

 Bowl to Drain Connection: [ASTM A 1045] or [ASME A112.4.3.]

 Flushometer Valve: <Insert Flushometer valve designation>.

 Toilet Seat: Toilet Seat: <Insert Toilet seat designation>.

B. Water Closets <**Insert drawing designation**>: Floor mounted, bottom outlet, rear spud.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ST-2019-STG** with SloanTec hydrophobic Glaze and 1000g Map score. Buy American Act (BAA) Compliant.

 Product: ST 2019-STG [(Specification)](https://www.sloan.com/spec-sheet/2172019)

 Standard: ASME A112.19.2/CSA B45.1

 Material: Vitreous China

 Bowl: Standard

 Type: Siphon Jet

 Style: Flushometer Valve

 Rim Height: 15”

 Rim Contour: Elongated

 Water Consumption: 1.1 - 1.6 gpf (4.2 - 6.0 Lpf)

 Spud Size and Location: IPS 1 1/2", Top inlet

 Color: White

 Bowl to Drain Connection: [ASTM A 1045] or [ASME A112.4.3.]

 Flushometer Valve: <Insert Flushometer valve designation>.

 Toilet Seat: Toilet Seat: <Insert Toilet seat designation>.

**FLOOR-MOUNTED, BOTTOM-OUTLET, TOP SPUD JUVENILE / CHILD WATER CLOSETS**

A. Water Closets <**Insert drawing designation**>: Floor mount, bottom outlet, top spud juvenile bowl.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ST-2309-STG** with SloanTec hydrophobic Glaze and 1000g Map score. Buy American Act (BAA) Compliant.

 Product: ST 2309-STG ([Specification)](https://www.sloan.com/spec-sheet/2172309)

 Standard: ASME A112.19.2/CSA B45.1

 Material: Vitreous China

 Bowl: Standard

 Type: Siphon Jet

 Style: Flushometer Valve

 Rim Height: 10.75” (juvenile height)

 Rim Contour: Elongated

 Water Consumption: 1.1 - 1.6 gpf (4.2 - 6.0 Lpf)

 Spud Size and Location: IPS 1 1/2", top inlet

 Color: White

 Bowl to Drain Connection: [ASTM A 1045] or [ASME A112.4.3.]

 Flushometer Valve: <Insert Flushometer valve designation>.

 Toilet Seat: <Insert Toilet seat designation>.

B. Water Closets <**Insert drawing designation**>: Floor mount, bottom outlet, top spud juvenile bowl.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ST-2449-STG** with SloanTec hydrophobic Glaze and 1000g Map score. Buy American Act (BAA) Compliant.

 Product: ST 2449-STG [(Specification)](https://www.sloan.com/spec-sheet/2172449)

 Standard: ASME A112.19.2/CSA B45.1

 Material: Vitreous China

 Bowl: Standard

 Type: Siphon Jet

 Style: Flushometer Valve

 Rim Height: 13.5” (juvenile height)

 Rim Contour: Elongated

 Water Consumption: 1.1 - 1.6 gpf (4.2 - 6.0 Lpf)

 Spud Size and Location: IPS 1 1/2", top inlet

 Color: White

 Bowl to Drain Connection: [ASTM A 1045] or [ASME A112.4.3.]

 Flushometer Valve: <Insert Flushometer valve designation>.

 Toilet Seat: <Insert Toilet seat designation>

**WALL-MOUNTED WATER CLOSETS**

A. Water Closets <**Insert drawing designation**>: Wall mounted, top spud [**accessible**].

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ST-2459-STG** with SloanTec hydrophobic Glaze and 1000g Map score. Buy American Act (BAA) Compliant.

 Product: ST 2459-STG [(Specification)](https://www.sloan.com/spec-sheet/2172459)

 Standard: ASME A112.19.2/CSA B45.1

 Material: Vitreous China

 Bowl: Standard

 Type: Siphon Jet

 Style: Flushometer Valve

 Rim Height: 13 ¼” to 17” ADA

 Rim Contour: Elongated

 Water Consumption: 1.1 - 1.6 gpf (4.2 - 6.0 Lpf)

 Spud Size and Location: IPS 1 1/2", top inlet

 Color: White

 Bowl to Drain Connection: [ASTM A 1045] or [ASME A112.4.3.]

 Flushometer Valve: <Insert Flushometer valve designation>.

 Toilet Seat: <Insert Toilet seat designation>

 **FLUSHOMETER VALVES**

A. Lever-Handle, Diaphragm Flushometer Valves <**Insert designation**>:

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Royal 111** Water Closet Flushometer. Valve shall be Made in the USA, Rubber components must be chloramine resistant PERMEX® rubber with dual filter diaphragm assembly. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Free spinning vandal resistant stop cap with back check control stop.

 Product: Royal 111 [(Specification)](https://www.sloan.com/general-spec/1016)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: Vandal resistant stop cap, dual filter diaphragm, triple seal handle

 Material: Semi-red brass, PERMEX® Rubber Components

 Exposed Flushometer – Valve Finish: Chrome plated, PVD Polished Brass, PVD Brushed Nickel, PVD Brushed Stainless, PVD Graphite

 Style: Exposed

 Consumption: 1.1 gal (4.2 L), 1.28 gal. (4.8 L), 1.6 gal. (6 L)

 Minimum Inlet: NPS 1 (DN 25).

 Minimum Outlet: NPS 1-1/2 (DN 40).

B. Lever-Handle, Diaphragm Flushometer Valves <**Insert designation**>:

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Sloan 111** Water Closet flushometer. Valve shall be Made in the USA, Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red and include High Chloramine Resistant PERMEX® Synthetic Rubber DFB Dual Filtered Bypass Diaphragm.

 Product: Sloan 111 [(Specification)](https://www.sloan.com/general-spec/2011)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: Vandal resistant stop cap, dual filter diaphragm, triple seal handle

 Material: Semi-red brass, PERMEX® Rubber Components

 Exposed Flushometer – Valve Finish: Chrome plated.

 Style: Exposed

 Consumption: 1.1 gal (4.2L), 1.28 gal. (4.8 L), 1.6 gal. (6 L) per flush.

 Minimum Inlet: NPS 1 (DN 25).

 Minimum Outlet: NPS 1-1/2 (DN 40).

C. Lever-Handle, Diaphragm Flushometer Valves <**Insert designation**>:

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Regal 111 XL** Water Closet Flushometer, Fixed Bypass Diaphragm Orifice. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Free spinning vandal resistant stop cap with back check control stop. Valve shall be Made in the USA.

 Product: Regal 111 XL [(Specification)](https://www.sloan.com/general-spec/2106)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: Fixed bypass diaphragm, sealed handle assembly

 Material: Semi-red brass, Natural Rubber Components

 Exposed Flushometer – Valve Finish: Chrome plated.

 Style: Exposed

 Consumption: 1.28 gal. (4.8 L), 1.6 gal. (6 L) per flush.

 Minimum Inlet: NPS 1 (DN 25).

 Minimum Outlet: NPS 1-1/2 (DN 40).

C. Solenoid-Actuator, Diaphragm Flushometer Valves <**Insert designation**>:

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Royal 111 ESS TMO** hardwired, sensor activated Flushometer with true mechanical override. PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass, Non-Hold-Open True Mechanical Override. No External Volume Adjustment to Ensure Water Conservation. Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi- Red Brass. Valve shall be Made in the USA.

 Product: Royal 111 ESS TMO [(Specification)](https://www.sloan.com/general-spec/686)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: True mechanical override if loss of power occurs, non-hold open feature

 Material: Semi Red Brass Body, PERMEX® rubber components

 Exposed Flushometer – Valve Finish: Chrome plated, PVD Polished Brass, PVD Brushed Nickel, PVD Brushed PVD Brushed Stainless, PVD Graphite

 Style: Exposed Flushometer

 Actuator: Solenoid complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Trip Mechanism: Hard-wired electronic sensor complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Consumption: 1.1 gal (4.2L), 1.28 gal. (4.8 L), 1.6 gal. (6 L), 3.5 gal. (13.2 L)] per flush.

 Minimum Inlet: NPS 1 (DN 25).

 Minimum Outlet: NPS 1-1/2 (DN 40).

D. Solenoid-Actuator, Diaphragm Flushometer Valves <**Insert designation**>:

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Sloan 111 ESS TMO** hardwired flushometer with true mechanical override. Rubber components must be chloramine resistant PERMEX® rubber with linear filter diaphragm assembly. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Free spinning vandal resistant stop cap with back check control stop. Valve shall be Made in the USA.

 Product: Sloan 111 ESS TMO [(Specification)](https://www.sloan.com/general-spec/2111)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: True mechanical override if loss of power occurs, non-hold open feature

 Material: Semi Red Brass Body, PERMEX® rubber components

 Exposed Flushometer – Valve Finish: Chrome plated.

 Style: Exposed Flushometer

 Actuator: Solenoid complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Trip Mechanism: Hard-wired electronic sensor complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Consumption: 1.1 gal. (4.2L), 1.28 gal. (4.8 L), 1.6 gal. (6 L), 3.5 gal. (13.2 L)] per flush.

 Minimum Inlet: NPS 1 (DN 25).

 Minimum Outlet: NPS 1-1/2 (DN 40).

E. Solenoid-Actuator, Diaphragm Flushometer Valves <**Insert designation**>:

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Regal 111 XL ESS** hardwired flushometer. Fixed Bypass Diaphragm Orifice. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass and with back check control stop. Valve shall be Made in the USA.

 Product: Regal 111 XL ESS [(Specification)](https://www.sloan.com/general-spec/2556)

 Standard: ASSE 1037

Minimum Pressure Rating: 15 PSI (103 kPa)

Features: Non-hold open feature, fixed bypass diaphragm.

 Material: Semi red brass body with corrosion resistant components.

 Exposed Flushometer – Valve Finish: Chrome plated.

 Style: Exposed Flushometer

 Actuator: 24 VAC actuator complying with UL and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application

 Trip Mechanism: Hard-wired electronic sensor complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Consumption: 1.28 gal. (4.8 L), 1.6 gal. (6 L), 3.5 gal. (13.2 L)] per flush.

 Minimum Inlet: NPS 1 (DN 25).

 Minimum Outlet: NPS 1-1/2 (DN 40).

F. Battery-Powered, Solenoid-Actuator, Diaphragm Flushometer Valves **<Insert designation>**:

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **G2 8111** sensor activated flushometer with low battery indicator, PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass, Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection and Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi- Red Brass. Valve shall be Made in the USA.

 Product: G2 8111 [(Specification)](https://www.sloan.com/general-spec/2856)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: Dual filter bypass diaphragm with PERMEX® rubber components

 Material: Semi Red Brass Body with Corrosion Resistant Components

 Exposed Flushometer – Finish: Polished Chrome, PVD Brushed Nickel, PVD Brushed Stainless, PVD Graphite, PVD Polished Brass

 Style: Exposed Flushometer

 Actuator: Solenoid complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Operation: Operates using battery power up to 6 years with low battery indicator light

 Trip Mechanism: Battery powered electronic sensor complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Consumption: 1.28 gal. (4.8 L) per flush, 1.6 gal. (6 L) per flush.

 Minimum Inlet: NPS 1 (DN 25).

 Minimum Outlet: NPS 1-1/2 (DN 40).

G. Battery-Powered, Solenoid-Actuator, Diaphragm Flushometer Valves **<Insert designation>**:

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Sloan 8111** Sensor operated flushometer. Rubber components must be chloramine resistant PERMEX® rubber with linear filter diaphragm assembly. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Free spinning vandal resistant stop cap with back check control stop. Valve shall be Made in the USA.

 Product: Sloan 8111 ([Specification)](https://www.sloan.com/general-spec/2701)

 Standard: ASSE 1037

Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: Linear Filter Bypass Diaphragm along with Stop Seat, and Vacuum Breaker molded from PERMEX® rubber compound for Chloramine resistance

 Material: Semi Red Brass Body with Corrosion Resistant Components

 Exposed Flushometer – Finish: Polished Chrome

 Style: Exposed Flushometer

 Actuator: 6 VDC actuator complying with UL and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application

 Operation: Operates using battery power up to 6 years with low battery indicator light

 Trip Mechanism: Battery powered electronic sensor complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Consumption: 1.28 gal. (4.8 L) per flush, 1.6 gal. (6 L) per flush.

 Minimum Inlet: NPS 1 (DN 25).

 Minimum Outlet: NPS 1-1/2 (DN 40).

H. Battery-Powered, Actuator, Diaphragm Flushometer Valves **<Insert designation>**:

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Royal 111 SFSM** Sensor operated Flushometer. Rubber components must be chloramine resistantPERMEX® rubber with dual filter diaphragm assembly. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Free spinning vandal resistant stop cap with back check control stop. Valve shall be Made in the USA.

 Product: Royal 111 SFSM [(Specification)](https://www.sloan.com/general-spec/1826)

 Standard: ASSE 1037

Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: Dual Filter Bypass Diaphragm along with Stop Seat, Handle Packing and Vacuum Breaker molded from PERMEX® rubber compound for Chloramine resistance

 Material: Semi Red Brass Body with Corrosion Resistant Components

 Exposed Flushometer – Finish: Polished Chrome

 Style: Exposed Flushometer

 Actuator: 6 VDC actuator complying with UL and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application

 Operation: Operates using battery power up to 3 years with low battery indicator light. Built with True Mechanical Override if loss of power.

 Trip Mechanism: Battery powered electronic sensor complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Consumption: 1.28 gal. (4.8 L) per flush, 1.6 gal. (6 L) per flush.

 Minimum Inlet: NPS 1 (DN 25).

 Minimum Outlet: NPS 1-1/2 (DN 40).

**SECTION 224213.13 - COMMERCIAL URINALS**

**WALL HUNG URINALS**

A. Urinal <**Insert drawing designation**>: Wall hung, Back outlet, top spud, washdown.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SU1009-STG** Vitreous China Washdown Urinal with SloanTec hydrophobic Glaze.

 Product: SU1009-STG [(Specification)](https://www.sloan.com/spec-sheet/1171009)

 Standard: ASME A112.19.2/CSA B45.0

 Material: Vitreous China

Type: Washdown

Strainer or Trapway: [Manufacturer's standard strainer] <insert strainer> with integral Trap.

Water Consumption: 0.125 – 1.0 gpf (0.5 – 3.8 Lpf)

Spud Size and Location: NPS 3/4 inch (DN 20) [Top]

Waste Fitting: NPS 2 inch (DN 50) [Back]

Color: White

 Flushometer Valve: <Insert urinal flushometer-valve designation from "Urinal Flushometer Valves" Article>.

 Support: [Type I Urinal Carrier] with fixture support plates and coupling with seal and fixture bolts and hardware matching fixture. [ Include rectangular, steel uprights.] <Insert carrier>.

 Urinal Mounting Height: [Standard] [Child] [Handicapped/elderly according to ICC A117.1].

B. Urinal <**Insert drawing designation**>: Wall hung, Back outlet, top spud, washdown.

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SU7409-STG** Designer Washdown Urinal with SloanTec hydrophobic Glaze.

 Product: SU7409-STG [(Specification)](https://www.sloan.com/spec-sheet/1177409)

 Standard: ASME A112.19.2/CSA B45.1

 Material: Vitreous China

Type: Washdown

Strainer or Trapway: [Manufacturer's standard strainer] <insert strainer> with integral Trap.

Water Consumption: 0.125 – 1.0 gpf (0.5 – 3.8 Lpf)

Spud Size and Location: NPS 3/4 inch (DN 20) [Top]

Waste Fitting: NPS 2 inch (DN 50) [Back]

Color: White

 Flushometer Valve: <Insert urinal flushometer-valve designation from "Urinal Flushometer Valves" Article>.

 Support: [Type I Urinal Carrier] with fixture support plates and coupling with seal and fixture bolts and hardware matching fixture. [ Include rectangular, steel uprights.] <Insert carrier>.

 Urinal Mounting Height: [Standard] [Child] [Handicapped/elderly according to ICC A117.1].

C. Urinal <**Insert drawing designation**>: Wall hung, Back outlet, top spud, washdown.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SU7009-STG** Washdown Urinal with SloanTec hydrophobic Glaze.

 Products: SU7009-STG [(Specification)](https://www.sloan.com/spec-sheet/1177009)

 Standard: ASME A112.19.2/CSA B45.1

 Material: Vitreous China

Type: Washdown

Strainer or Trapway: [Manufacturer's standard strainer] <insert strainer> with integral Trap.

Water Consumption: 0.125 – 1.0 gpf (0.5 – 3.8 Lpf)

Spud Size and Location: NPS 3/4 inch (DN 20) [Top]

Waste Fitting: NPS 2 inch (DN 50) [Back]

Color: White

 Flushometer Valve: <Insert urinal flushometer-valve designation from "Urinal Flushometer Valves" Article>.

 Support: [Type I Urinal Carrier] with fixture support plates and coupling with seal and fixture bolts and hardware matching fixture. [ Include rectangular, steel uprights.] <Insert carrier>.

 Urinal Mounting Height: [Standard] [Child] [Handicapped/elderly according to ICC A117.1].

**URINAL FLUSHOMETER VALVES**

A. Lever-Handle, Diaphragm Flushometer Valves <**Insert designation**>:

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Royal 186** Urinal Flushometer. Rubber components must be chloramine resistant PERMEX® rubber with dual filter diaphragm assembly. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Free spinning vandal resistant stop cap with back check control stop. Valve shall be Made in the USA.

Product: Royal 186 [(Specification)](https://www.sloan.com/general-spec/816)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: ADA complaint, non-hold open handle, Chloramine resistant PERMEX® rubber components.

 Material: Semi-Red brass body with corrosion resistant components

 Exposed Flushometer – Valve Finish: Polished Chrome, PVD Brushed Nickel, PVD Brushed Stainless, PVD Graphite, PVD Polished Brass

 Style: Exposed Flushometer

 Consumption: 0.125 gpf (0.5 L), .25 gpf (0.9 L), .5 gpf (1.9 L), 1.0 gpf (3.8 L), 1.5 gpf (5.7 L)

 Minimum Inlet: 3/4" (DN 20)

 Minimum Outlet: 3/4" (DN 20)

B. Lever-Handle, Diaphragm Flushometer Valves <**Insert designation**>: Sloan 186

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Sloan 186** manually operated flushometer. Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red and include High Chloramine Resistant PERMEX® Synthetic Rubber DFB Linear Bypass Diaphragm. Valve shall be Made in the USA.

 Product: Sloan 186 [(Specification)](https://www.sloan.com/general-spec/1421)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: ADA complaint, non-hold open handle

 Material: Semi-red brass body with corrosion resistant components

 Exposed Flushometer – Valve Finish: Chrome plated.

 Style: Exposed Flushometer

 Consumption: 0.125 gpf (0.5 L), .25 gpf (0.9 L), .5 gpf (1.9 L), 1.0 gpf (3.8 L), 1.5 gpf (5.7 L)

 Minimum Inlet: 3/4" (DN 20)

 Minimum Outlet: 3/4" (DN 20)

C. Lever-Handle, Diaphragm Flushometer Valves <**Insert designation**>:

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Regal 186 XL.** Fixed Bypass Diaphragm Orifice. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass and with back check control stop. Valve shall be Made in the USA.

 Product: Regal 186 XL [(Specification)](https://www.sloan.com/general-spec/1316)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: ADA complaint, non-hold open handle

 Material: Semi-red brass body with corrosion resistant components

 Exposed Flushometer – Valve Finish: Chrome plated.

 Style: Exposed Flushometer

 Consumption: 0.125 gpf (0.5 L), .25 gpf (0.9 L), .5 gpf (1.9 L), 1.0 gpf (3.8 L), 1.5 gpf (5.7 L)

 Minimum Inlet: 3/4" (DN 20)

 Minimum Outlet: 3/4" (DN 20)

D. Lever-Handle, Piston Flushometer Valves **<Insert designation>**: Crown 186

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Crown 186** piston operated flushometer. Fixed Volume Piston with Filtered O-ring Bypass. Non-Hold-Open Handle and No External Volume Adjustment to Ensure Water Conservation. Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi- Red Brass. Valve shall be Made in the USA.

 Product: Crown 186 [(Specification)](https://www.sloan.com/general-spec/3011)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: ADA complaint, non-hold open handle

 Material: Semi-Red brass body with corrosion resistant components

 Exposed Flushometer – Valve Finish: Chrome plated

 Style: Exposed Flushometer

 Consumption: 0.125 gpf (0.5 L), .25 gpf (0.9 L), .5 gpf (1.9 L), 1.0 gpf (3.8 L) per flush

 Minimum Inlet: 3/4" (DN 20)

 Minimum Outlet: 3/4" (DN 20)

E. Battery-Powered, Solenoid-Actuator, Diaphragm Flushometer Valves **<Insert designation>**:

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company**: G2 8186** sensor activated flushometer with low battery indicator, PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass, Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection and Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi- Red Brass. Valve shall be Made in the USA.

 Product: G2 8186 [(Specification)](https://www.sloan.com/general-spec/2156)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: Dual filtered Diaphragm, Chloramine resistant rubber components

 Material: Semi-Red brass body with corrosion resistant components

 Exposed Flushometer – Valve Finish: Polished Chrome, PVD Brushed Nickel, PVD Brushed Stainless, PVD Graphite, PVD Polished Brass

 Style: Exposed Flushometer

Actuator: 6 VDC actuator complying with UL and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application

Operation: Operates using battery power up to 6 years with low battery indicator light

Trip Mechanism: Battery powered electronic sensor complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Consumption: 0.125 gpf (0.5 L), .25 gpf (0.9 L), .5 gpf (1.9 L), 1.0 gpf (3.8 L), 1.5 gpf (5.7 L)

 Minimum Inlet: 3/4" (DN 20)

 Minimum Outlet: 3/4" (DN 20)

F. Battery-Powered, Solenoid-Actuator, Diaphragm Flushometer Valves **<Insert designation>**:

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Sloan 8186** Sensor operated flushometer. Rubber components must be chloramine resistant PERMEX® rubber with linear filter diaphragm assembly. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Free spinning vandal resistant stop cap with back check control stop. Valve shall be Made in the USA.

 Product: Sloan 8186  [(Specification)](https://www.sloan.com/general-spec/911)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: Dual Bypass Diaphragm, Chloramine resistant rubber components

 Material: Semi-Red brass body with corrosion resistant components

 Exposed Flushometer – Valve Finish: Polished Chrome, PVD Brushed Nickel, PVD Brushed Stainless, PVD Graphite, PVD Polished Brass

 Style: Exposed Flushometer

Actuator: 6 VDC actuator complying with UL and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application

Operation: Operates using battery power up to 6 years with low battery indicator light

Trip Mechanism: Battery powered electronic sensor complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Consumption: 0.125 gpf (0.5 L), .25 gpf (0.9 L), .5 gpf (1.9 L), 1.0 gpf (3.8 L), 1.5 gpf (5.7 L)

 Minimum Inlet: 3/4" (DN 20)

 Minimum Outlet: 3/4" (DN 20)

G. Battery-Powered, Solenoid-Actuator, Diaphragm Flushometer Valves **<Insert designation>**:

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Royal 186 SFSM**. Rubber components must be chloramine resistant PERMEX® rubber with dual filter diaphragm assembly. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Free spinning vandal resistant stop cap with back check control stop. Valve shall be Made in the USA.

 Product: Royal 186 SFSM [(Specification)](https://www.sloan.com/general-spec/2786)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

Features: Dual Filter Bypass Diaphragm along with Stop Seat and Vacuum Breaker molded from

 PERMEX® rubber compound for Chloramine resistance.

 Material: Semi-Red brass body with corrosion resistant components

 Exposed Flushometer – Valve Finish: Polished Chrome

 Style: Exposed Flushometer

Actuator: 6 VDC actuator complying with UL and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application

Operation: Operates using battery power up to 3 years with low battery indicator light

Trip Mechanism: Battery powered electronic sensor complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Consumption: 0.125 gpf (0.5 L), .25 gpf (0.9 L), .5 gpf (1.9 L), 1.0 gpf (3.8 L), 1.5 gpf (5.7 L)

 Minimum Inlet: 3/4" (DN 20)

 Minimum Outlet: 3/4" (DN 20)

H. Hardwired, Solenoid-Actuator, Diaphragm Flushometer Valves <**Insert designation**>:

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Royal 186 ESS TMO** hardwired, sensor activated Flushometer with true mechanical override. PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass, Non-Hold-Open True Mechanical Override. No External Volume Adjustment to Ensure Water Conservation. Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi- Red Brass. Valve shall be Made in the USA.

 Product: Royal 186 ESS TMO [(Specification)](https://www.sloan.com/general-spec/3036)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: True mechanical override if loss of power occurs, non-hold open feature

 Material: Semi-Red Brass Body, PERMEX® rubber components

 Exposed Flushometer – Valve Finish: Chrome plated, Polished Brass, PVD Brushed Nickel, PVD Brushed Stainless, PVD Graphite

 Style: Exposed Flushometer

 Actuator: 24VAC Solenoid complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Trip Mechanism: Hard-wired electronic sensor complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Consumption: 0.125 gpf (0.5 L), .25 gpf (0.9 L), .5 gpf (1.9 L), 1.0 gpf (3.8 L), 1.5 gpf (5.7 L)

 Minimum Inlet: 3/4" (DN 20)

 Minimum Outlet: 3/4" (DN 20)

I. Hardwired, Solenoid-Actuator, Diaphragm Flushometer Valves <**Insert designation**>:

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Sloan 186 ESS TMO** hardwired flushometer with true mechanical override. Rubber components must be chloramine resistant PERMEX® rubber with linear filter diaphragm assembly. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Free spinning vandal resistant stop cap with back check control stop. Valve shall be Made in the USA.

 Product: Sloan 186 ESS TMO [(Specification)](https://www.sloan.com/general-spec/2186)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: True mechanical override if loss of power occurs, non-hold open feature

 Material: Semi-Red Brass Body, PERMEX® rubber components

 Exposed Flushometer – Valve Finish: Chrome plated.

 Style: Exposed Flushometer

 Actuator: 24 VAC Solenoid complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Trip Mechanism: Hard-wired electronic sensor complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Consumption: 0.125 gpf (0.5 L), .25 gpf (0.9 L), .5 gpf (1.9 L), 1.0 gpf (3.8 L), 1.5 gpf (5.7 L)

 Minimum Inlet: 3/4" (DN 20)

 Minimum Outlet: 3/4" (DN 20)

J. Hardwired, Solenoid-Actuator, Diaphragm Flushometer Valves <**Insert designation**>:

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Regal 186 XL ESS** sensor operated hardwired flushometer. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be Made in the USA.

 Product: Regal 186 XL ESS [(Specification)](https://www.sloan.com/general-spec/1771)

 Standard: ASSE 1037

 Minimum Pressure Rating: 15 PSI (103 kPa)

 Features: ADA compliant, hardwired

 Material: Semi-Red Brass Body, PERMEX® rubber components

 Exposed Flushometer – Valve Finish: Chrome plated.

 Style: Exposed Flushometer

 Actuator: 24 VAC Solenoid complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Trip Mechanism: Hard-wired electronic sensor complying with UL 1951, and listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Consumption: 0.125 gpf (0.5 L), .5 gpf (1.9 L), 1.0 gpf (3.8 L), 1.5 gpf (5.7 L)

 Minimum Inlet: 3/4" (DN 20)

 Minimum Outlet: 3/4" (DN 20)

**SECTION 224216.13 - COMMERCIAL LAVATORIES**

**VITREOUS CHINA, WALL MOUNTED LAVATORIES**

A. Lavatory **<Insert Drawing Designation>**: Vitreous china, wall mounted with back.

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SS3003** wall mounted lavatory with backsplash and SloanTec hydrophobic glaze.

 Product: SS3003 [(Specification)](https://www.sloan.com/spec-sheet/3873073)

 Standard: ASME A112.19.2/CSA B45.1

 Type of Basin: Vitreous China Wall Mounted Lavatory with backsplash

 Nominal Size: Rectangle, [18 ¼" × 20 ¾" × 12 ¼" (464 × 527 × 311mm)]

 Faucet Hole Punching: 4 inch (102 mm) centers

 Faucet Hole Location: Top

 Faucet: <Insert sink faucet designation from “Automatically operated sink faucets” Article>.

 Color: White

 Mounting Hardware: included.

 Supply Fittings: Comply with requirements in “Supply Fittings Article.”

 Waste Fittings: Comply with requirements in “Waste Fittings Article.”

B. Lavatory **<Insert Drawing Designation>** Vitreous china, wall mounted with ledgeback.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SS3006** wall mounted ledgeback lavatory with SloanTec hydrophobic glaze

 Product: SS3006 [(Specification)](https://www.sloan.com/spec-sheet/3873076)

 Standard: ASME A112.19.2/CSA B45.1

 Type of Basin: Vitreous China Wall Mounted Ledge Back Lavatory

 Nominal Size: Rectangle, Rectangle, [20 x 18 1/4 inches (508 x 463 mm)]

 Faucet Hole Punching: 4 inch (102 mm) centers

 Faucet Hole Location: Top

 Faucet: <Insert sink faucet designation from “Automatically operated sink faucets” Article>.

 Color: White

 Mounting Hardware: included.

 Supply Fittings: Comply with requirements in “Supply Fittings Article.”

 Waste Fittings: Comply with requirements in “Waste Fittings Article.”

C. Lavatory **<Insert Drawing Designation>** Vitreous china, wall mounted with ledgeback.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SS3106** wall mounted ledgeback lavatory with SloanTec hydrophobic glaze.

 Product: SS3106 [(Specification)](https://www.sloan.com/spec-sheet/3873176)

 Standard: ASME A112.19.2/CSA B45.2

 Type of Basin: Vitreous China Wall Mounted Ledge Back Lavatory

 Nominal Size: Rectangle, [20 x 18 1/4 inches (508 x 463 mm)]

 Faucet Hole Punching: Single hole

 Faucet Hole Location: Top

 Faucet: <Insert sink faucet designation from “Automatically operated sink faucets” Article>.

 Color: White

 Mounting Hardware: included.

 Supply Fittings: Comply with requirements in “Supply Fittings Article.”

 Waste Fittings: Comply with requirements in “Waste Fittings Article.”

D. Lavatory **<Insert Drawing Designation>** Vitreous china, wall mounted with ledgeback.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SS3165** wall mounted ledgeback lavatory with SloanTec hydrophobic glaze.

 Product: SS3165 [(Specification)](https://www.sloan.com/spec-sheet/3873175)

 Standard: ASME A112.19.2/CSA B45.4

 Type of Basin: Vitreous China Wall Mounted Ledge Back Lavatory

 Nominal Size: Rectangle, [ 20" × 21 ½" × 5 ¾" (508 × 546 × 146mm)]

 Faucet Hole Punching: Single hole

 Faucet Hole Location: Top

 Faucet: <Insert sink faucet designation from “Automatically operated sink faucets” Article>.

 Color: White

 Mounting Hardware: included.

 Supply Fittings: Comply with requirements in “Supply Fittings Article.”

 Waste Fittings: Comply with requirements in “Waste Fittings Article.”

**SOLID SURFACE LAVATORY SYSTEMS**

A. Lavatory system **<Insert Drawing Designation>**: Solid surface side by side hand wash stations.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: SloanStone Series Sink model no. **ELGR 8X000** Gradient Style Sink. Product to be molded using SloanStone solid surface. Sloan automated sensor faucet. Sloan sensor operated foam soap dispenser. Sink design to be ADA compliant and IAPMO certified. Supplied with either angle brackets or enclosure.

Product: ELGR 8X000 [(Specification)](https://www.sloan.com/commercial-bathroom-products/sinks/sloanstone#!gradient)

Standard: Meets or exceeds ASME A112.18.1/CSA B125.1, ANSI A117.1, IGC156, CSA B45.5/IAPMO Z124, NSF 371, UL499

Electrical Components: Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Bowl & Counter:

 Standard: cUPC, IAPMO IGC 156

Height to Rim: [**34 inches (864 mm)**] <**Insert dimension**> above floor. Standard [34" 864 mm] ADA [ 33", 838 mm ] Child [29-7/8", 759 mm ] [according to ICC.A117.1]

 Color or Finish: **<Insert Color Option>**

 Sloanstone: <https://www.sloan.com/spec-sheet/1521538>

 Material: SloanStone Solid Surface

Overall Dimensions: 1 station [30” by 22” by 5” inches], 2 station [60” by 22” by 5” inches], 3 station [90” by 22” by 5” inches], 4 station [120” by 22” by 5” inches], **<Insert Custom dimensions>.**

 Access Panel: Angle brackets or enclosure available with access panel

Mounting: Wall hung. Carrier not required when using mounting brackets or mounting frame.

 Number of Stations: [**One**] [**Two**] [**Three**] [**Four**].

 Drain: Grid with NPS 1-1/2 (DN 40) tailpiece, each bowl.

Drain Finishes: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

Faucet: <**Insert lavatory-faucet designation> from "Sensor Activated, Automatically Operated Lavatory Faucets"**

B. Lavatory system **<Insert Drawing Designation>**: Solid surface side by side hand wash stations.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: SloanStone Series Sink model no. **ELRF 8X000** Gradient Style Sink. Product to be molded using SloanStone solid surface. Supplied with either angle brackets or enclosure. Includes choice of Sloan sensor activated faucet(s). Sloan sensor activated foam soap dispenser(s). Sink design to be ADA compliant and IAPMO certified. Supplied with angle brackets or enclosure.

Product: ELRF 8X000 ([Specification)](https://www.sloan.com/commercial-bathroom-products/sinks/sloanstone#!round-front)

Standard: Meets or exceeds ASME A112.18.1/CSA B125.1, ANSI A117.1, IGC156, CSA B45.5/IAPMO Z124, NSF 371, UL499

Electrical Components: Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Bowl & Counter:

 Standard: cUPC,

Height to Rim: [**34 inches (864 mm)**] <**Insert dimension**> above floor. Standard [34" 864 mm] ADA [ 33", 838 mm ] Child [29-7/8", 759 mm ] [according to ICC.A117.1]

 Color or Finish: **<Insert Color Option>**

 Sloanstone: <https://www.sloan.com/spec-sheet/1521538>

 Material: Sloan Stone Solid Surface

Overall Dimensions: 1 station [30” by 24” by 5” inches], 2 station [60” by 24” by 5” inches], 3 station [90” by 24” by 5” inches], 4 station [120” by 22” by 5” inches], **<Insert Custom dimensions>.**

 Access Panel: Angle brackets or enclosure available with access panel

Mounting: Wall hung. Carrier not required when using mounting brackets or mounting frame.

 Number of Stations: [**One**] [**Two**] [**Three**] [**Four**].

 Drain: Grid with NPS 1-1/2 (DN 40) tailpiece, each bowl.

Drain Finishes: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

Faucet: <**Insert lavatory-faucet designation> from "Sensor Activated, Automatically Operated Lavatory Faucets"**

C. Lavatory system **<Insert Drawing Designation>**: Solid surface side by side hand wash stations.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: SloanStone Series Sink model no. **ELA 8X000** Gradient Style Sink. Product to be molded using SloanStone solid surface. Includes choice of Sloan sensor activated faucet(s). Sloan sensor activated foam soap dispenser(s). Sink design to be ADA compliant and IAPMO certified. Supplied with angle brackets or enclosure.

Product: ELA 8X000 [(Specification)](https://www.sloan.com/commercial-bathroom-products/sinks/sloanstone#!arrowhead)

Standard: Meets or exceeds ASME A112.18.1/CSA B125.1, ANSI A117.1, IGC156, CSA B45.5/IAPMO Z124, NSF 371, UL499

Electrical Components: Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Bowl & Counter:

 Standard: cUPC, IAPMO IGC 156

Height to Rim: [**34 inches (864 mm)**] <**Insert dimension**> above floor. Standard [34" 864 mm] ADA [ 33", 838 mm ] Child [29-7/8", 759 mm ] [according to ICC.A117.1]

 Color or Finish: **<Insert Color Option>**

 Sloanstone: <https://www.sloan.com/spec-sheet/1521538>

 Material: Sloan Stone Solid Surface

Overall Dimensions: 1 station [30” by 22” by 5” inches], 2 station [60” by 22” by 5” inches], 3 station [90” by 22” by 5” inches], 4 station [120” by 22” by 5” inches], **<Insert Custom dimensions>.**

 Access Panel: Angle brackets or enclosure available with access panel

Mounting: Wall hung. Carrier not required when using mounting brackets or mounting frame.

 Number of Stations: [**One**] [**Two**] [**Three**] [**Four**].

 Drain: Grid with NPS 1-1/2 (DN 40) tailpiece, each bowl.

Drain Finishes: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

Faucet: <**Insert lavatory-faucet designation> from "Sensor Activated, Automatically Operated Lavatory Faucets"**

D. Lavatory system **<Insert Drawing Designation>**: Solid surface side by side hand wash stations.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: SloanStone Series Sink model no**. ELWF 8X000** Gradient Style Sink. Product to be molded using SloanStone solid surface. Sloan automated sensor faucet. Sloan sensor operated foam soap dispenser. Sink design to be ADA and TAS compliant and IAPMO certified. Supplied with angle brackets.

Product: ELWF [(Specification)](https://www.sloan.com/commercial-bathroom-products/sinks/sloanstone#!waterfall)

Standard: Meets or exceeds ASME A112.18.1/CSA B125.1, ANSI A117.1, IGC156, CSA B45.5/IAPMO Z124, NSF 371, UL499

Electrical Components: Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Bowl & Counter:

 Standard: cUPC, IAPMO IGC 156

Height to Rim: [**34 inches (864 mm)**] <**Insert dimension**> above floor. Standard [34" 864 mm] ADA [ 33", 838 mm ] Child [29-7/8", 759 mm ] [according to ICC.A117.1]

 Color or Finish: **<Insert Color Option>**

 Sloanstone: <https://www.sloan.com/spec-sheet/1521538>

 Material: Sloan Stone Solid Surface

Overall Dimensions: 1 station [30” by 22” by 5” inches], 2 station [60” by 22” by 5” inches], 3 station [90” by 22” by 5” inches], 4 station [120” by 22” by 5” inches], **<Insert Custom dimensions>.**

 Access Panel: Not Applicable.

Mounting: Wall hung. Carrier not required when using mounting brackets or mounting frame.

 Number of Stations: [**One**] [**Two**] [**Three**] [**Four**].

 Drain: Grid with NPS 1-1/2 (DN 40) tailpiece, each bowl.

Drain Finishes: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

Faucet: <Insert lavatory-faucet designation> from "Sensor Activated, Automatically Operated Lavatory Faucets"

E. Lavatory system **<Insert Drawing Designation>**: Solid surface side by side hand wash stations.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: SloanStone Series Sink model no**. EW 4X000** Wash station Style Sink. Product to be molded using SloanStone solid surface. Sloan integrated automated sensor faucets. Sink design to be ADA compliant and IAPMO certified. Supplied with enclosure.

Product: EW 4X000 [(Specification)](https://www.sloan.com/commercial-bathroom-products/sinks/sloanstone#!washstation)

Standard: Meets or exceeds ASME A112.18.1/CSA B125.1, ANSI A117.1, IGC156, CSA B45.5/IAPMO Z124, NSF 371, UL499

Electrical Components: Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Bowl & Counter:

 Standard: cUPC, IAPMO IGC 156

Height to Rim: [**34 inches (864 mm)**] <**Insert dimension**> above floor. Standard [34" 864 mm] ADA [ 33", 838 mm ] Child [29-7/8", 759 mm ] [according to ICC.A117.1]

 Color or Finish: **<Insert Color Option>**

 Sloanstone: <https://www.sloan.com/spec-sheet/16012602>

 Material: Sloan Stone Solid Surface

Overall Dimensions: Two Station (54 3/4"x21"x21 1/4"), Three Station (85 5/8" x 21" x 21 1/4")

 Access Panel: 16-1/8 inch (410 mm) access panel.

Mounting: Wall hung with frame. Carrier not required when using mounting frame.

 Number of Stations: [**Two**], [**Four**].

 Drain: Grid with NPS 1-1/2 (DN 40) tailpiece, each bowl.

Faucet: Integrated into sink system with above deck access

F. Lavatory system **<Insert Drawing Designation>**: Solid surface side by side hand wash stations.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: SloanStone Series Sink model no. **EW 6X000** Wash station Style Sink. Product to be molded using SloanStone solid surface with all electronics housed in the head of the sink. Sloan integrated automated sensor faucets. Sink design to be ADA compliant and IAPMO certified. Supplied with plastic enclosure.

Product: EW 6X000 [(Specification)](https://www.sloan.com/commercial-bathroom-products/sinks/sloanstone#!washstation)

Standard: Meets or exceeds ASME A112.18.1/CSA B125.1, ANSI A117.1, IGC156, CSA B45.5/IAPMO Z124, NSF 371, UL499

Electrical Components: Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Bowl & Counter:

 Standard: cUPC, IAPMO IGC 156

Height to Rim: [**34 inches (864 mm)**] <**Insert dimension**> above floor. Standard [34" 864 mm] ADA [ 33", 838 mm ] Child [29-7/8", 759 mm ] [according to ICC.A117.1]

 Color or Finish: **<Insert Color Option>**

 Sloanstone: <https://www.sloan.com/spec-sheet/16010481>

 Material: Sloan Stone Solid Surface

Overall Dimensions: Two Station (50" x 21" 24 7/8" , Three Station ( 85 5/8"x21""x24 7/8")

Access Panel: 16-1/8-inch (410 mm) access panel.

Mounting: Wall hung with frame. Carrier not required when using mounting frame.

 Number of Stations: [**Two**], [**Three**].

 Drain: Grid with NPS 1-1/2 (DN 40) tailpiece, each bowl.

Faucet: Integrated into sink system with above deck access

G. Lavatory system **<Insert Drawing Designation>**: Solid surface side by side hand wash stations.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: SloanStone Series Sink model no. **EW 70000 series** Wash station Style Sink. Product to be molded using SloanStone solid surface. Sloan integrated automated sensor faucets. Sink design to be ADA compliant and IAPMO certified. Supplied with enclosure.

Product: EW 70000 [(Specification)](https://www.sloan.com/commercial-bathroom-products/sinks/sloanstone#!washstation)

Standard: Meets or exceeds ASME A112.18.1/CSA B125.1, ANSI A117.1, IGC156, CSA B45.5/IAPMO Z124, NSF 371, UL499

Electrical Components: Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

 Bowl & Counter:

 Standard: cUPC, IAPMO IGC 156

Height to Rim: [**34 inches (864 mm)**] <**Insert dimension**> above floor. Standard [34" 864 mm] ADA [ 33", 838 mm ] Child [29-7/8", 759 mm ] [according to ICC.A117.1]

 Color or Finish: **<Insert Color Option>**

 Sloanstone: <https://www.sloan.com/spec-sheet/16012603>

 Material: Sloan Stone Solid Surface

Overall Dimensions: Two Station (50" x 21" 25 5/16" , Three Station (76" x 21" x25 5/16")

Access Panel: 16-1/8-inch (410 mm) access panel.

Mounting: Wall hung with frame. Carrier not required when using mounting frame.

 Number of Stations: [**Two**], [**Three**].

 Drain: Grid with NPS 1-1/2 (DN 40) tailpiece, each bowl.

Faucet: Integrated into sink system with above deck access

**AUTOMATICALLY OPERATED SINK FAUCETS**

**BATTERY POWERED LOW HEIGHT SINK FAUCETS**

A. Sink faucet <Insert Designation> Automatic type, sensor activated, battery powered. low height

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 615** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 615 [(Specification)](https://www.sloan.com/general-spec/496)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole) or can be used with 4” or 8” trim plate.

 Body Material: [Commercial], [General Duty], [Cast Brass constructed metal]

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet <Insert Designation> Automatic type, sensor activated, battery powered. low height

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 650** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 650 [(Specification)](https://www.sloan.com/general-spec/516)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4" Center set]

 Body Material: [Commercial], [General Duty], [Cast Brass constructed metal]

Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet <Insert Designation> Automatic type, sensor activated, battery powered. low height

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-350** deck mounted, battery powered Infrared Sensor Activated Electronic Faucet Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 350 [(Specification)](https://www.sloan.com/general-spec/536)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single]

 Body Material: [Commercial], [General Duty], [Die cast constructed metal]

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

D. Sink faucet <Insert Designation> Automatic type, sensor activated, battery powered. low height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SF 2150** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2150 [(Specification)](https://www.sloan.com/general-spec/436)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

**HARDWIRED LOW HEIGHT SINK FAUCETS**

A. Sink faucet <Insert Designation> Automatic type, sensor activated, hardwired. low height.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 600** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 600 ([Specification)](https://www.sloan.com/general-spec/531)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet <Insert Designation> Automatic type, sensor activated, hardwired. low height.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 610** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 610 [(Specification)](https://www.sloan.com/general-spec/451)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type**

C. Sink faucet <Insert Designation> Automatic type, sensor activated, hardwired. low height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SF 2100** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2100 [(Specification)](https://www.sloan.com/general-spec/576)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

**BATTERY POWERED MID HEIGHT SINK FAUCETS**

A. Sink faucet <Insert Designation> Automatic type, sensor activated, battery powered. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-250** deck mounted, battery powered Infrared Sensor Activated Electronic Faucet. Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 250 [(Specification)](https://www.sloan.com/general-spec/561)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet <Insert Designation> Automatic type, sensor activated, battery powered. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 250** with all electronics built within the spout and 24-hour sentinel flush. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 250 [(Specification)](https://www.sloan.com/general-spec/571)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.0 gpm, 3.8 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet <Insert Designation> Automatic type, sensor activated, battery powered. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 150** with all electronics built within the spout and 24-hour sentinel flush. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 150 [(Specification)](https://www.sloan.com/general-spec/566)

 Standard: ASME A112.18.1, ASSE 1070

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast Nickel constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], 1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

D. Sink faucet <Insert Designation> Automatic type, sensor activated, battery powered. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SF 2350** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2350 [(Specification)](https://www.sloan.com/general-spec/426)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4" Center Set] with integrated base

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

E. Sink faucet <Insert Designation> Automatic type, sensor activated, battery powered. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SF 2450** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2450 [(Specification)](https://www.sloan.com/general-spec/441)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

F. Sink faucet <Insert Designation> Automatic type, sensor activated, battery powered. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 350** with all electronics built within the spout and Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 350 [(Specification)](https://www.sloan.com/general-spec/381)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast Nickel constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], 1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

**HARDWIRED MID HEIGHT SINK FAUCETS**

A. Sink faucet <Insert Designation> Automatic type, sensor activated, hardwired. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 200** Sensor activated, hardwired faucet. Electronics above deck with optional side mixing valve. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 200 [(Specification)](https://www.sloan.com/general-spec/581)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], 1.0 gpm, 3.8 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet <Insert Designation> Automatic type, sensor activated, hardwired. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-200** deck mounted, hardwired, Infrared Sensor Activated Electronic Faucet. Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 200 [(Specification)](https://www.sloan.com/general-spec/551)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet <Insert Designation> Automatic type, sensor activated, hardwired. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 100** Sensor activated, hardwired faucet. Electronics above deck with optional side mixing valve. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 100 [(Specification)](https://www.sloan.com/general-spec/321)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast Nickel constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

D. Sink faucet <Insert Designation> Automatic type, sensor activated, hardwired. mid height.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company**: EAF 300** Sensor activated, hardwired faucet. Electronics above deck with optional side mixing valve. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 300 [(Specification)](https://www.sloan.com/general-spec/12581)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast Nickel constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], 1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

**SECTION 102800 - TOILET BATH AND LAUNDRY ACCESSORIES**

**PUBLIC-USE WASHROOM ACCESSORIES – SOAP DISPENSERS**

A. Automatic Foam Soap Dispenser **<Insert Drawing Designation>**

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ESD 400** deck mounted hardwired foam soap dispenser. Modular One-piece construction, Low Soap Level Indicator, All electronics sealed and one tool service.

Product: ESD 400 [(specification)](https://www.sloan.com/commercial-bathroom-products/soap-dispensers/sloan/esd-400)

Description: Zinc Die Cast spout, automatic dispenser with infrared sensor to detect presence of hands: designed for dispensing antibacterial foam soap form.

 Mounting: Deck mounted

 Capacity: 1,000 ML (1 bottle)

Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Refill Indicator: Yes

 Low Battery Indicator: N/A

B. Automatic Foam Soap Dispenser **<Insert Drawing Designation>**

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ESD-2000** Battery Powered Deck Mount Sensor Activated Foam Soap Dispenser. Includes sealed above deck electronics with modular one-piece construction.

Product: ESD 2000 [(specification)](https://www.sloan.com/commercial-bathroom-products/soap-dispensers/sloan/esd-2000)

Description: Zinc Die Cast spout, automatic dispenser with infrared sensor to detect presence of hands, battery powered with optional plug-in adapter (ESD 324). Fully sealed electronics with clog free soap activation.

 Mounting: Deck mounted

 Capacity: 1,500 ML (Comes with 2 - 1,500 ML bottles)

Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Refill Indicator: No

Low battery indicator: No

C. Automatic Foam Soap Dispenser **<Insert Drawing Designation>**

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ESD-500** Battery Powered Deck Mount Sensor Activated Foam Soap Dispenser. Includes sealed above deck electronics with modular one-piece construction.

Product: ESD 500 [(specification)](https://www.sloan.com/commercial-bathroom-products/soap-dispensers/sloan/esd-500)

Description: Zinc Die Cast spout, automatic dispenser with infrared sensor to detect presence of hands, battery powered with optional plug-in adapter (ESD 324). Fully sealed electronics with clog free soap activation.

 Mounting: Deck mounted

 Capacity: 1,500 ML (Comes with 2 - 1,500 ML bottles)

Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Refill Indicator: No

 Low battery indicator: No

 D. Automatic Foam Soap Dispenser <Insert Drawing Designation>

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ESD-1500** Battery Powered Deck Mount Foam Soap Dispenser. Includes sealed above deck electronics with modular one-piece construction.

Product: ESD 1500 [(specification)](https://www.sloan.com/spec-sheet/3346093)

Description: Zinc Die Cast spout, automatic dispenser with infrared sensor to detect presence of hands, battery powered with optional plug-in adapter (ESD 324). Fully sealed electronics with clog free soap activation.

 Mounting: Deck mounted

 Capacity: 1,500 ML (Comes with 2 - 1,500 ML bottles)

Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Refill Indicator: No

 Low battery indicator: No

E. Automatic Foam Soap Dispenser **<Insert Drawing Designation>**

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ESD-600** Battery Powered Deck Mount Foam Soap Dispenser. Includes sealed above deck electronics with modular one-piece construction.

Product: ESD 600 [(specification)](https://www.sloan.com/commercial-bathroom-products/soap-dispensers/sloan/esd-600)

Description: Zinc Die Cast spout, automatic dispenser with infrared sensor to detect presence of hands, Battery powered with optional plug-in adapter (ESD 324) designed for dispensing antibacterial foam soap in liquid form. Fully sealed electronics with clog free soap activation.

 Mounting: Deck mounted

 Capacity: 1,500 ML (Comes with 2 - 1,500 ML bottles)

Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Refill Indicator: No

 Low battery indicator: No

F. Automatic Foam Soap Dispenser **<Insert Drawing Designation>**

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ESD-2100** Battery Powered Deck Mount Foam Soap Dispenser. Includes sealed above deck electronics with modular one-piece construction.

Product: ESD 2100 [(specification)](https://www.sloan.com/spec-sheet/3346098)

Description: Zinc Die Cast spout, automatic dispenser with infrared sensor to detect presence of hands, Battery powered with optional plug-in adapter (ESD 324) designed for dispensing antibacterial foam soap in liquid form. Fully sealed electronics with clog free soap activation.

 Mounting: Deck mounted

 Capacity: 1,500 ML (Comes with 2 - 1,500 ML bottles)

Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Refill Indicator: No

 Low battery indicator: No

**PUBLIC-USE WASHROOM ACCESSORIES – WARM AIR DRYERS**

A. High Speed Warm Air Dryers **<Insert Drawing Designation>**

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EHD 501** Wall - Surface warm air dryer with 8 second dry time. Provides adjustable speed and heat with 35 second lock out time when hands are not removed.

Product: EHD 501 [(specification)](https://www.sloan.com/commercial-bathroom-products/hand-dryers/sloan-xlerator/ehd-501)

Description: High speed warm air, sensor activated hand dryer.

 Mounting: surface mounted

 Operation: Electronic sensor activated with timed power cut off switch.

 1. Dry time: 8 seconds

 Cover Material: Die cast metal.

Cover Finish: Polished white, Matte white, Chrome plated, Brushed nickel, Graphite < Insert finish designation >

 Electrical Requirements: [110/120 V, 11.3 – 12.2 A]

B. High Speed Warm Air Dryers **< Insert Drawing Designation >**

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EHD 701** ADA Wall Surface Warm air dryer with 14 second dry time. Provides adjustable speed and heat with 35 second lock out time when hands are not removed.

 Product: EHD 701 [(specification)](https://www.sloan.com/commercial-bathroom-products/hand-dryers/sloan-optima-air/ehd-701)

 Description: Warm Air Dryer including variable speed, sound and heat setting options.

 Mounting: surface mounted

Operation: Electronic sensor activated ADA Compliant with 35 second lockout safety feature.

 1. Dry time: 14 seconds

 Cover Material: Die cast metal.

Cover Finish: Polished white, Brushed nickel

 Electrical Requirements: [110/120 V 50/60 Hz 7.0 - 7.7 A]

**UNDERLAVATORY GAURDS**

A. Under lavatory Guard **< Insert drawing designation >**

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: Sloan **ETF 529** Lavatory Shield comprised of high impact, stain resistant, vinyl material with minimum of 69 Shore A durometer result.

 Product: ETF 529 [(specification)](https://www.sloan.com/spec-sheet/0365059)

Description: Insulating pipe covering for supply and drain piping assemblies that prevents direct contact with and burns from piping: allow service access without removing coverings.

Material: Antimicrobial, molded plastic

Color: White