**Market Vertical: Entertainment**

**Project / Product Inquiry: PH: 1.800.982.5839 –** [Customer.Service@Sloan.com](mailto:Customer.Service@Sloan.com)

**Products included in this Master Specification:**

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Description automatically generated

**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>.

**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>

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

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ST-2469-STG** with SloanTec hydrophobic Glaze and 1000g Map score. Buy American Act (BAA) Compliant.

Product: ST 2469-STG [(Specification)](https://www.sloan.com/spec-sheet/2172469)

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", rear 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: **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. Push button, Piston Flushometer Valves **<Insert designation>**:

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **CX 158** Manual in Wall Flushometer for Water Closet with access plate measuring smaller than 10" x 10" and shall have an integrated control stop. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be Made in the USA.

Product: CX 158 [(Specification)](https://www.sloan.com/general-spec/5376)

Standard: ASSE 1037

Minimum Pressure Rating: 15 PSI (103 kPa)

Features: Front access panel measuring 8 1/2" (W) x 9 1/4" (H) piston style flushometer

Material: Semi Red Brass Body with Corrosion Resistant Components

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

Style: Concealed Flushometer

Actuator: ADA Compliant Push button

Operation: Operates based on ADA Compliant Push Button actuation

Trip Mechanism: Push button

Consumption: 1.1 gal (4.2 L), 1.28 gal. (4.8 L), 1.6 gal. (6.0 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: **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).

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).

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

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **CX 8154** Sensor Activated in Wall Flushometer for Water Closet with access plate measuring smaller than 10" x 10" and shall have an integrated control stop. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be Made in the USA.

Product: CX 8154 [(Specification)](https://www.sloan.com/general-spec/5921)

Standard: ASSE 1037

Minimum Pressure Rating: 15 PSI (103 kPa)

Features: Front access panel measuring 8 1/2" (W) x 9 1/4" (H) piston style flushometer

Material: Semi Red Brass Body with Corrosion Resistant Components

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

Style: Concealed Flushometer

Actuator: 6 VDC Solenoid 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 5 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: 1.1 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).

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 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 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).

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

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Royal 152 ESS TMO SBX** sensor activated hardwired flushometer with true mechanical override. 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 and with back check control stop. Valve shall be Made in the USA.

Product: Royal 152 ESS TMO SBX [(Specification)](https://www.sloan.com/general-spec/6216)

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: Chrome plated. PVD Brushed Nickel, PVD Brushed Stainless, PVD Graphite, PVD Polished Brass

Style: Concealed 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

Operation: Operates using 24 VAC power

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).

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].

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

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SU1019-STG** Vitreous China Washdown Urinal with SloanTec hydrophobic Glaze.

Product: SU1019-STG [(Specification)](https://www.sloan.com/spec-sheet/1171019)

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) [Rear]

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].

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

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SU7419-STG** Designer Washdown Urinal with SloanTec hydrophobic Glaze.

Product: SU7419-STG [(Specification)](https://www.sloan.com/spec-sheet/1177419)

Standard: ASME A112.19.2/CSA B45.2

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) [Rear]

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].

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

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SU7019**-**STG** Washdown Urinal with SloanTec hydrophobic Glaze.

Product: SU7019-STG [(Specification)](https://www.sloan.com/spec-sheet/1177019)

Standard: ASME A112.19.2/CSA B45.2

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) [Rear]

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].

**WATERLESS URINALS**

A. Urinals <**Insert drawing designation**>: Wall mounted, back outlet, waterless, vitreous china, designed for liquid trap seal operation.

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **WES 1000-STG** with replaceable locking cartridge and SloanTec hydrophobic Glaze.

Product: WES 1000-STG [(Specification)](https://www.sloan.com/spec-sheet/1071000)

Standard: ASME A112.19.19 2016

Material: Vitreous China

Type: Waterfree

Strainer or Trapway: Trap-Sealing Liquid: Proprietary.

Water Consumption: 0.0 (waterless)

Spud Size and Location: Not applicable

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

Color: White

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. Urinals <**Insert drawing designation**>: Wall mounted, back outlet, waterless, vitreous china, designed for liquid trap seal operation.

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **WES 4000-STG** with replaceable locking cartridge and SloanTec hydrophobic Glaze.

Product: WES 4000-STG [(Specification)](https://www.sloan.com/spec-sheet/1074000)

Standard: ASME A112.19.19 2016

Material: Vitreous China

Type: Waterfree

Strainer or Trapway: Trap-Sealing Liquid: Proprietary.

Water Consumption: 0.0 (waterless)

Spud Size and Location: Not applicable

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

Color: White

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. Urinals <**Insert drawing designation**>: Wall hung, back outlet, Hybrid Urinal designed for liquid trap-seal operation. With Jet Rinse Technology.

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **HYB 4000-STG** with automatic drain line rinsing system, replaceable locking cartridge and SloanTec hydrophobic Glaze.

Product: HYB 4000-STG [(Specification)](https://www.sloan.com/spec-sheet/1004020)

Standard: ASME A112.19.19 2016

Material: Vitreous China

Type: Waterfree

Strainer or Trapway: Trap-Sealing Liquid: Proprietary.

Water Consumption: 0.0 (waterless)

Spud Size and Location: Not applicable

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

Color: White

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>.

D. Urinals <**Insert drawing designation**>: Wall hung, back outlet, Hybrid Urinal designed for liquid trap-seal operation. With Jet Rinse Technology.

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **HYB 1000-STG** with automatic drain line rinsing system, replaceable locking cartridge and SloanTec hydrophobic Glaze.

Product: HYB 1000-STG [(Specification)](https://www.sloan.com/spec-sheet/1001020)

Standard: ASME A112.19.19 2016

Material: Vitreous China

Type: Waterfree

Strainer or Trapway: Trap-Sealing Liquid: Proprietary.

Water Consumption: 0.0 (waterless)

Spud Size and Location: Not applicable

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

Color: White

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 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**>:

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)

C. 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)

D. 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)

E. 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)

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

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **CX 8198** Sensor Activated in Wall Flushometer for Water Urinal with access plate measuring 10" x 10" or smaller and shall have an integrated control stop. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be Made in the USA.

Product: CX 8198 [(Specification)](https://www.sloan.com/general-spec/5391)

Standard: ASSE 1037

Minimum Pressure Rating: 15 PSI (103 kPa)

Features: Front access panel measuring 8 1/2" (W) x 9 1/4" (H) piston style flushometer 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: Concealed Flushometer

Operation: Operates using battery power up to 5 years with low battery indicator light

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

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) per flush

Minimum Inlet: 3/4" (DN 20)

Minimum Outlet: 3/4" (DN 20)

G. 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)

H. 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)

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

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **Royal 195 ESS TMO** hardwired flushometer with true mechanical override. 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 and with back check control stop. Valve shall be Made in the USA.

Product: Royal 195 ESS TMO [(Specification)](https://www.sloan.com/general-spec/731)

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, true mechanical override.

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

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

Style: Concealed 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: 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. Push Button, Concealed, Diaphragm Flushometer Valves <**Insert designation**>:

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **CX 198** Manual In Wall Flushometer for Water Closet with access plate measuring 10" x 10" or smaller and shall have an integrated control stop. Valve body shall be in compliance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be Made in the USA.

Product: CX 198 ([Specification)](https://www.sloan.com/general-spec/5381)

Standard: ASSE 1037

Minimum Pressure Rating: 15 PSI (103 kPa)

Features: Front access panel measuring 8 1/2" (W) x 9 1/4" (H) piston style flushometer with Stop Seat and Vacuum Breaker molded from PERMEX® rubber compound for Chloramine resistance.

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

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

Style: Concealed Flushometer

Actuator: ADA Compliant Push button

Trip Mechanism: Push Button

Consumption: 0.125 gpf (0.5 L), .25 gpf (0.9 L), .5 gpf (1.9 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: **SS3065** wall mounted ledgeback lavatory with SloanTec hydrophobic glaze.

Product: SS3065 [(Specification)](https://www.sloan.com/spec-sheet/3873075)

Standard: ASME A112.19.2/CSA B45.3

Type of Basin: Vitreous China Wall Mounted Ledge Back Lavatory

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

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.”

**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: AER-DEC Integrated Sink System model no. **AD 8X000**. Product to be fabricated out of Corian or Quartz. Supplied with Sloan deck mounted hand dryer EHD-510, Sloan EFX Series sensor activated faucet and Sloan ESD-400 sensor activated foam soap dispenser or ESD-500. Sink designed with integrated air dam preventing overspray and wet floors. Sink design to be ADA compliant with hidden yet accessible drain. Supplied with enclosure.

**Product: AD 8X000** [(Specification)](https://www.sloan.com/resources/product-resources/sloan-sink-configurator)

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: ICPA SS-1 for solid-surface bowls.

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>**

Caesarstone: <https://www.caesarstoneus.com/>

Corian: <https://www.na.corian.com/>

Corian Quartz: <https://www.corianquartz.com/-colors-of-quartz->

Silestone & Quartz: <https://www.silestoneusa.com/colors/>

Material: Caesarstone, Corian Solid Surface, Corian Quartz, Silestone. For other Quartz brands please contact Sloan at 800.982.5839

Overall Dimensions: 1 station [30” by 23.5” by 22” inches], 2 station [60” by 23.5” by 22” inches], 3 station [90” by 23.5” by 22” inches], 4 station [120” by 23.5” by 22” inches], **<Insert Custom dimensions>.**

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

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

Number of Stations: [**One**] [**Two**] [**Three**] [**Four**]. For Sink Systems greater than four (4) stations consult Sloan.

Drain: Hidden yet accessible with NPS 1-1/2 (DN 40) tailpiece.

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

Pedestal: [Not required]

Faucet: <**Insert lavatory-faucet designation>** Select One family of products from Faucet, Hand Dryer and Soap Dispensers from options below:

**Faucet Selection: BASYS Series for AD 8X000**

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: Included with AD8X000 sink system

**Faucet Selection: Clark Street Series for AD 8X000**

Product: EBF 415 [(Specification)](https://www.sloan.com/general-spec/6701)

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], [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]

Mounting Type: Deck

Spout: Rigid Type

Spout Outlet: [Multi-Laminar]

Drain: Included with AD8X000 sink system

**Faucet Selection: Rush Street Series for AD 8X000**

Product: EBF 425 [(Specification)](https://www.sloan.com/general-spec/6711)

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], [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]

Mounting Type: Deck

Spout: Rigid Type

Spout Outlet: [Multi-Laminar]

Drain: Included with AD8X000 sink system

Hand Dryer:Select same family of products from Faucet, Hand Dryer and Soap Dispensers from options below:

**Hand Dryer Selection: BASYS Series for AD 8X000**

Product: EHD 510 [(Specification)](https://www.sloan.com/spec-sheet/15121161)

Mounting: Deck

Operation: Electronic-sensor activated with operation time of 10 - 20 seconds.

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

Compliance: ANSI 117.1, UPC, IPC, NPC Canada, California Green Building Code, City of Los Angeles Water Efficiency Ordinance.

Electrical Requirements: [115 V, 13 A, 1500 W] [115 V, 15 A, 1725 W] [115 V, 20 A, 2300 W] [208-240 V, 9-10 A, 1900-2300 W] **<Insert electrical requirements>.**

**Hand Dryer Selection: Clark Street Series for AD 8X000**

Product: EHD 415 [(Specification)](https://www.sloan.com/spec-sheet/15121161)

Mounting: Deck

Operation: Electronic-sensor activated with operation time of 10 - 20 seconds.

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

Compliance: ANSI 117.1, UPC, IPC, NPC Canada, California Green Building Code, City of Los Angeles Water Efficiency Ordinance.

Electrical Requirements: [115 V, 13 A, 1500 W] [115 V, 15 A, 1725 W] [115 V, 20 A, 2300 W] [208-240 V, 9-10 A, 1900-2300 W] **<Insert electrical requirements>.**

**Hand Dryer Selection: Rush Street Series for AD 8X000**

Product: EHD 425 [(Specification)](https://www.sloan.com/spec-sheet/15121161)

Mounting: Deck

Operation: Electronic-sensor activated with operation time of 10 - 20 seconds.

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

Compliance: ANSI 117.1, UPC, IPC, NPC Canada, California Green Building Code, City of Los Angeles Water Efficiency Ordinance.

Electrical Requirements: [115 V, 13 A, 1500 W] [115 V, 15 A, 1725 W] [115 V, 20 A, 2300 W] [208-240 V, 9-10 A, 1900-2300 W] **<Insert electrical requirements>.**

Soap Dispenser:Select same family of products from Faucet, Hand Dryers and Soap Dispensers from options below:

**Soap Dispenser Selection: BASYS Series for AD 8X000**

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

Description: Nickel metal die cast body, 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 (1 Bottle)

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

Refill Indicator: No

Low battery indicator: No

Sensor Requirements: ASME A112.18.1/CSA B125.1 and UL 1951.

**Soap Dispenser Selection: Clark Street Series for AD 8X000**

Product: ESD 415 [(Specification)](https://www.sloan.com/spec-sheet/15121161)

Description: Nickel metal die cast body, 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 (1 Bottle)

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

Refill Indicator: No

Low battery indicator: No

Sensor Requirements: ASME A112.18.1/CSA B125.1 and UL 1951

**Soap Dispenser Selection: Rush Street Series for AD 8X000**

Product: ESD 425 [(Specification)](https://www.sloan.com/spec-sheet/15121161)

Description: Nickel metal die cast body, 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 (1 Bottle)

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

Refill Indicator: No

Low battery indicator: No

Sensor Requirements: ASME A112.18.1/CSA B125.1 and UL 1951.

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: Sloan Designer Series Sink model no. **DSG 8X000** Gradient Style Sink. Product to be fabricated out of Corian or Quartz. Sloan sensor activated faucet and foam soap dispenser. Sink design to be ADA compliant and IAPMO certified. Supplied with angle brackets or enclosure.

Product: DSG 8X000 ([Specification)](https://www.sloan.com/commercial-bathroom-products/sinks/designer-series#!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: ICPA SS-1 for solid-surface bowls.

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>**

Caesarstone: <https://www.caesarstoneus.com/>

Corian: <https://www.na.corian.com/>

Corian Quartz: <https://www.corianquartz.com/-colors-of-quartz->

Material: Caesarstone, Corian Solid Surface, Corian Quartz, Silestone. For other Quartz brands please contact Sloan at 800.982.5839

Overall Dimensions: 1 station [30” by 23.5” by 22” inches], 2 station [60” by 23.5” by 22” inches], 3 station [90” by 23.5” by 22” inches], 4 station [120” by 23.5” by 22” inches], **<Insert Custom dimensions>.**

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

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

Number of Stations: [**One**] [**Two**] [**Three**] [**Four**]. For Sink Systems greater than four (4) stations consult Sloan.

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

Drain Finishes: [Polished Chrome Plated], [Brushed Stainless], [Brushed Nickel], [Polished brass], [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: Sloan Designer Series Sink model no. **DSCT 8X000** Countertop Style Sink. Product to be fabricated out of Corian or Quartz with vitreous china or solid surface undermount bowls. 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.

Product: DSCT 8X000 [(Specification)](https://www.sloan.com/commercial-bathroom-products/sinks/designer-series)

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>**

Caesarstone: <https://www.caesarstoneus.com/>

Corian: <https://www.na.corian.com/>

Corian Quartz: <https://www.corianquartz.com/-colors-of-quartz->

Material: Caesarstone, Corian Solid Surface, Corian Quartz, Silestone

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 24” 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**]. For Sink Systems greater than four (4) stations consult Sloan.

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: Sloan Designer Series Sink model no. **DSOF 8X000** Open Front Style Sink. Product to be fabricated out of Corian or Quartz. 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.

Product: DSOF 8X000 [(Specification)](https://www.sloan.com/commercial-bathroom-products/sinks/designer-series#!open-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, 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>**

Caesarstone: <https://www.caesarstoneus.com/>

Corian: <https://www.na.corian.com/>

Corian Quartz: <https://www.corianquartz.com/-colors-of-quartz->

Material: Caesarstone, Corian Solid Surface, Corian Quartz, Silestone. For other Quartz brands please contact Sloan at 800.982.5839

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**]. For Sink Systems greater than four (4) stations consult Sloan.

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: Sloan Designer Series Sink model no. **DSWD 8X000** Weir Deck Style Sink. Product to be fabricated out of Corian or Quartz. Optional Basin Grate to be made of Stainless. 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: DSWD 8X000 [(Specification)](https://www.sloan.com/commercial-bathroom-products/sinks/designer-series#!weir-deck)

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>**

Caesarstone: <https://www.caesarstoneus.com/>

Corian: <https://www.na.corian.com/>

Corian Quartz: <https://www.corianquartz.com/-colors-of-quartz->

Material: Caesarstone, Corian Solid Surface, Corian Quartz, Silestone. For other Quartz brands please contact Sloan at 800.982.5839

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**]. For Sink Systems greater than four (4) stations consult Sloan.

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"**

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. **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"**

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 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

**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 415** 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 415 [(Specification)](https://www.sloan.com/general-spec/6701)

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], [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]

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, 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>**

**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 410** 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 410 [(Specification)](https://www.sloan.com/general-spec/6706)

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

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 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>**

**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: **EBF 85** 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 85 [(Specification)](https://www.sloan.com/general-spec/506)

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], [4" Center set], [8" Center set]

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], 1.5 gpm, 5.7 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: **EBF 425** 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 425 [(Specification)](https://www.sloan.com/general-spec/6711)

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], [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]

Mounting Type: Deck

Spout: Rigid Type

Spout Outlet: [Multi-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: **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: **ETF 420** 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 420 [(Specification)](https://www.sloan.com/general-spec/6696)

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]

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: **ETF 80** 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 80 [(Specification)](https://www.sloan.com/general-spec/521)

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], Chrome plated Cast Brass constructed metal.

Finish: [Polished Chrome Plated]

Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [1.0 gpm, 3.8 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>**

**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-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

C. 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

D. 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

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

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ESD-410** Battery Powered Deck Mount Foam Soap Dispenser. Includes sealed above deck electronics with modular one-piece construction.

Product: ESD 410 [(specification)](https://www.sloan.com/commercial-bathroom-products/soap-dispensers/sloan/esd-410)

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-420** Battery Powered Deck Mount Foam Soap Dispenser. Includes sealed above deck electronics with modular one-piece construction.

Product: ESD 420 [(specification)](https://www.sloan.com/commercial-bathroom-products/soap-dispensers/sloan/esd-420)

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

G. Automatic Liquid Soap Dispenser **<Insert Drawing Designation>**

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ESD 250** deck mounted liquid soap dispenser. Modular One-piece Construction and easily attaches to deck surface. Low Battery Indicator and Low Soap Level Indicator.

Product: ESD 250 [(specification)](https://www.sloan.com/spec-sheet/3346050)

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

Mounting: Deck mounted

Capacity: 800 ML (1 bottle) or 1600 ML (1 bottle)

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

Refill Indicator: Yes

Low Battery Indicator: Yes

**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