



WILLOUGHBY

COUNT ON US.



SECURITY PRODUCT GUIDE

PLUMBING FIXTURES & ACCESSORIES




TABLE OF CONTENTS

Security Product Guide: Plumbing Fixtures & Accessories




SECTIONS


COMBINATION UNITS

Available in 15", 18", 20", 26", 28" and 36" widths. These lavatory and toilet units are fabricated from heavy gauge, type 304 stainless steel polished to a satin finish. **PAGE 2** 

TOILETS

Wall hung, floor mounted, blow-out, siphon jet, wall outlet, and floor outlet. All featuring an elongated bowl with contoured seat, crevice free self-draining flush rim with positive afterfill, and fully enclosed trap. **PAGE 6** 


LAVATORIES

Rear mounted, front mounted, corner mounted, and ADA. All lavatories are available with machined stainless steel bubblers and pushbuttons **PAGE 9** 

SINKS

Service, mop, shampoo, and multistation. **PAGE 12** 


URINALS

Available in single person, multi-person, straddle, or trough type configurations. **PAGE 13** 


DRINKING FOUNTAINS

Rear mounted, front mounted, non-handicap, and handicap. **PAGE 14** 

SHOWERS

Cabinet, corner, single person, and multi-person. **PAGE 15** 


ACCESSORIES

Tissue holders, soap dishes, shelves, mirrors, and grab bars. **PAGE 19** 

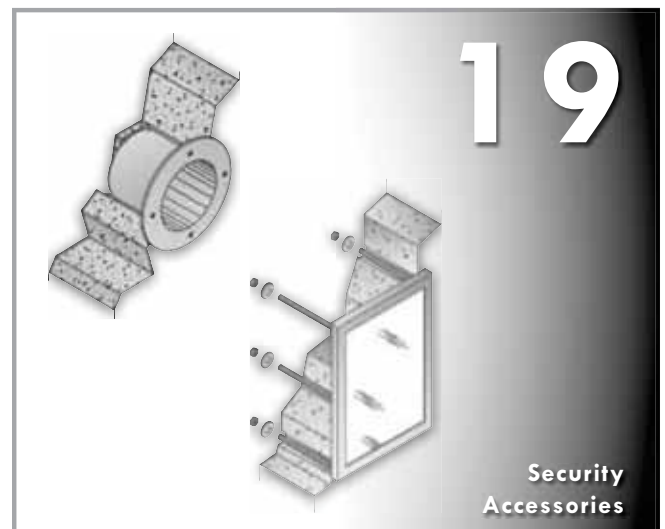
VALVES

Pushbutton pneumatic and electronic plus toilet overflow preventers. **PAGE 22** 

ELECTRONIC WATER CONSERVATION CONTROLS

Pneutronic, WITS, and WMS-2000. **PAGE 23** 

ANTI-SUICIDE FIXTURES **PAGE 26**



CERTIFICATIONS

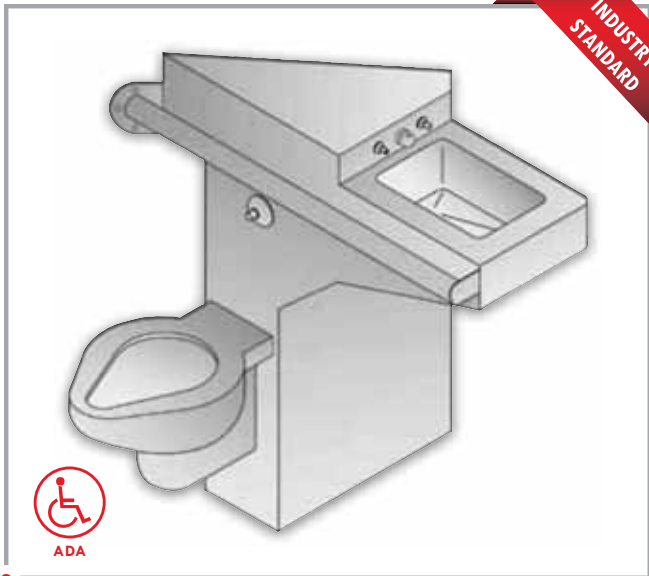


COMBINATION UNITS



02

Willoughby combination lavatory/toilet units are fabricated from heavy gauge, type 304 stainless steel with all-welded construction and exposed stainless surfaces polished to a satin finish. The standard toilet has an elongated bowl with contoured seat, integral crevice-free self-draining flushing rim with positive afterfill and fully enclosed trap. All lavatories are available with machined stainless steel bubblers and pushbuttons. Call a Willoughby sales representative today at 1-800-428-4065.



1545 SERIES

- 15" Wide
- 45° Angled Wall
- Rear Mounted
- ADA



1546 SERIES

- 15" Wide
- Rear Mounted



1806 SERIES

- 18" Wide
- Rear Mounted
- Anti-suicide



1846 SERIES

- 18" Wide
- Rear Mounted

**1846-FA SERIES**

- 18" Wide
- Front Mounted

**1847 SERIES**

- 18" Wide
- Angled Lavatory Bowl
- Rear Mounted

**2046 SERIES**

- 20" Wide
- Angled Toilet Bowl
- Rear Mounted

**2096 SERIES**

- 20" Wide
- Offset Toilet Bowl
- Offset Lavatory Bowl
- Rear Mounted



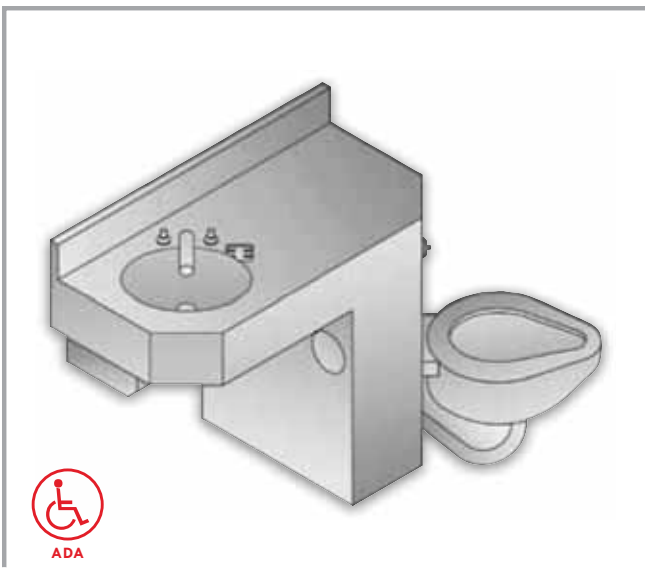
2696 SERIES

- 26" Wide
- Offset Toilet Bowl
- Offset Lavatory Bowl
- Rear Mounted



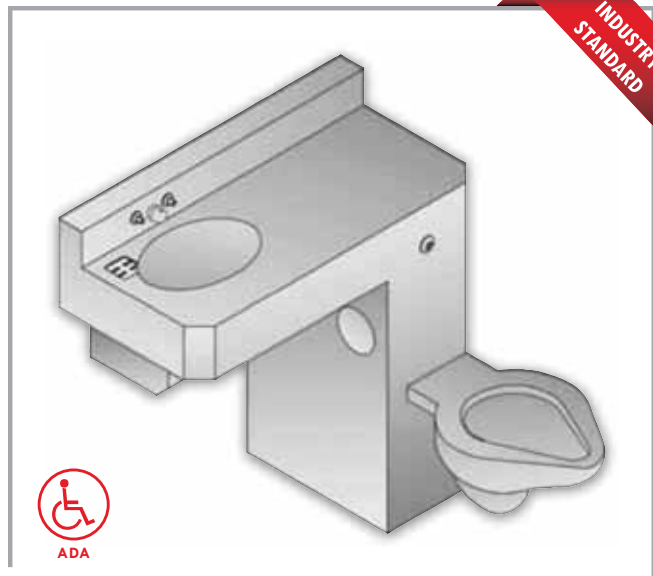
2897 SERIES

- 28" Wide
- Angled Lavatory Bowl
- Rear Mounted



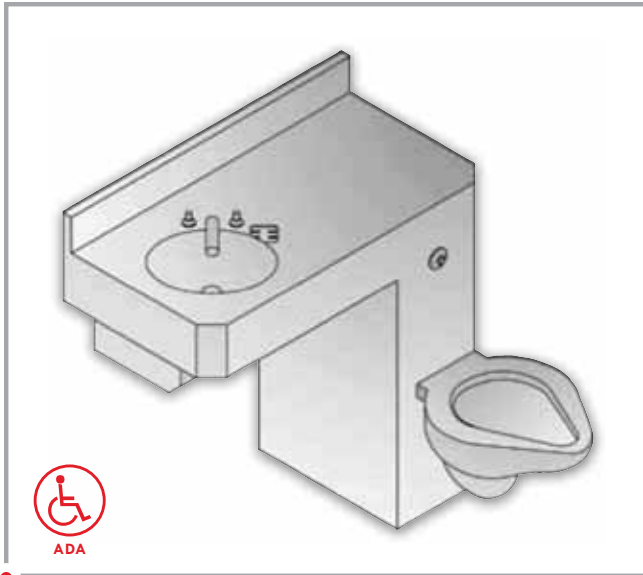
3647 SERIES

- 36" Wide
- Angled Toilet Bowl
- Angled Lavatory Bowl
- Rear Mounted
- ADA



3696 SERIES

- 36" Wide
- Offset Toilet Bowl
- Offset Lavatory Bowl
- Rear Mounted
- ADA

**3697 SERIES**

- 36" Wide
- ADA
- Offset Toilet Bowl
- Angled Lavatory Bowl
- Rear Mounted

**ECW-1546-350 SERIES**

- 15" Wide
- Wall Outlet
- Replacement for Super Secur A-350
- Wall Mount

**ECW-1546-150 SERIES**

- 15" Wide
- Wall Outlet
- Replacement for Super Secur A-150
- Floor Mount

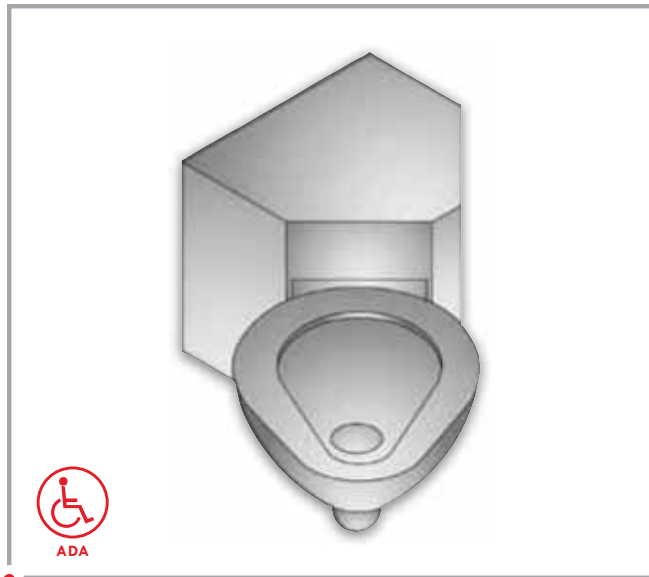
**ECF-1546-150 SERIES**

- 15" Wide
- Floor Outlet
- Replacement for Super Secur A-150-F
- Floor Mount

TOILETS

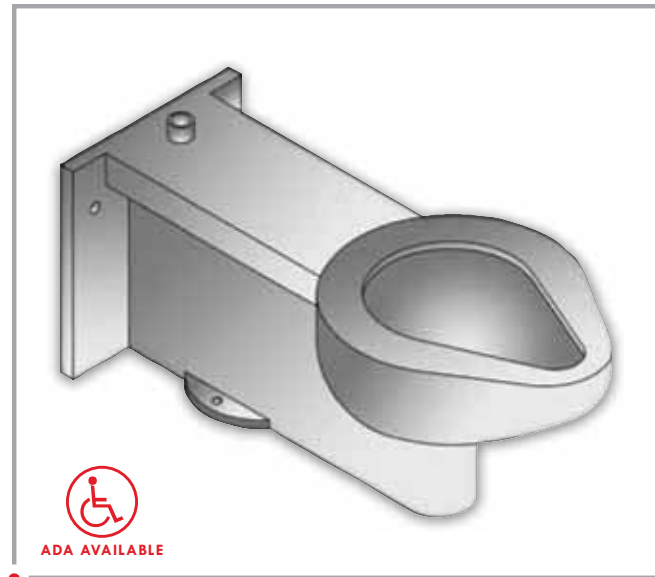


Willoughby toilets are fabricated from heavy gauge, type 304 stainless steel. The construction is all-welded, with exposed stainless surfaces polished to a satin finish. The standard toilet shall include: elongated toilet bowl with contoured seat, integral crevice-free self-draining flushing rim with positive afterfill and fully enclosed trap. Call a Willoughby sales representative today at 1-800-428-4065.



ETW-1445 SERIES

- 45° Angled Wall
- Blowout Flush
- Rear Mounted
- ADA



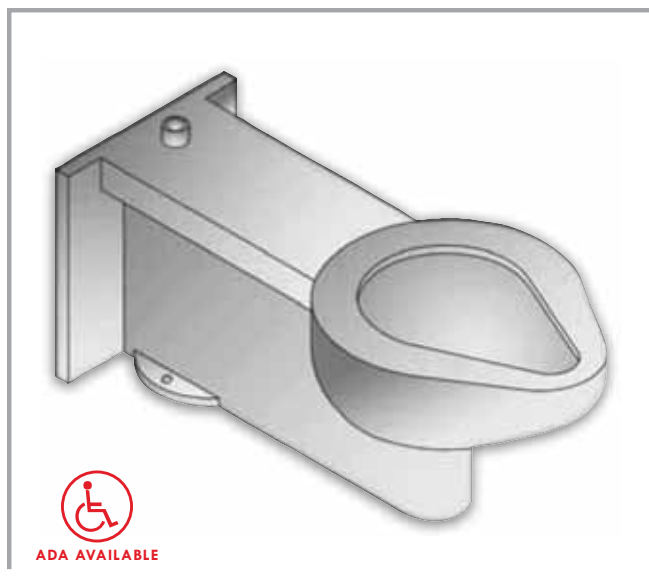
ADA AVAILABLE

ETF-1490-FM-10"-FA

- 10" Rough Floor Outlet
- Siphon Jet Flush
- Floor Mount
- Front Access

ETF-1490-FM-12"-FA

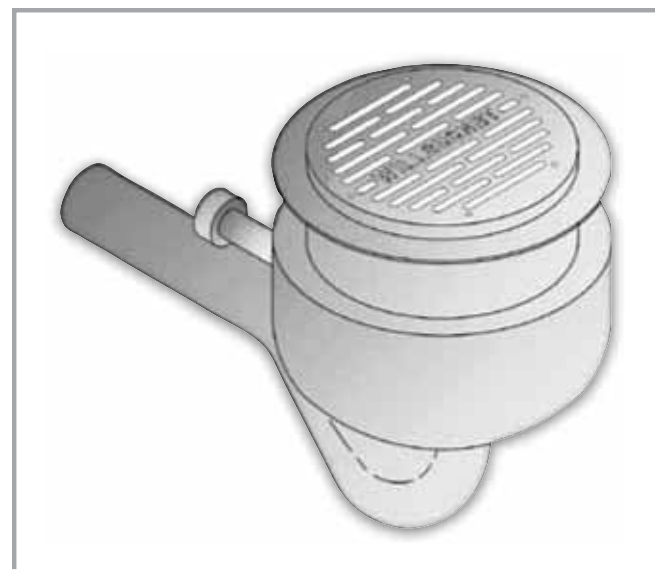
- 12" Rough Floor Outlet
- Siphon Jet Flush
- Floor Mount
- Front Access



ADA AVAILABLE

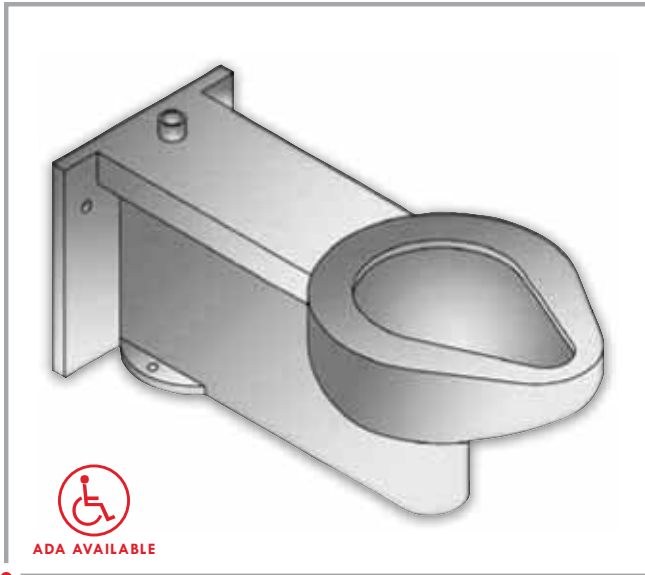
ETF-1490-FM

- Siphon Jet Flush
- Floor Mount
- Rear Access
- 4.25" Rough Floor Outlet



FD-1400

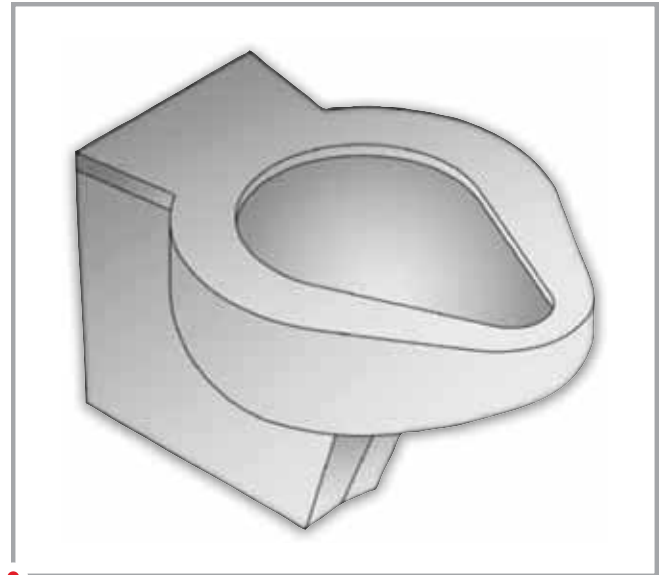
- In Floor Mount
- Detox Toilet



ADA AVAILABLE

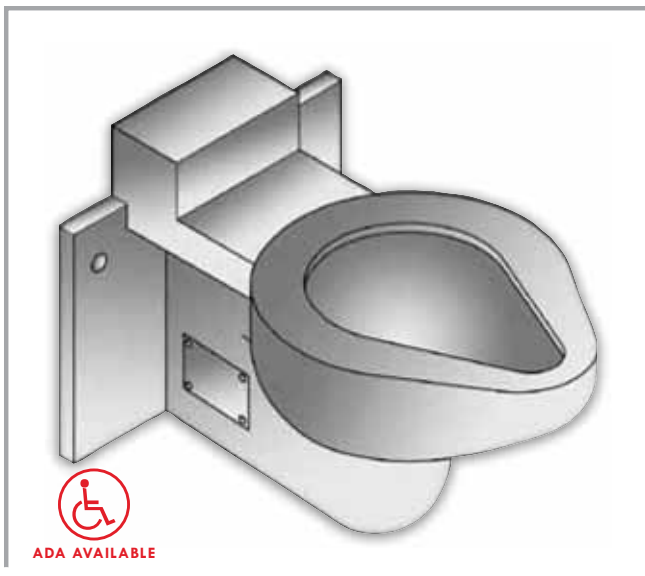
ETF-1490-FM-FA

- 4.25" Rough Floor Outlet
- Siphon Jet Flush
- Floor Mount
- Front Access



LFCETW-1490-OF-BS

- Blowout Flush
- China Alternative
- Off Floor Mount
- Rear Mounted
- Wall Outlet



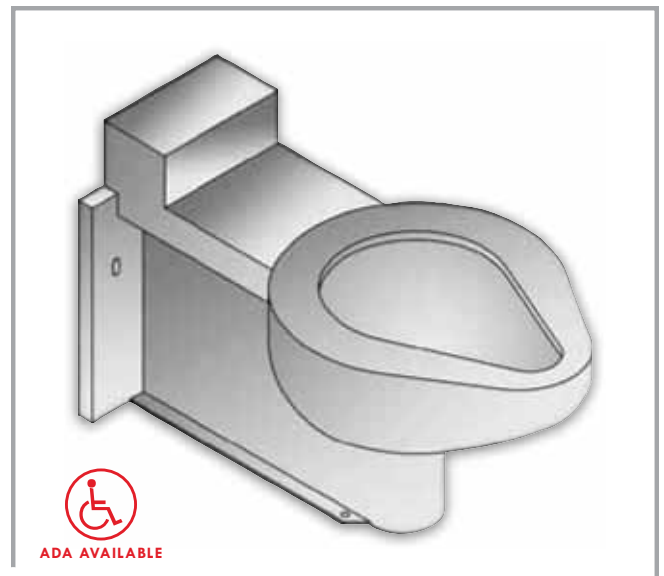
ADA AVAILABLE

ETW-1490-CM

- 3-Bolt Carrier Mount
- Blowout Flush

ETWS-1490-CM

- 4-Bolt Carrier Mount
- Siphon Jet Flush



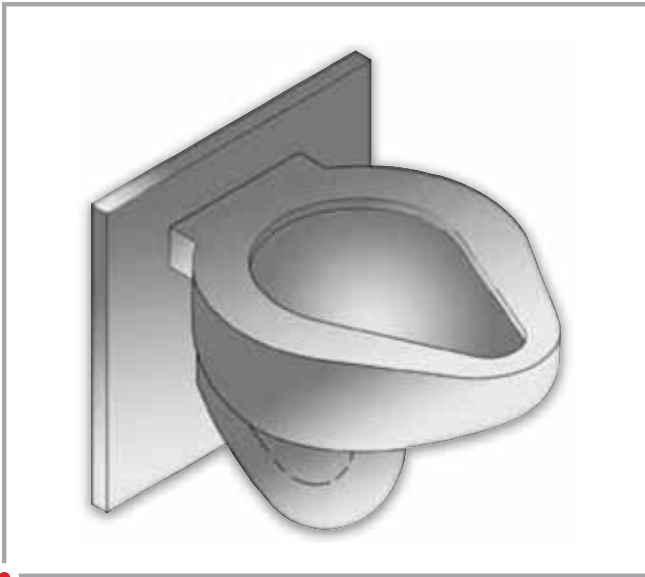
ADA AVAILABLE

ETW-1490-FM-FA

- Blowout Flush
- Floor Mount
- Front Mounted
- Wall Outlet

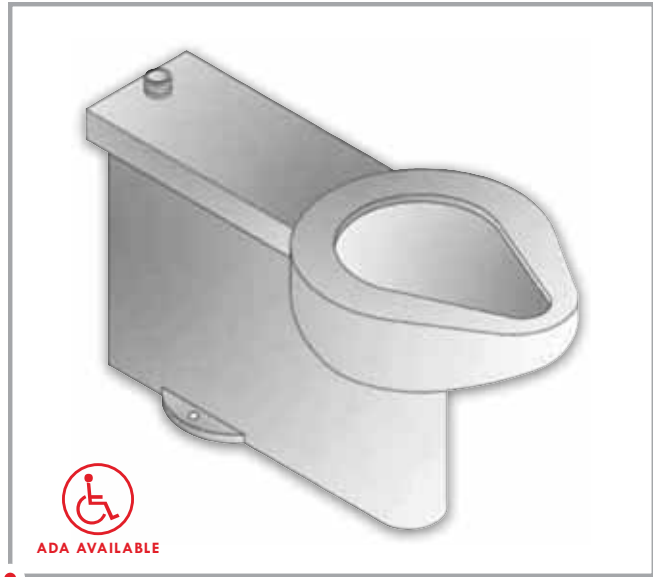
ETWS-1490-FM-FA

- Siphon Jet Flush
- Floor Mount
- Front Mounted
- Wall Outlet



ETW-1490-ES

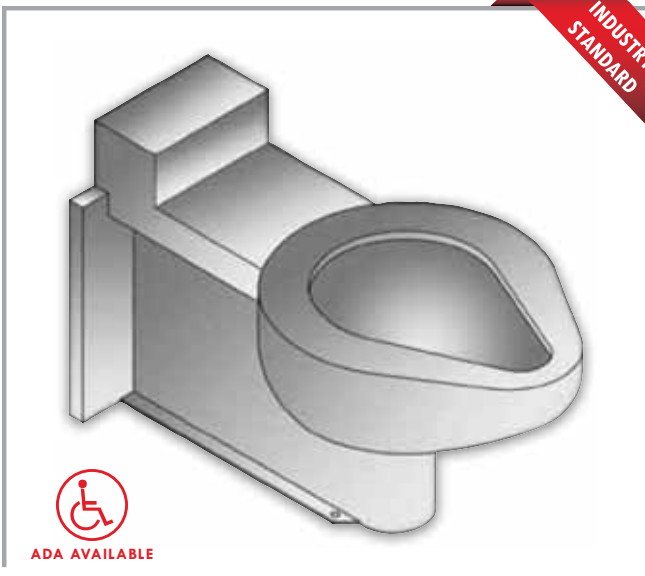
- Short & Compact
- Wall Mounted
- Rear Mounted
- Wall Outlet



ADA AVAILABLE

ETF-1490-OW

- Siphon Jet Flush
- Floor Mount
- Off Wall Mount
- Floor Outlet



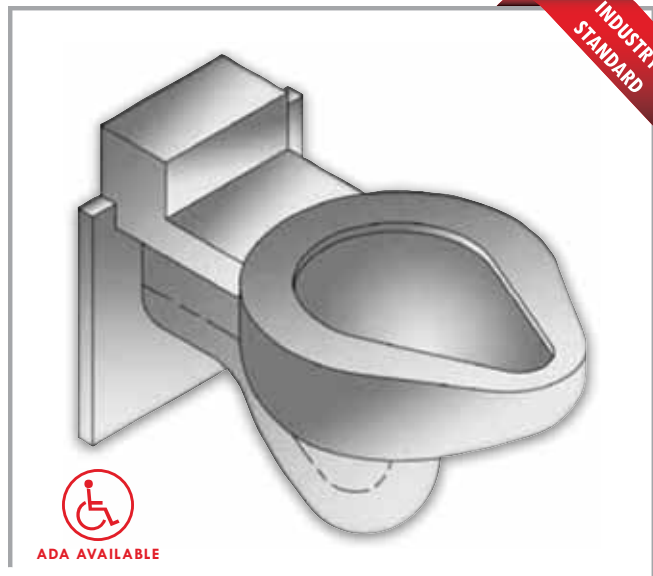
ADA AVAILABLE

ETW-1490-FM

- Blowout Flush
- Floor Mount
- Rear Mounted
- Wall Outlet

ETWS-1490-FM

- Siphon Jet Flush
- Floor Mount
- Rear Mounted
- Wall Outlet



ADA AVAILABLE

ETW-1490-OF

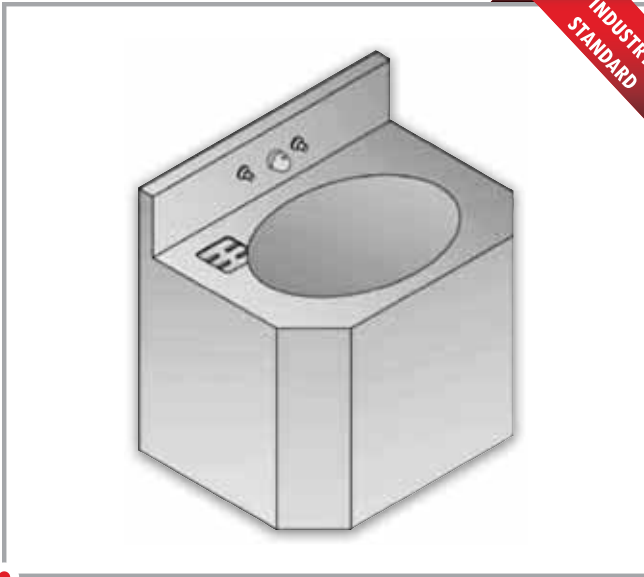
- Blowout Flush
- Off Floor Mount
- Rear Mounted
- Wall Outlet

ETWS-1490-OF

- Siphon Jet Flush
- Off Floor Mount
- Rear Mounted
- Wall Outlet

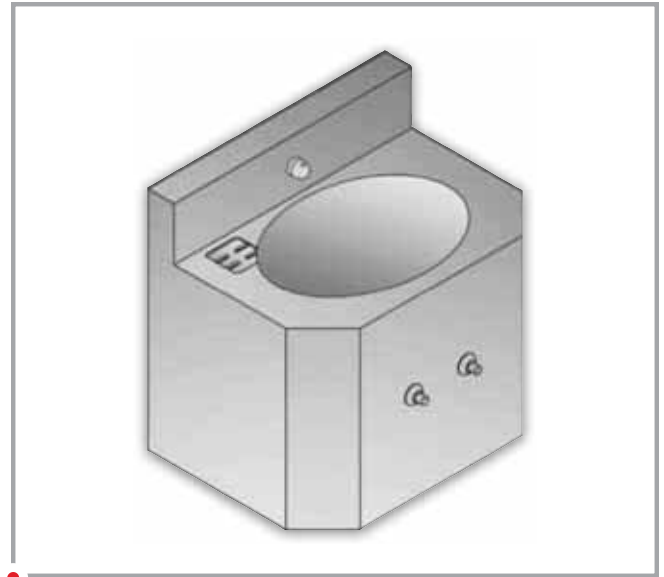


Willoughby Lavatories are fabricated from heavy gauge, type 304 stainless steel. The construction is all-welded, with exposed stainless surfaces polished to a satin finish. All lavatories are available with machined stainless bubblers and pushbuttons. Call a Willoughby sales representative today at 1-800-428-4065.



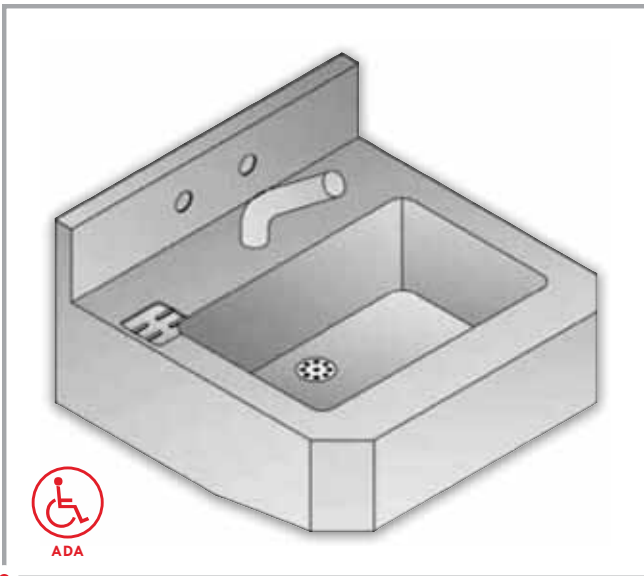
HS-1013-96

- 18" Wide
- Rear Mounted



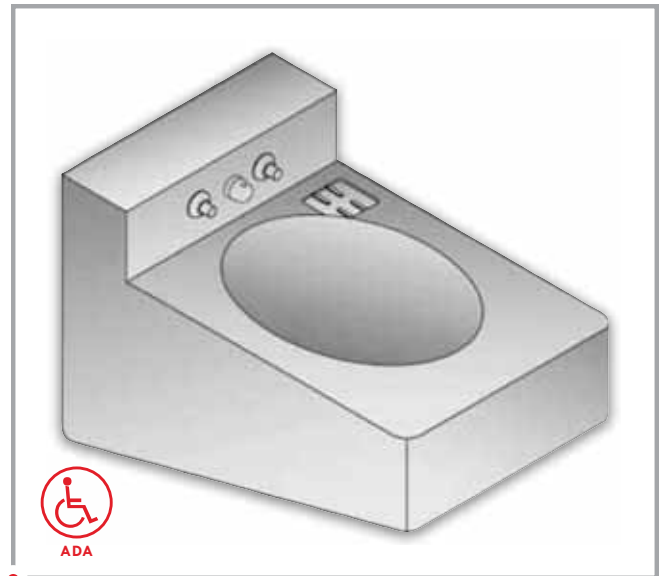
HS-1013-96-FA

- 18" Wide
- Removable Bottom
- Front Mounted



HS-1014-96-HC

- 18" Wide
- Deckspout
- Rear Mounted
- ADA



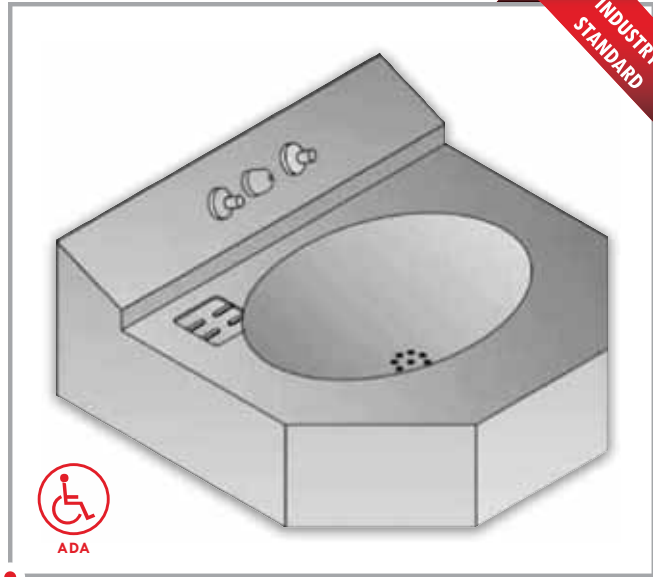
HS-1310-96-HC

- 13" Wide
- 45° Angled Wall
- Rear Mounted
- ADA



HS-1013-46

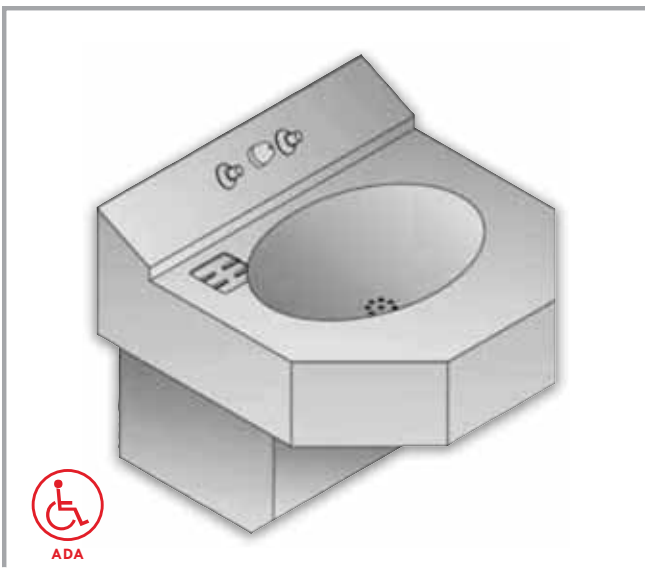
- 18" Wide
- Rear Mounted



ADA

HS-1013-46-HC

- 18" Wide
- Rear Mounted
- ADA



ADA

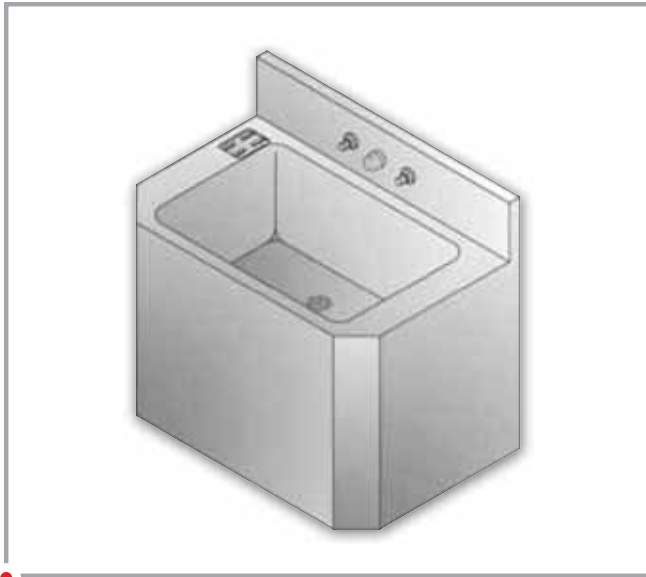
HS-1013-46-HC-FA

- 18" Wide
- Removable Bottom
- Front Mounted
- ADA

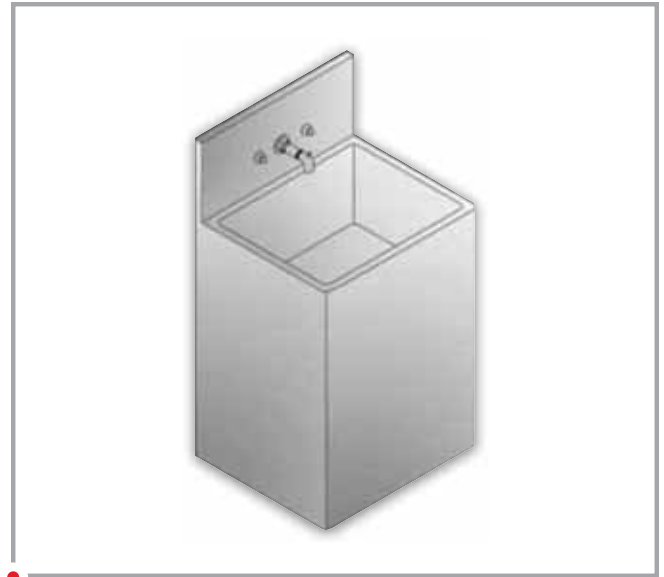


HS-1013-46-15

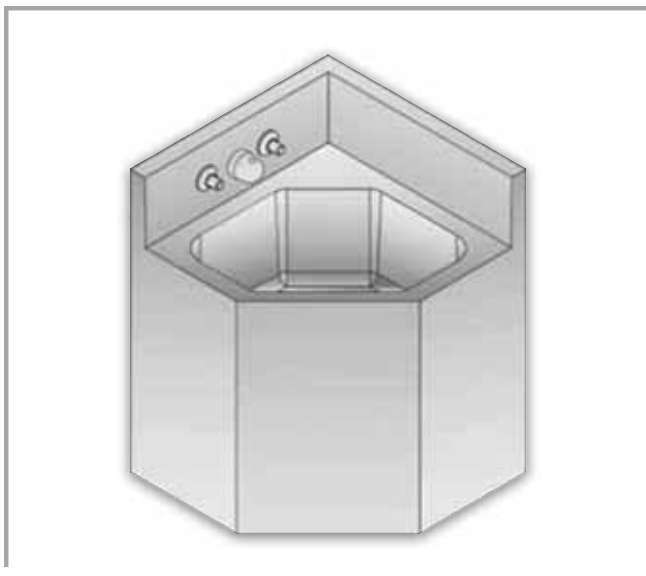
- 15" Wide
- Compact
- Rear Mounted

**HS-1015-20**

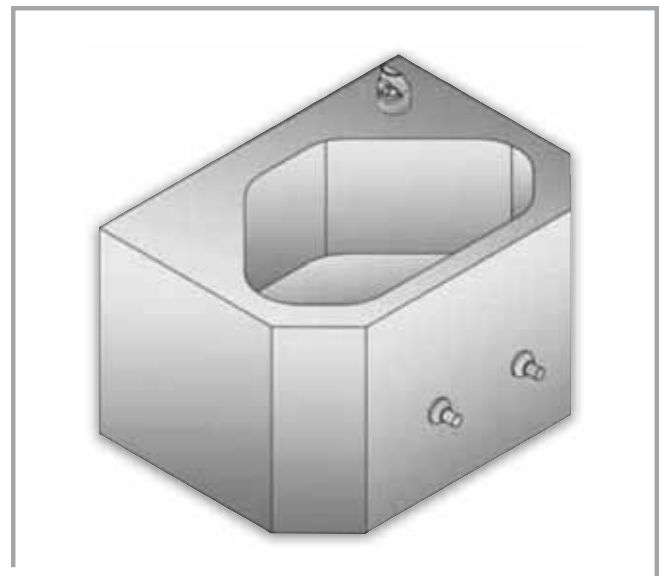
- 20" Wide
- Rear Mounted

**SS-SERIES**

- Service Sink
- Wall Mount/Floor Mount

**CS-1013-46**

- 15" Wide
- Corner Configuration
- Rear Mounted

**CHS-1013-46**

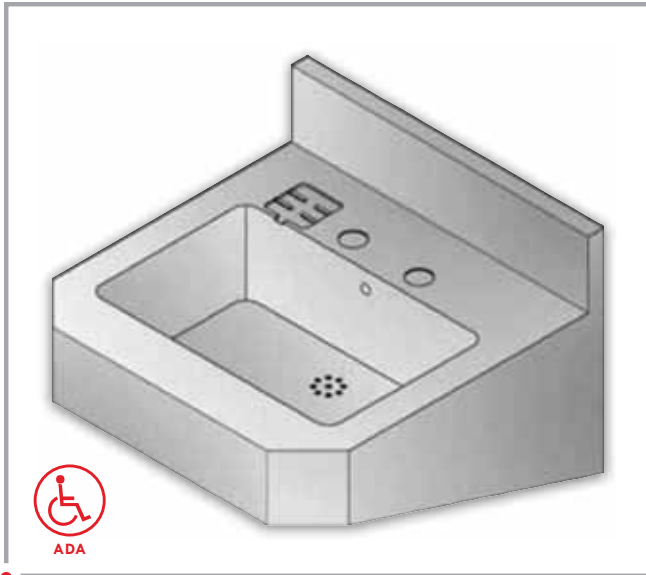
- 15" Wide
- China Alternative
- Rear Mounted

SINKS



Willoughby Commercial grade sinks are fabricated from heavy gauge, type 304 stainless steel. The construction is all-welded, with exposed stainless surfaces polished to a satin finish. Commercial grade faucetry is available for most models. Call a Willoughby sales representative today at 1-800-428-4065.

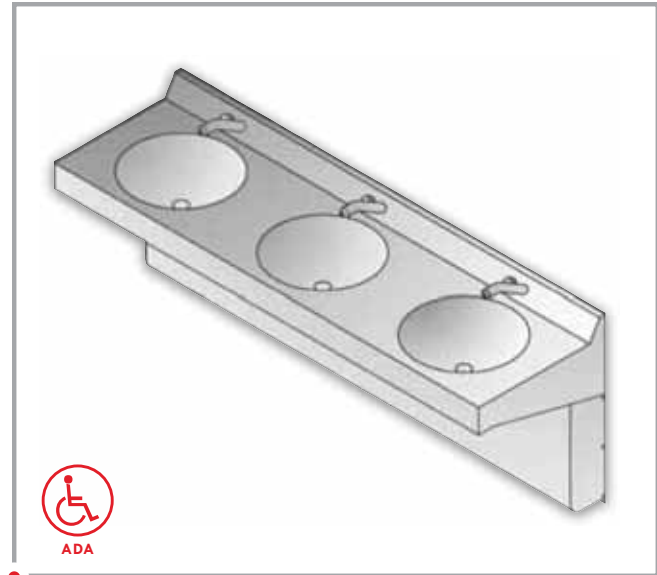
12



ES-1015-HC SERIES

• ADA

- 18" Wide
- Exposed Trap & Supplies
- Front Mounted



CWLD SERIES

- Lavatory Deck
- Front Mounted
- ADA



CWMS SERIES

- Mop Sink

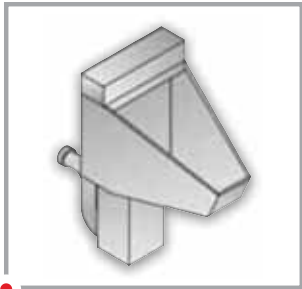


SB-1823

- Shampoo Bowl
- Rounded Neck Rest
- Available With Optional Faucet, Vacuum breaker

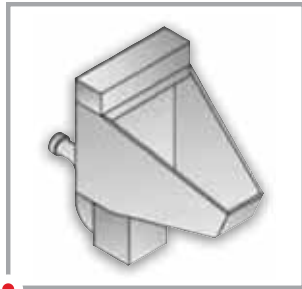


Willoughby urinals are available in single or multi-person models with both straddle or trough type configurations. All models are fabricated from heavy gauge, type 304 stainless steel. The fixtures have "all-welded" construction. Call a Willoughby sales representative today at 1-800-428-4065.



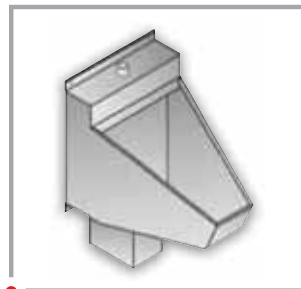
UW-1412-WO SERIES

- Washout
- Straddle
- Rear Mounted



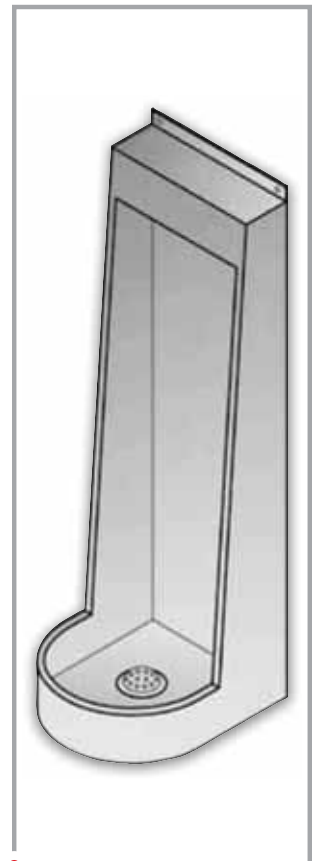
UW-1412-BJ SERIES

- Blowout
- Straddle
- Rear Mounted



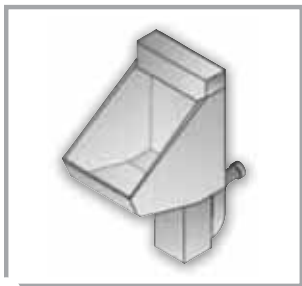
UW-1412-WO-FA SERIES

- Washout
- Straddle
- Front Mounted



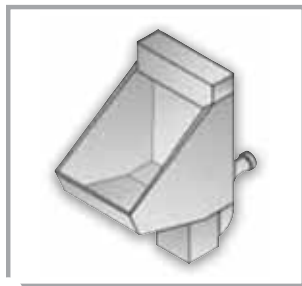
UW-1438 SERIES

- Stall
- Floor Mounted



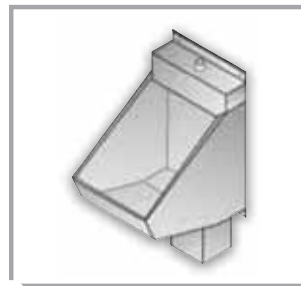
UW-1814-WO SERIES

- Washout
- Single Person Trough
- Rear Mounted



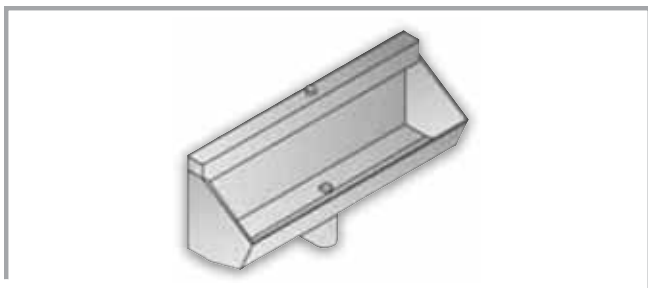
UW-1814-BJ SERIES

- Blowout
- Single Person Trough
- Rear Mounted



UW-1814-WO-FA SERIES

- Washout
- Single Person Trough
- Front Mounted



UW-1800 SERIES

- Multiple Person Trough
- Rear Mounted
- Available in lengths of 36", 48", 60", 72" & 96"



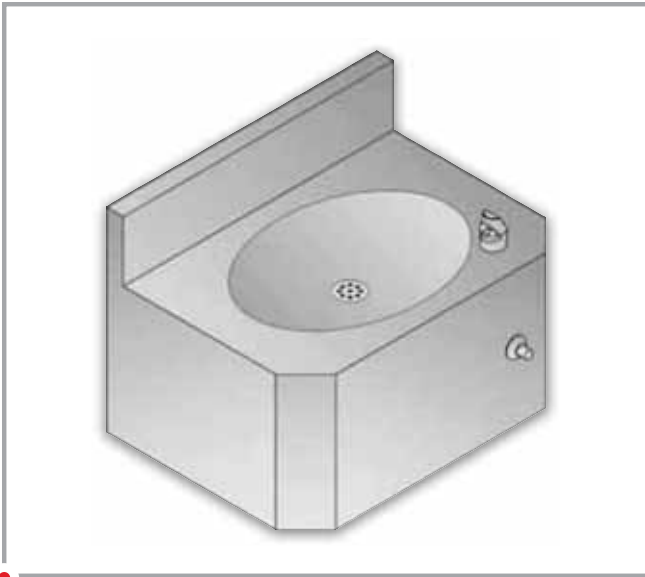
UW-1800-FA SERIES

- Multiple Person Trough
- Front Mounted
- Available in lengths of 36", 48", 60", 72" & 96"

DRINKING FOUNTAIN

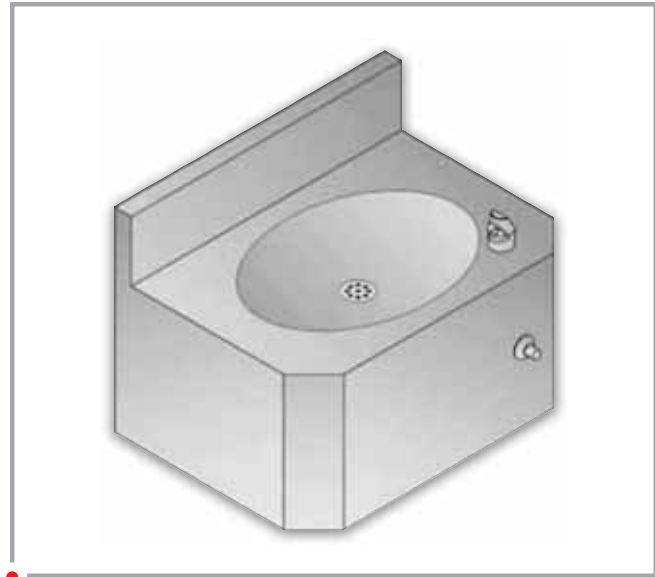


Willoughby drinking fountains are fabricated from heavy gauge, type 304 stainless steel. The construction is all-welded, with exposed stainless surfaces polished to a satin finish. All drinking fountains are available with machined stainless bubblers and pushbuttons. Call a Willoughby sales representative today at 1-800-428-4065.



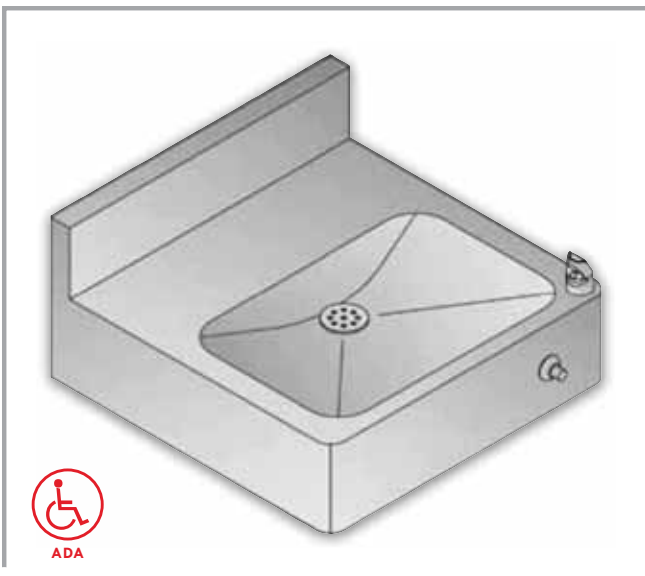
DF-1013-96

- 18" Wide
- Rear Mounted



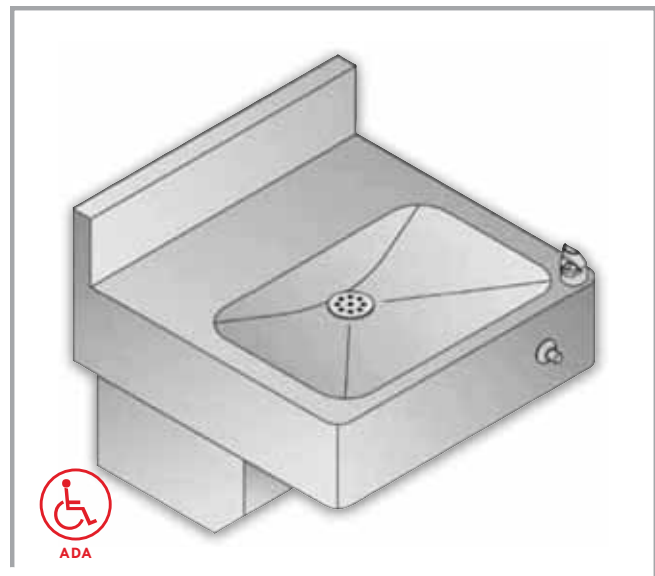
DF-1013-96-FA

- 18" Wide
- Removable Bottom
- Front Mounted



DF-1015-96-HC

- 18" Wide
- Rear Mounted
- ADA



DF-1015-96-HC-FA

- 18" Wide
- Removable Bottom
- Front Mounted
- ADA

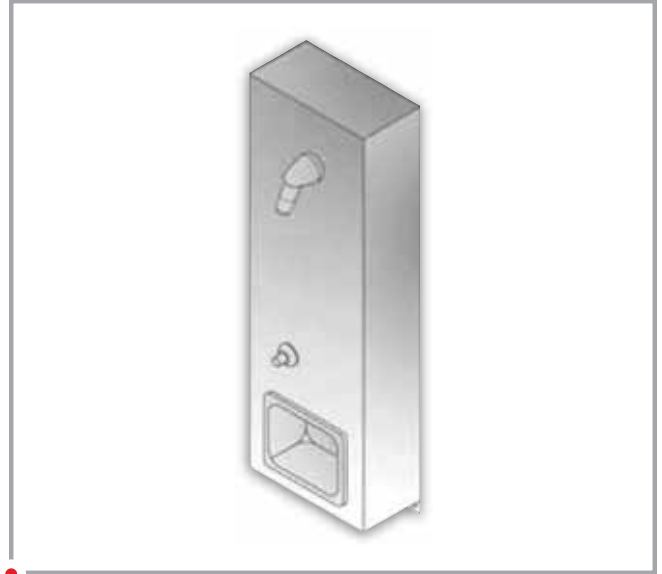


Willoughby showers are fabricated from heavy gauge, type 304 stainless steel. The construction is all-welded, with exposed stainless surfaces polished to a satin finish. Showerheads are machined stainless steel. Call a Willoughby sales representative today at 1-800-428-4065.



CWKS SERIES

- Corner Configuration
- Front Mounted



CWSMS SERIES

- Single Station
- Front Mounted



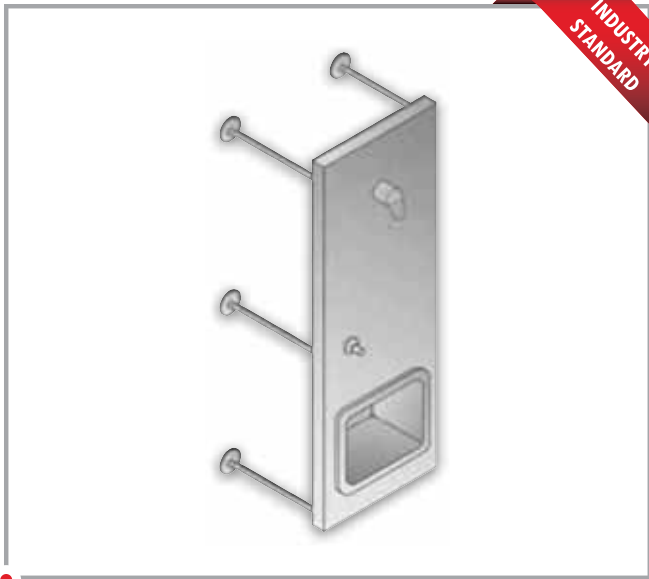
CWDS SERIES

- Double Station
- Front Mounted



CWTS SERIES

- Triple Station
- Front Mounted



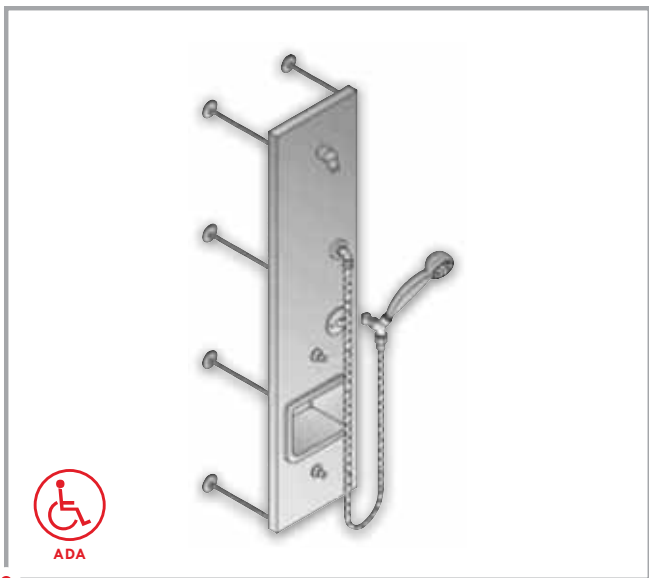
WRS SERIES

- Recessed Shower Panel
- Rear Mounted



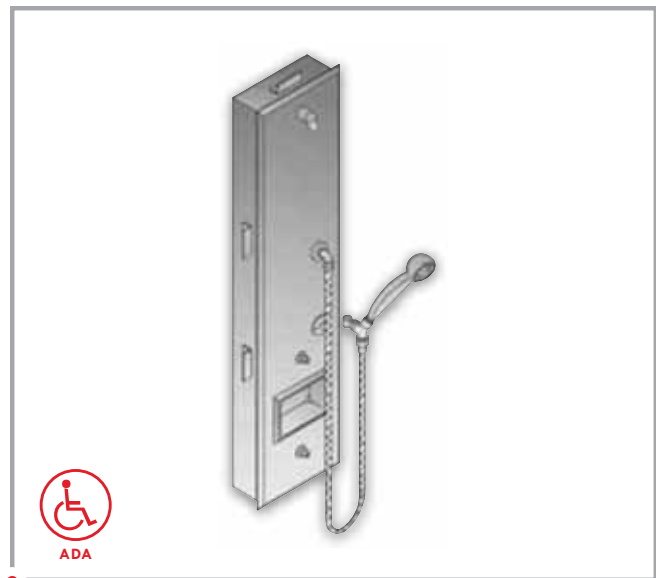
WRS-FA SERIES

- Recessed Shower Panel
- Front Mounted



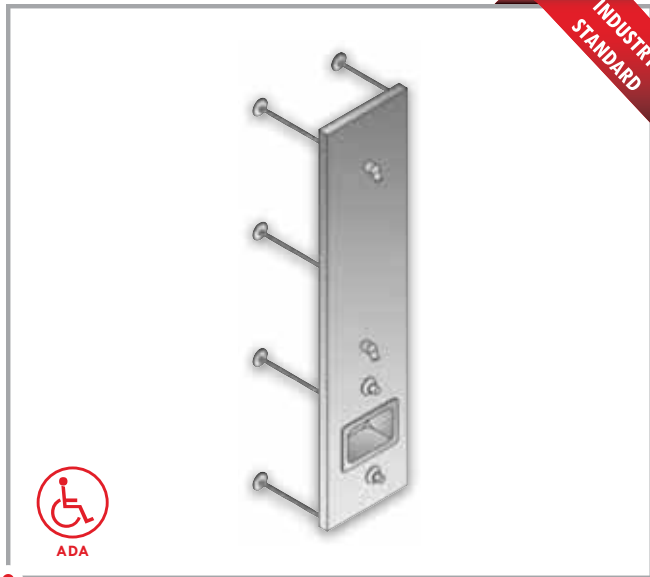
WRS-BF SERIES

- Recessed Shower Panel
- Hand Held Showerhead
- Rear Mounted
- ADA



WRS-BF-FA SERIES

- Recessed Shower Panel
- Hand Held Showerhead
- Front Mounted
- ADA



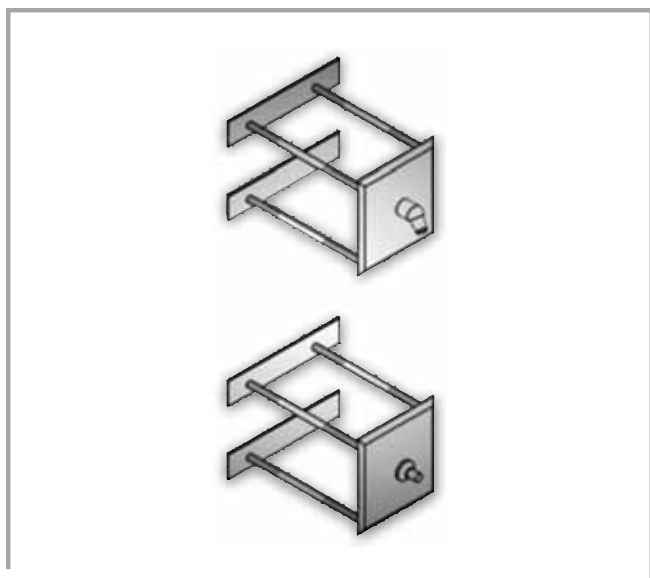
WRS-BF-2HD SERIES

- Recessed Shower Panel
- Two Fixed Showerheads
- Rear Mounted
- ADA



WRS-BF-FA-2HD SERIES

- Recessed Shower Panel
- Two Fixed Showerheads
- Front Mounted
- ADA



WBIS SERIES

- Rear Mounted
- Built-in Shower

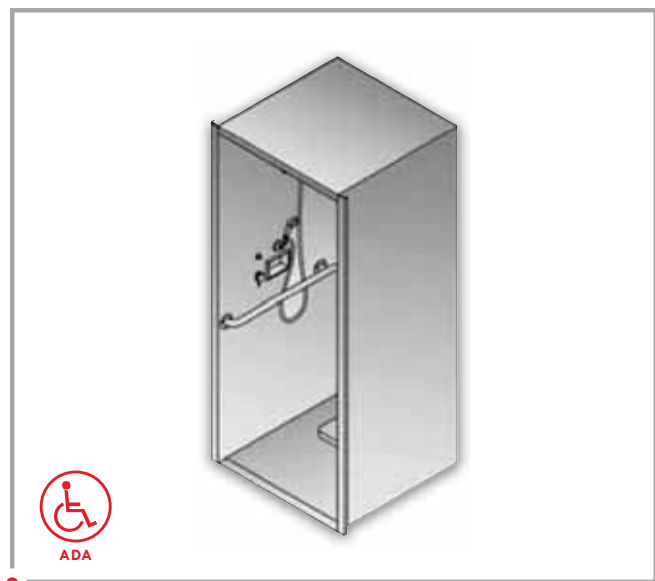


US SERIES

- Unitized Cabinet Shower

KS SERIES

- Knockdown Cabinet Shower
(Details on page 18)



US-FA SERIES

- Unitized Cabinet Shower
- Front Access

KS-FA SERIES

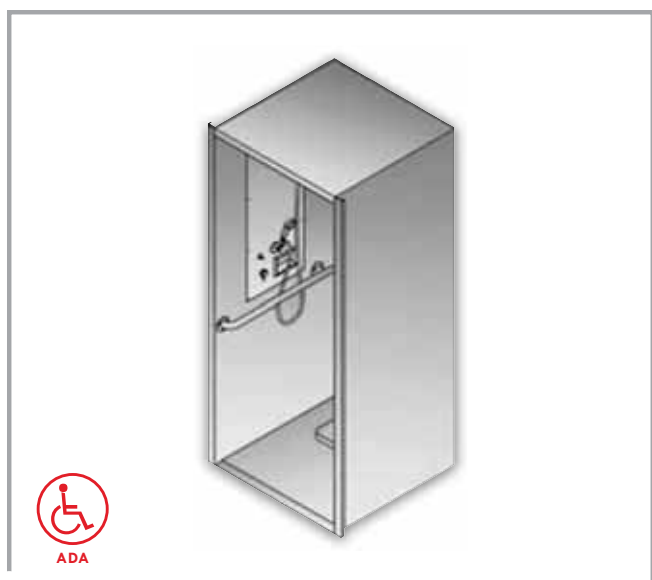
- Knockdown Cabinet Shower
(Details on page 18)
- Front Access

US-HC SERIES

- Unitized Cabinet Shower
- ADA

KS-HC SERIES

- Knockdown Cabinet Shower
(Details on page 18)
- ADA



US-FA SERIES

- Unitized Cabinet Shower
- Front Access
- ADA

KS-FA SERIES

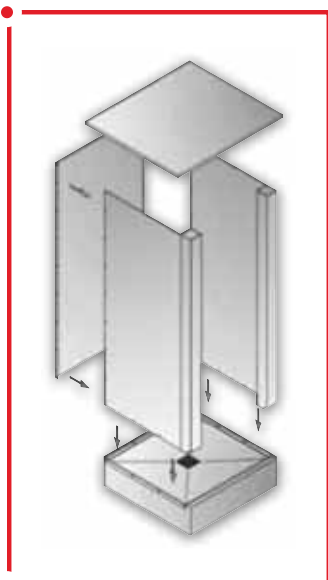
- Knockdown Cabinet Shower
(Details on page 18)
- Front Access
- ADA

KNOCKDOWN CABINET SHOWER

For use in renovation projects or where unitized cabinet showers are not practical.

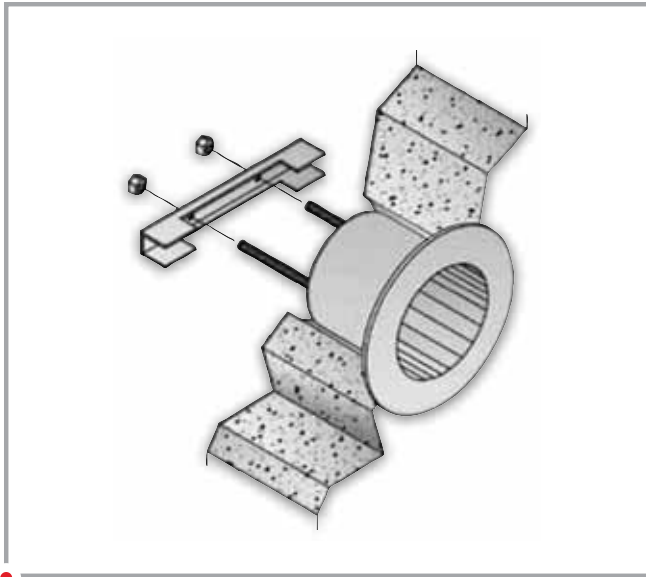
Construction of cabinet shall feature bolted, water-tight seams requiring no drilling, punching, etc. for assembly. Security fasteners are furnished for installation and assembly.

Call a Willoughby sales representative for details at 1-800-428-4065.



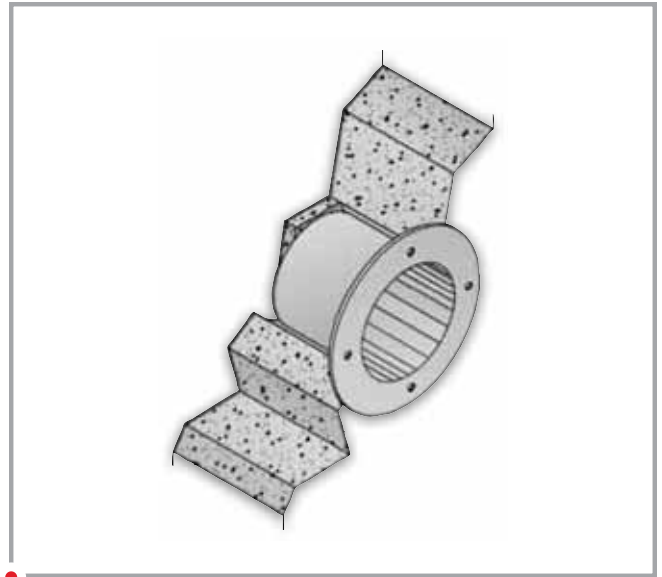


The heavy duty stainless steel security accessories are designed to withstand abusive environments. Call a Willoughby sales representative today at 1-800-428-4065.



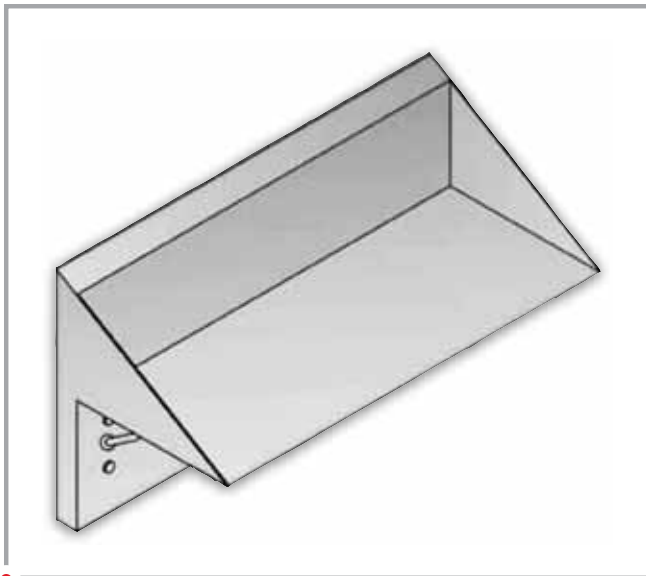
RTH-1

- Recessed Tissue Holder
- Rear Mounted



RTH-2

- Recessed Tissue Holder
- Front Mounted

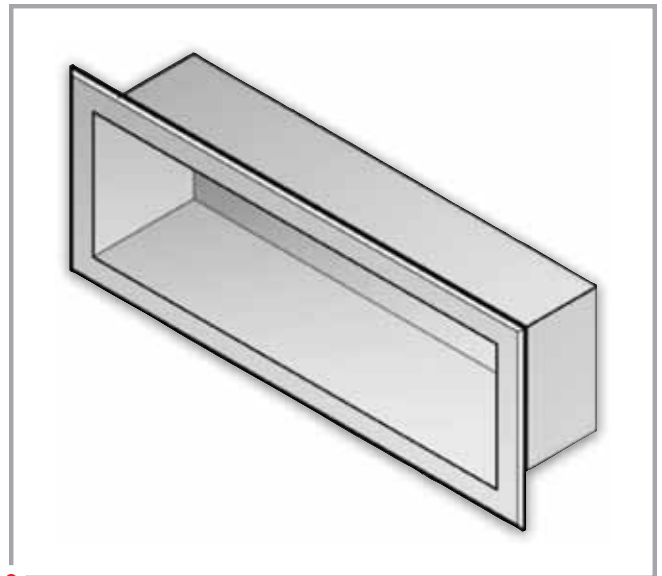


WA-1824 SERIES

- 4 Release Towel Hooks with Shelf
- Rear Mounted

WA-1824-FA SERIES

- 4 Release Towel Hooks with Shelf
- Front Mounted

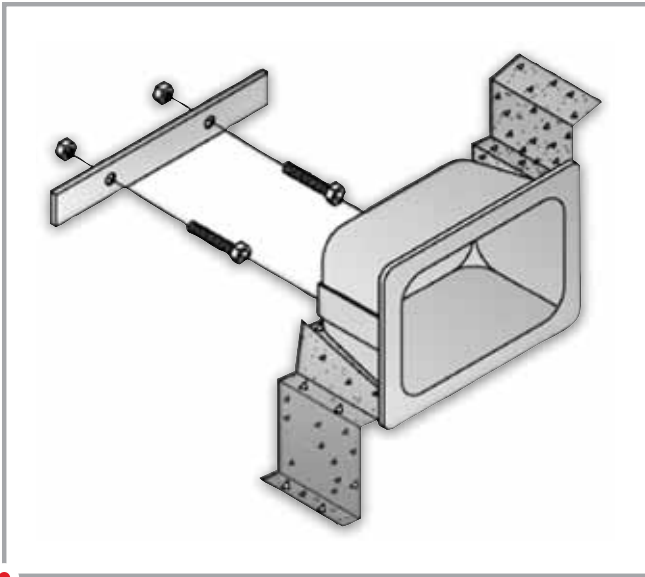


RS-1 SERIES

- Recessed Shelf
- Rear Mounted

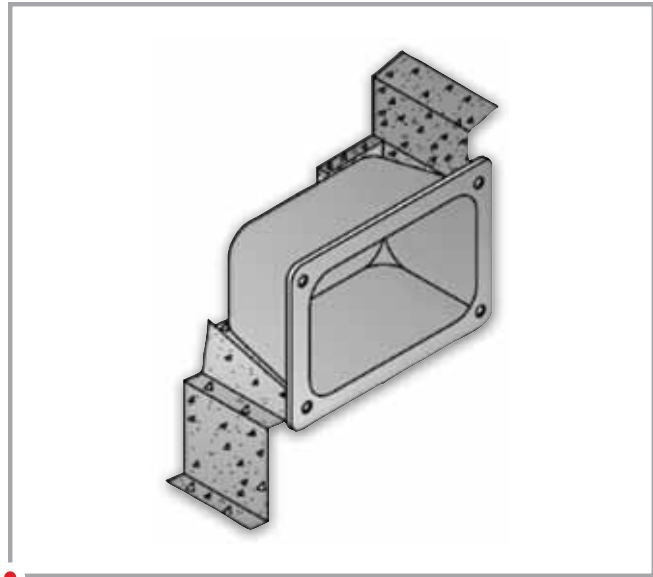
RS-2 SERIES

- Recessed Shelf
- Front Mounted



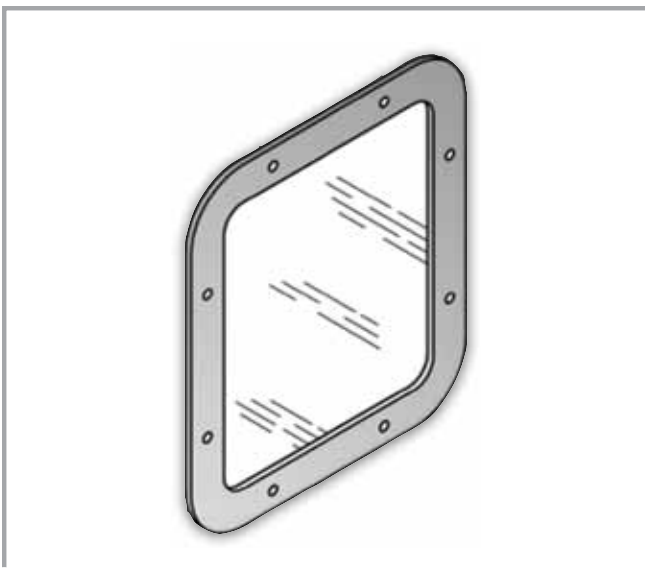
RSD-1 SERIES

- Recessed Soap Dish
- Rear Mounted



RSD-2 SERIES

- Recessed Soap Dish
- Front Mounted

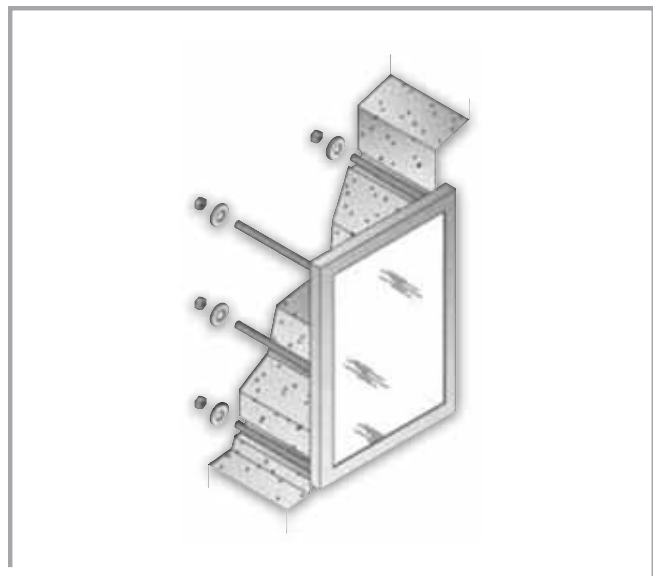


MR-1 SERIES

- 12" x 10.5"
- One-Piece Security Mirror
- Front Mounted

MR-2 SERIES

- 16.5" x 12.5"
- One-Piece Security Mirror
- Front Mounted



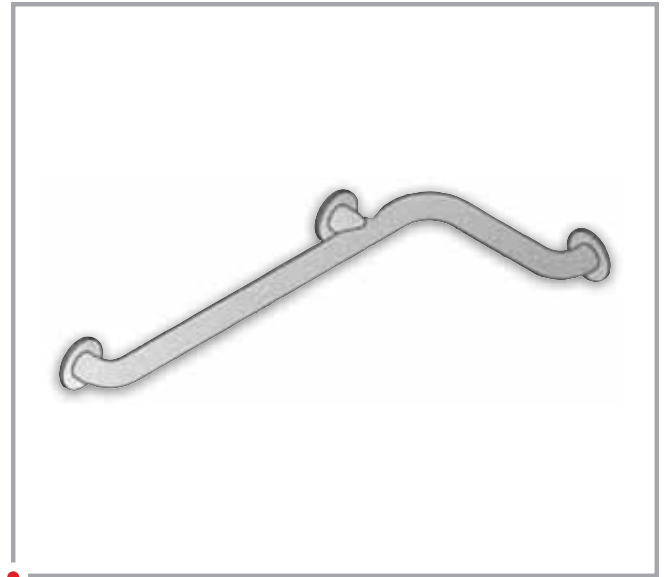
FMR-1

- 12" x 18"
- Framed Security Mirror
- Rear Mounted



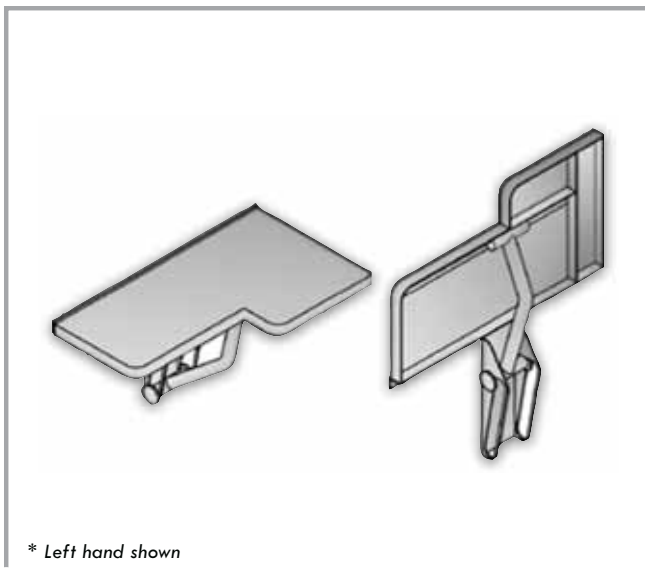
GB SERIES

- Grab Bar
- Lengths of 24", 36", 42" & 48"
- Available with Anti-suicide Plate



GB-3318

- L-shaped Grab Bar
- 33" x 18"
- Available with Anti-suicide Plate



* Left hand shown

FSS-R SERIES

- Folding Shower Seat
- Right Hand

FSS-L SERIES

- Folding Shower Seat
- Left Hand



TH-3 SERIES

- One Hook
- Front Mounted Release Towel Hooks

TH-4 SERIES

- Four Hooks
- Front Mounted Release Towel Hooks

VALVES



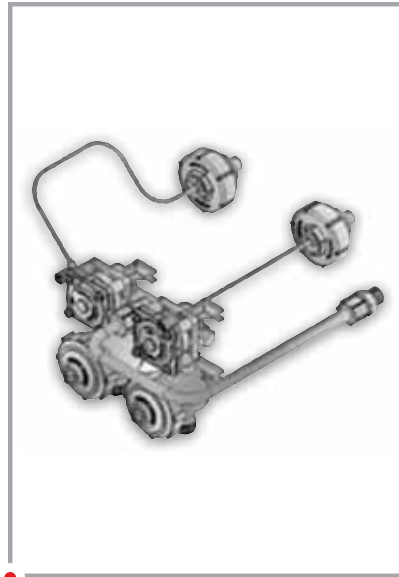
22

Willoughby offers a variety of pneumatic and electronic valves. All have machined stainless steel pushbuttons and escutcheons, including the piezoelectric actuators. Manifolding is available with some valves. Call a Willoughby sales representative today at 1-800-428-4065.



PML1

- Single Temperature
- Pneumatic Valve Assembly
- Pneumatic Push Button



PML2

- Dual Temperature
- Pneumatic Valve Assembly
- Pneumatic Push Button



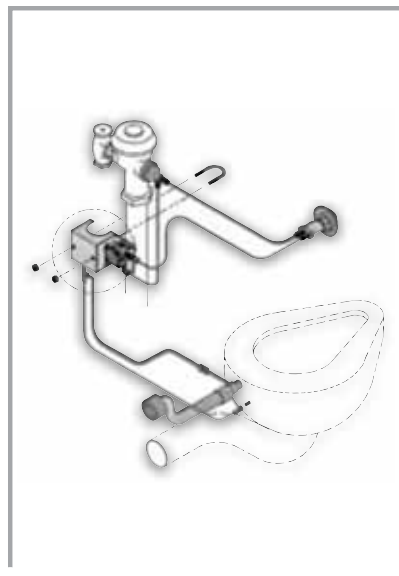
EL1

- Single Temperature
- Electronic Valve Assembly
- Electronic Push Button



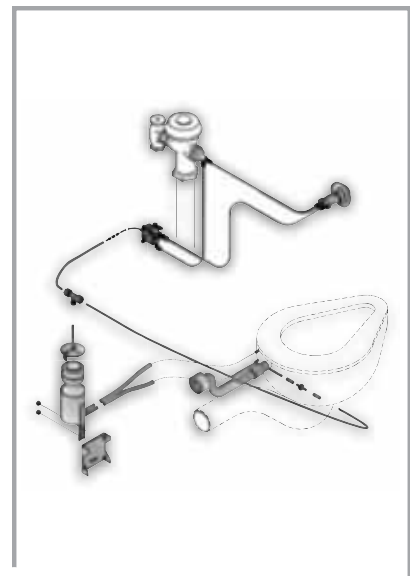
EL2

- Dual Temperature
- Electronic Valve Assembly
- Electronic Push Button



T4

- Toilet Overflow Preventer
- Manual Reset



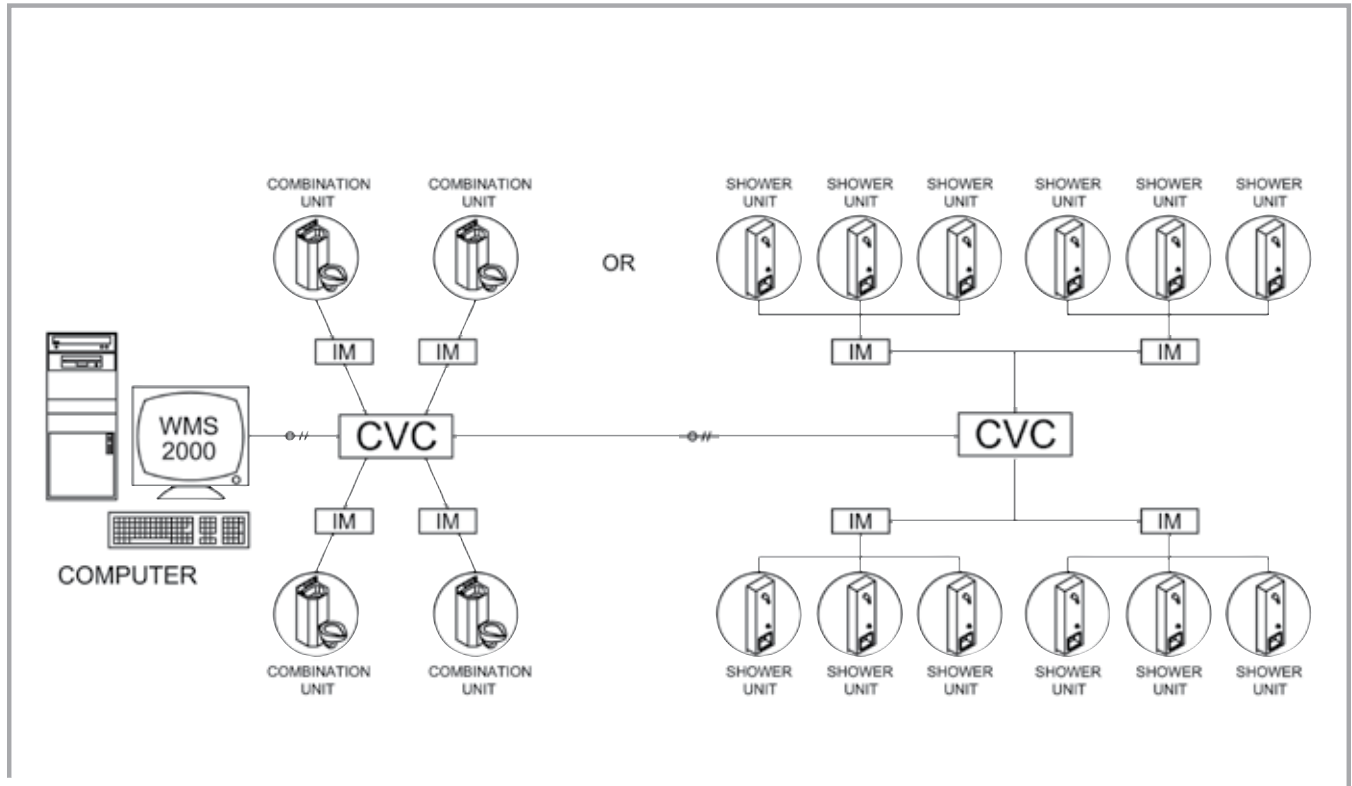
T4A

- Toilet Overflow Preventer
- Auto-Reset



Willoughby electronic systems function on 24V systems. WITS and WMS2000 are provided with stainless steel enclosures and a Lexan window for easy viewing of status and diagnostic LED lights. Call a Willoughby sales representative today at 1-800-428-4065.

WMS-2000 For Maximum Control and Conservation

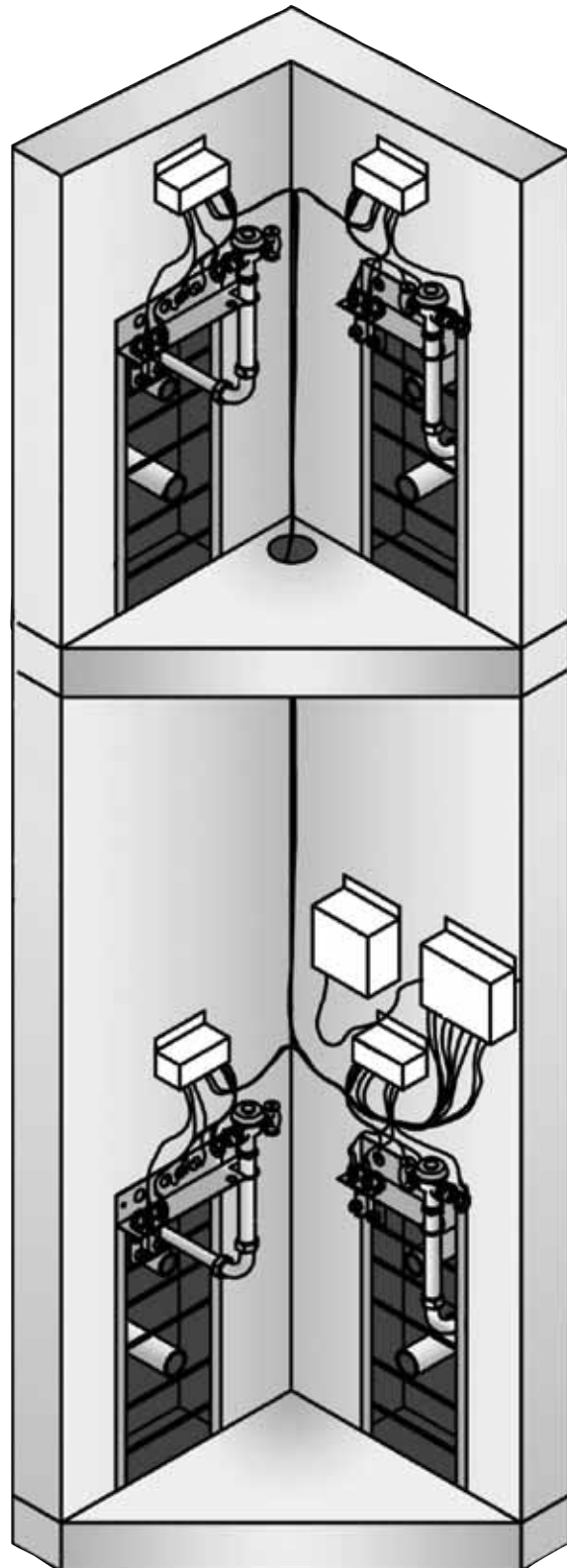


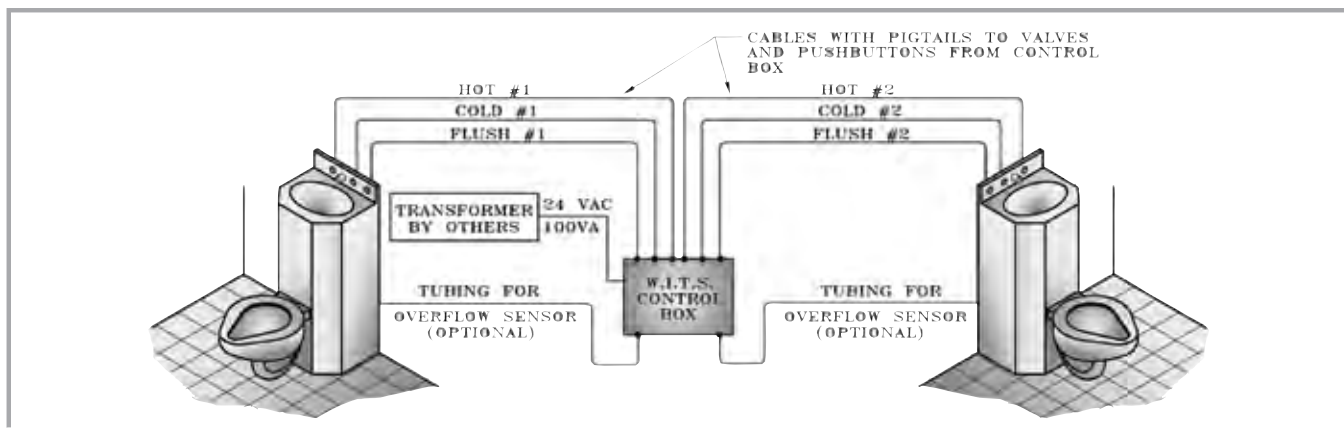
WMS-2000 (Water Management System)

- Great for centralized control (through a computer) of individual cell toilet and sink water usage or showers.
- Computer software functions in Windows XP or Windows NT environment.
- One PC computer can serve as operator interface serving up to eight individual trunks of up to (32) networked Cell Valve Controllers (CVC).
- Each CVC shall be capable of controlling up to (4) lavatory/toilet combination units (1 hot valve, 1 cold valve and 1 flush valve for each of the units), or four individual lavatories and toilets.
- Each CVC shall be capable of controlling up to (12) individual tempered water shower valves.
- Toilet overflow protection is available with the WMS-2000 system.
- Diagnostic lights are provided in the CVC and are easily viewed through a clear Lexan cover.
- Piezoelectric actuators require less than 5 lbs. of force to activate for handicap use.
- Optional touch-screen monitor is available.
- In the event of a loss of network communications or a loss of power, system timing parameters shall be retained in memory of each CVC to allow fixtures to operate in the same way they were operating prior to the loss of power or the loss of network communications.
- Valve run times for each lavatory valve adjustable 1 second to 60 seconds, for each flush valve 1 second to 10 seconds and for each shower valve, 1 second to 9 minutes and 59 seconds.

The WMS-2000 network system shall be capable of:

- Enabling or disabling an individual fixture or an entire group of fixtures from the control station.
- Controlling the maximum number of simultaneous flushes (adjustable from 1-999) that can occur within a given time period (adjustable from 1-60 seconds).
- Automatically flushing a toilet after an adjustable period of non-use has passed to prevent the trap from drying out and stagnet water.
- Logging all valve activity chronologically. This will include all overflow or alarm conditions.
- Allowing for a remote flush from the control station.
- Allowing for valve timing changes to be made from the control station.
- Providing a scheduled lockout of selected fixtures
- Providing a interflush delay of up to 10 minutes
- Providing an overuse alarm at the control station for a given number of valve actuations in a given time period
- Providing three levels of security: operator, supervisor, and builder.
 - Operator Security Level
 - Remote Flush
 - Lockout fixtures
 - Reset Fixtures
 - Reset alarms
 - Supervisor Security Level
 - All of the above plus the following
 - Set Supervisor password
 - Adjust valve timing
 - Set and adjust scheduled lockouts
 - Electronically disconnect fixtures
 - Set alarm display options
 - Set overuse alarm parameters
 - Turn on and set simultaneous flush guard
 - Turn on activity log function
 - Assign sound effects
 - Builder Security Level
 - All of the above plus the following
 - Set Builder password
 - Set communication settings
 - Place bitmap floor plans
 - Add and remove navigation regions
 - Insert, set, and adjust fixtures



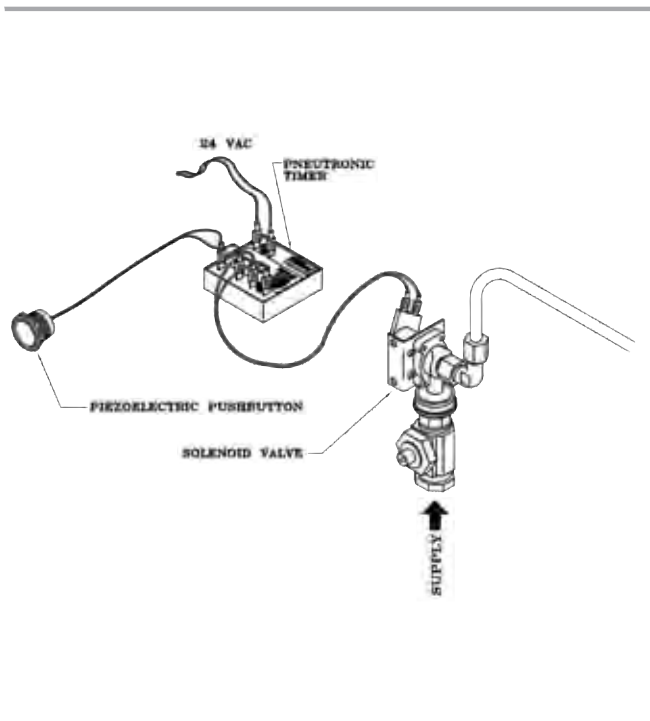


WITS (*Willoughby Individual Timing System*)

- Great for electronic control of (2) tempered water valves, (2) cold water lavatory valves and (2) flush valves or (6) tempered water shower valves
- Timing is adjustable from 2 seconds to 100 seconds.
- Metering cycle can be interrupted by second press of pushbutton
- Based on solid stainless steel enclosure with Lexan front timing box can be installed as is in plumbing pipe chase
- Vandal resistant stainless steel pushbutton is waterproof and requires less than 5 pounds of force to activate
- Runs on 24 VAC low voltage power
- Timing box can be installed up to 50 feet from valves and up to 200 feet from pushbuttons
- Toilet overflow protection is available when used with toilets manufactured with overflow prevention option
- The system shall include an adjustable (0 to 10 minutes) re-initiate delay for toilet operation.

PNEUTRONIC TIMER (*All purpose valve controller*)

- Great for economical, precise valve run time for one electronic solenoid valve, for lavatory valve, flush valve or shower valve
- Timing is adjustable from 1 second to 255 seconds in 1 second increments
- Metering cycle can be interrupted by second press of pushbutton
- Based on potted design, timer can be installed as is in plumbing pipe chase
- Vandal resistant stainless steel pushbutton is waterproof and requires less than 5 pounds of force to activate
- Runs on 24 VAC low voltage power
- Timer can be installed up to 50 feet from valve and up to 200 feet from pushbutton



ANTI-SUICIDE FIXTURES



Willoughby anti-suicide fixtures are fabricated from heavy gauge, type 304 stainless steel with all-welded construction and exposed stainless surfaces polished to a satin finish. Call a Willoughby sales representative today at 1-800-428-4065.



1806 SERIES

- Combination Lavatory and Toilet
- 18" Wide
- Rear Mounted
- Anti-suicide



ASHS-1013-06-FA

- Lavatory
- 18" Wide
- Front Mounted
- Anti-suicide



ASCWSMS

- Single Station Wall Shower
- Front Mounted
- Anti-suicide



ASGB SERIES

- Grab Bar
- Lengths of 24", 36", 42", 48", and 33"x18" L-shaped.
- Includes Anti-suicide Plate



WILLOUGHBY

COUNT ON US.

Thank you for considering Willoughby products. With over sixty years in business, our focus rests solely on providing the finest commercial plumbing products and service available in the industry. We are proud of the fact that our products are manufactured in the U.S.A. and sold throughout the world.

Our two Indianapolis, Indiana manufacturing facilities employ craftspeople that are committed to the research, design and production of stainless steel and solid surface plumbing fixtures and accessories of the highest quality.

As you consider the selection and use of fixtures and/or accessories for your next project, we respectfully ask for your business. You can COUNT ON US to meet and exceed your expectations.



© 2010 Willoughby Industries Inc.