



# WILLOUGHBY

COUNT ON US.



## SECURITY PRODUCT GUIDE

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PLUMBING FIXTURES & ACCESSORIES




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Security Product Guide: Plumbing Fixtures & Accessories




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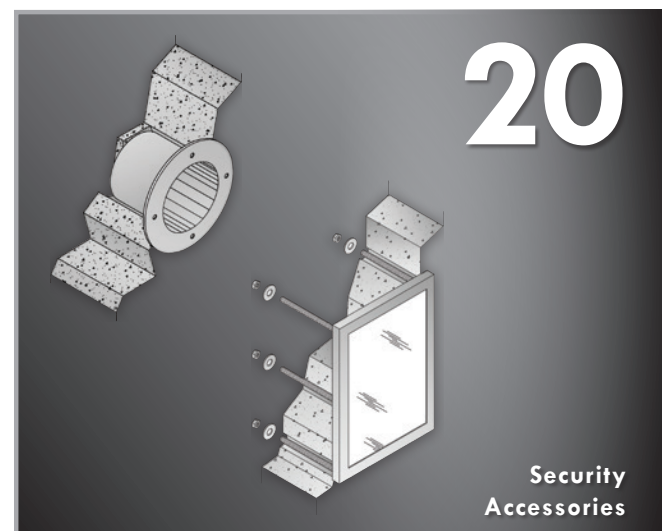
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## CERTIFICATIONS



## COMBINATION UNITS



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



**3696 FA SERIES**

- 36" Wide
- Offset Toilet Bowl
- Offset Lavatory Bowl
- Front Access
- ADA



**3696 SERIES**

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



**ECW-1546-350 SERIES**

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

**ECW-1546-150 SERIES**

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

**ECF-1546-150 SERIES**

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

## Built to Last, In America

Willoughby Industries has manufactured commercial grade stainless steel and solid surface plumbing products for more than 65 years. Our focus is supplying the commercial, healthcare, recreational, and security industries with plumbing products of uncommon quality and durability. All of our plumbing products are American-made in our new 250,000 square foot manufacturing facility in Indianapolis, Indiana.



# WILLOUGHBY

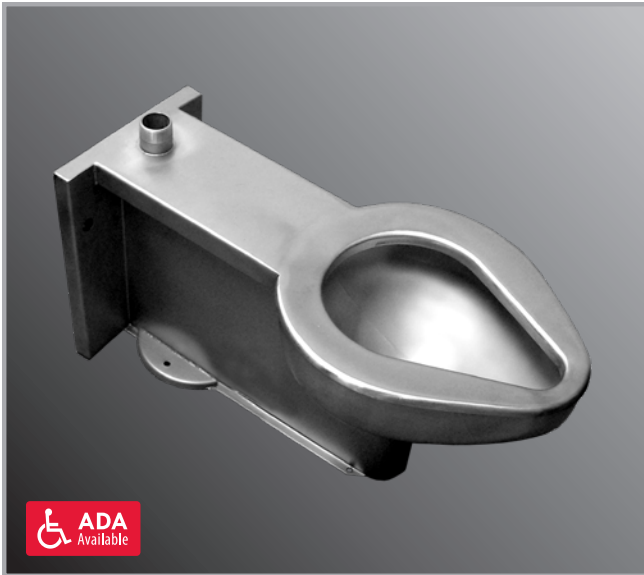
COUNT ON US.

# TOILETS



07

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.



## ETF-1490-FM-10"-FA

- 10" Rough Floor Outlet
- Siphon Jet Flush
- Floor Mounted
- Front Mounted



## ETF-1490-FM-12"-FA

- 12" Rough Floor Outlet
- Siphon Jet Flush
- Floor Mounted
- Front Mounted

## ETF-1490-FM

- Siphon Jet Flush
- 4.25" Rough Floor Outlet
- Outlet
- Rear Mounted
- Floor Mounted



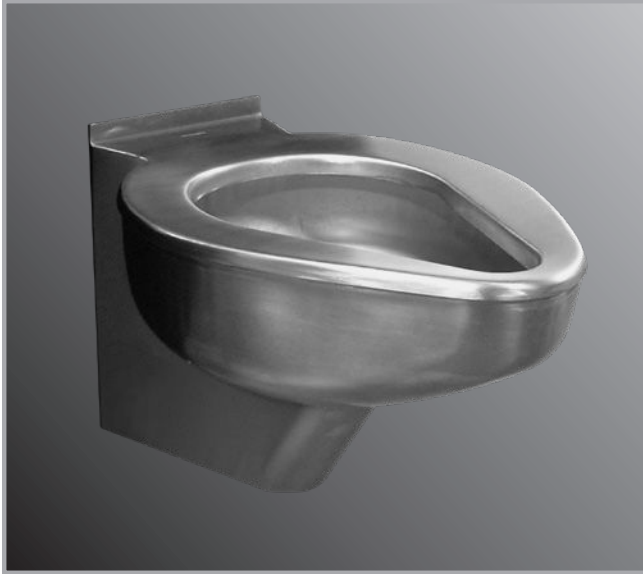
## ETF-1490-FM-FA

- Siphon Jet Flush
- 4.25" Rough Floor Outlet
- Floor Mounted
- Front Mounted



## ETF-1490-OW

- Siphon Jet Flush
- Floor Mounted
- Off-wall Mounted
- Floor Outlet

**LFCETW-1490-OF-BS**

- Blowout Flush
- Off-floor Mounted
- China Alternative
- Rear Mounted
- Wall Outlet

**ETW-1490-ES**

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

**ETW-1490-CM**

- 3-Bolt Carrier Mounted
- Blowout Flush
- Direct China Replacement

**ETWS-1490-CM**

- 4-Bolt Carrier Mounted
- Siphon Jet Flush
- Direct China Replacement





**ETW-1490-FM-FA**

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



**ETWS-1490-FM-FA**

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

**ETW-1490-FM**

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

**ETWS-1490-FM**

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



**ETW-1490-OF**

- Blowout Flush
- Off-floor Mounted
- Rear Mounted
- Wall Outlet

**ETWS-1490-OF**

- Siphon Jet Flush
- Off-floor Mounted
- Rear Mounted
- Wall Outlet



**FD-1400**

- In-floor Mounted
- Detox Toilet



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
- Rear Mounted
- Stainless Steel Deckspout
- ADA



#### HS-1310-96-HC

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



**HS-1013-46**

- 18" Wide
- Rear Mounted



**HS-1013-46-HC**

- 18" Wide
- Rear Mounted
- ADA



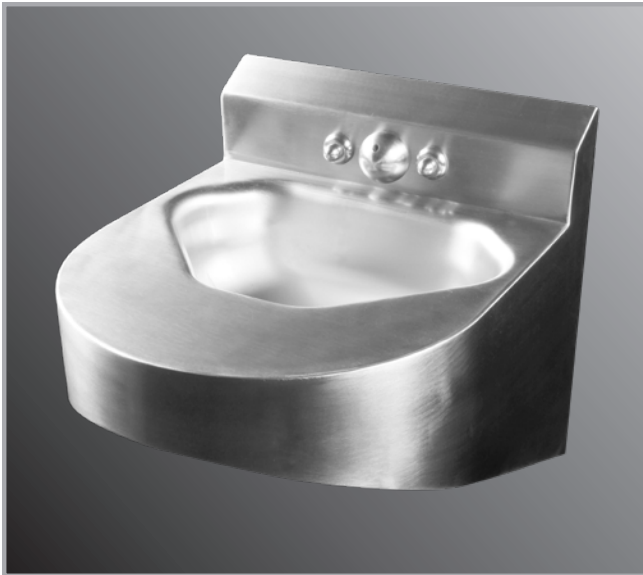
**HS-1013-46-HC-FA**

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



**HS-1013-46-15**

- 15" Wide
- Compact
- Rear Mounted

**ASHS-1013-06-HC**

- 15" Wide
- Anti-Suicide
- Rear Access

**ASHS-1013-06-HC-FA**

- 15" Wide
- Anti-Suicide
- Front Access

**CS-1013-46**

- 15" Wide
- Corner Configuration
- Rear Mounted

**HS-1013-46-R**

- 18" Wide
- China Replacement
- 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.



## ES-1015-HC SERIES

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



## CWLDR SERIES

- Lavatory Deck
- Front Mounted
- ADA



## CWMS SERIES

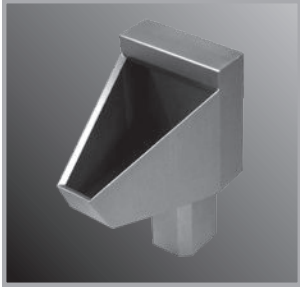
- Mop Sink



## CWLD SERIES

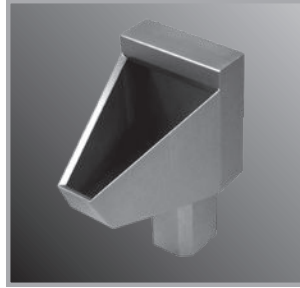
- 1, 2, 3, or 4 Station Lavatory Deck
- ADA





#### 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



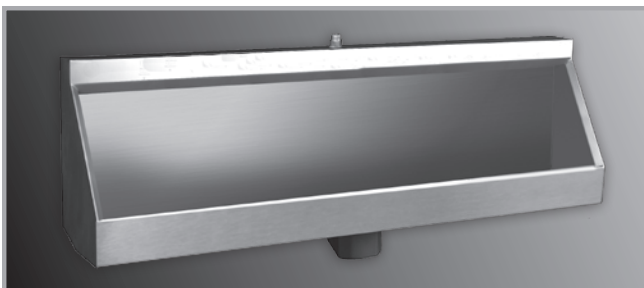
#### UW-1814-BJ SERIES

- Blowout
- Single Person Trough
- Rear Mounted



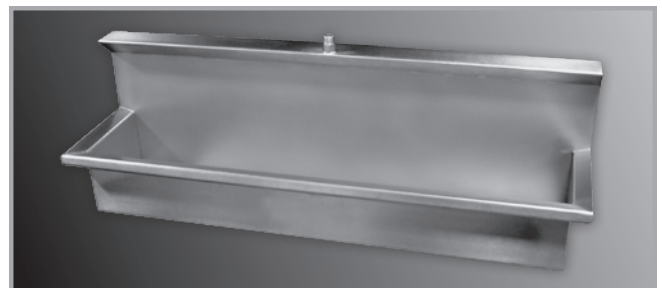
#### UW-1814-WO-FA SERIES

- 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.

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## DF-1013-96

- 18" Wide
- Rear Mounted



## DF-1013-96-FA

- 18" Wide
- Front Mounted
- Removable Bottom



## DF-1015-96-HC

- 18" Wide
- Rear Mounted
- ADA



## DF-1015-96-HC-FA

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



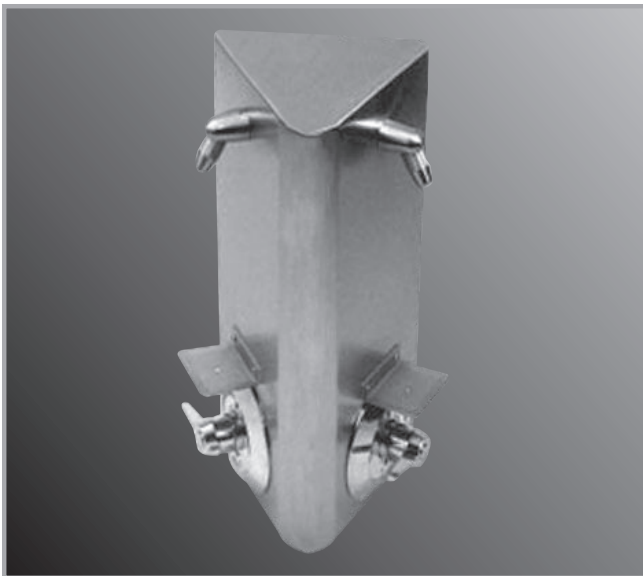
#### **CWKS SERIES**

- Corner Configuration
- Front Mounted



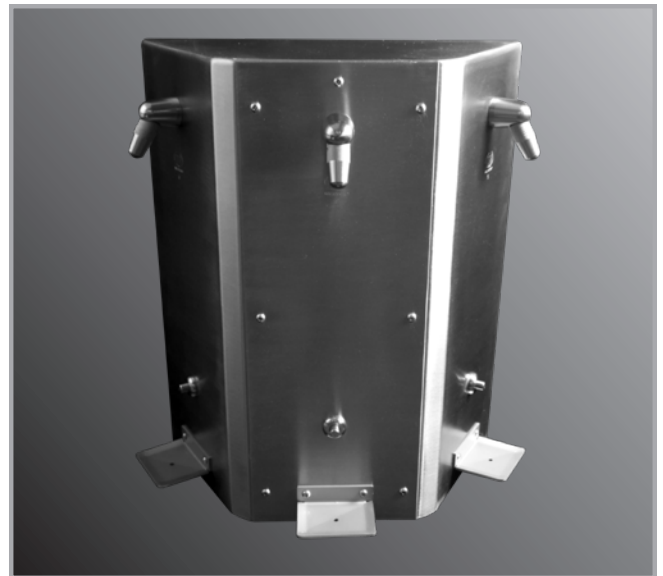
#### **CWSMS SERIES**

- 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
- Front Access



**US-HC SERIES**

- Unitized Cabinet Shower
- ADA

**KS-HC SERIES**

- Knockdown Cabinet Shower
- ADA



**US-FA SERIES**

- Unitized Cabinet Shower
- Front Access
- ADA

**KS-FA SERIES**

- Knockdown Cabinet Shower
- 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 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.

## ACCESSORIES



### 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



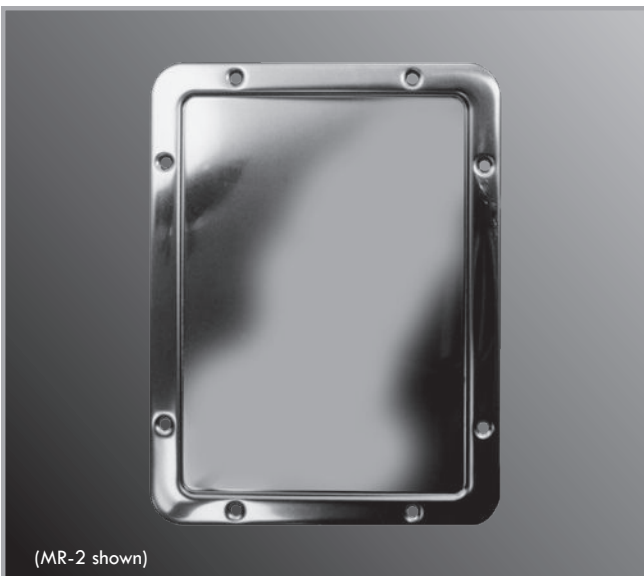
**RSD-1 SERIES**

- Recessed Soap Dish
- Rear Mounted



**RSD-2 SERIES**

- Recessed Soap Dish
- Front Mounted



(MR-2 shown)

**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
- Available with Anti-suicide Plate (shown)
- Lengths of 24", 36", 42" & 48"

**GB-3318**

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

**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



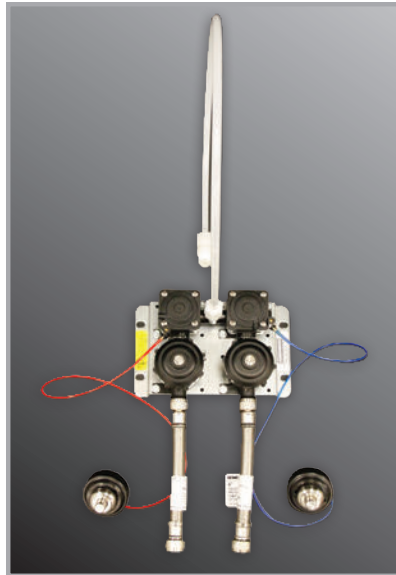
Willoughby offers a variety of pneumatic and electronic valves. All have machined stainless steel pushbuttons and escutcheons, including the piezoelectric actuators. Manifolding is available with some valves. Call a Willoughby sales representative today at 1-800-428-4065.

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## PML1

- Single Temperature
- Pneumatic Valve Assembly
- Pneumatic Push Button
- Lead free



## PML2

- Dual Temperature
- Pneumatic Valve Assembly
- Pneumatic Push Button
- Lead free



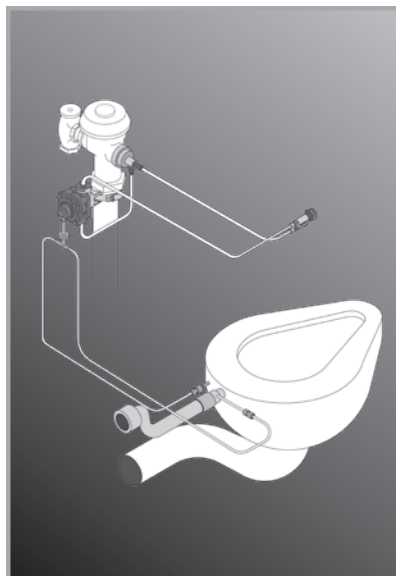
## E1L1

- Single Temperature
- Electronic Valve Assembly
- Electronic Push Button
- Lead free



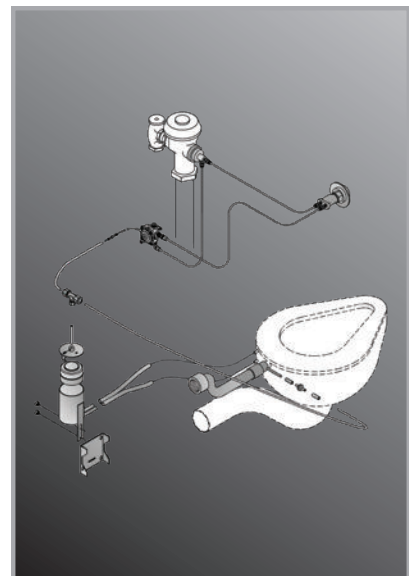
## E1L2

- Dual Temperature
- Electronic Valve Assembly
- Electronic Push Button
- Lead free



## T4

- Toilet Overflow Preventer
- Manual Reset



## T4A

- Toilet Overflow Preventer
- Auto-Reset

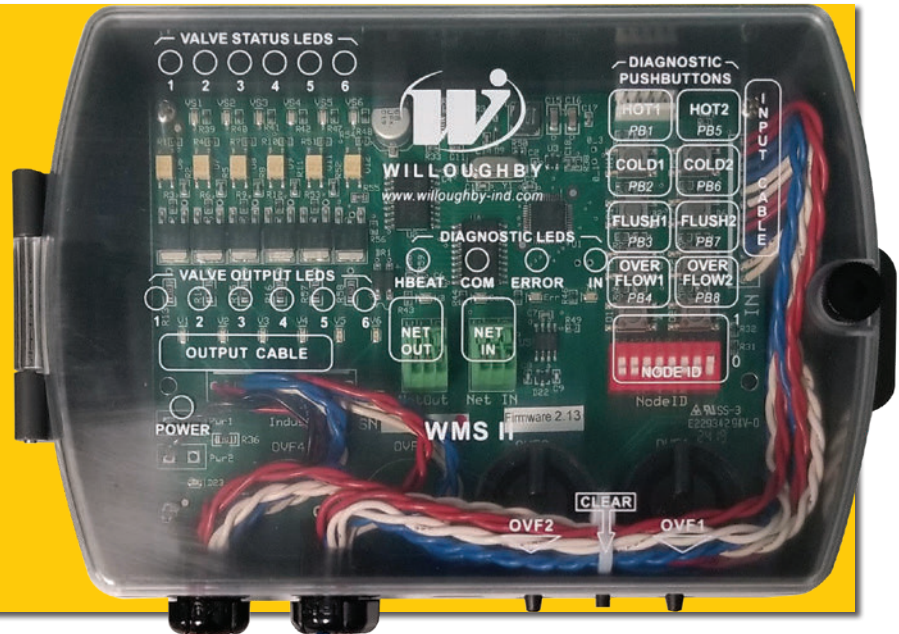




Willoughby electronic systems function on 24V systems. The WMS-II is provided with stainless steel enclosures and a Lexan window for easy viewing of status and diagnostic LED lights. For more information, call a Willoughby sales representative today at 1-800-428-4065.

Willoughby Cell Valve Controller (CVC)

## The Willoughby WMS II State-of-the-art Electronic Water Management System



The Willoughby WMS II Electronic Water Management System takes plumbing fixture water control from inmates and puts it back in the hands of prison officials while saving time, water, and money. The new WMS II system is the most technologically advanced in the industry today. After research with correctional facility professionals, Willoughby designed the system to:

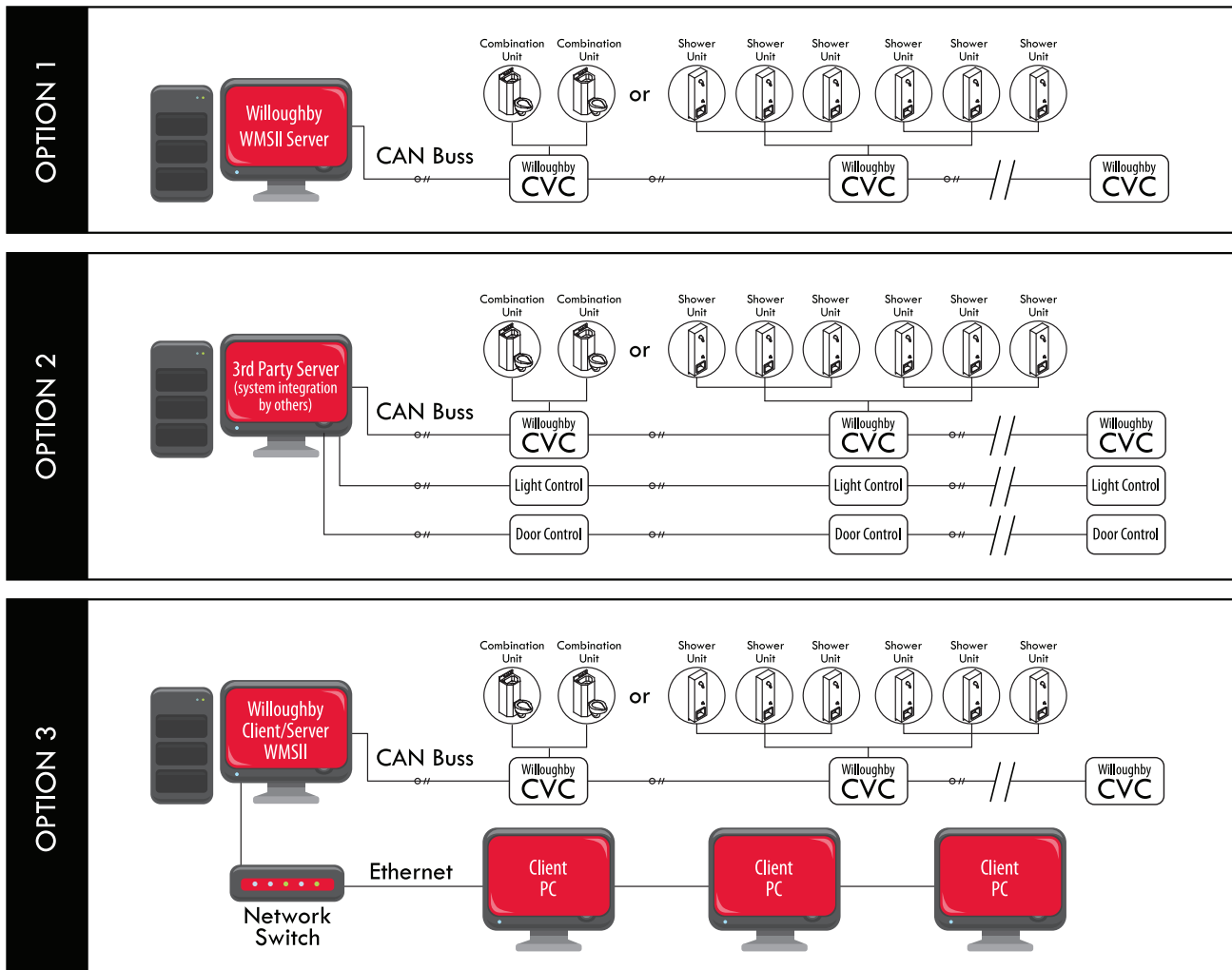
- reduce water usage** through fixed scheduling, dynamic usage, or cycle timing control
- reduce sewer bills** by reducing water usage
- control overall water usage**, including the ability to lockout toilets, sinks, and showers from a central PC and detect/prevent toilet overflows
- provide valuable fixture usage data** that can be imported into Excel for further analysis
- enable system troubleshooting** from the service chase with no need to enter the cell to actuate the fixture
- be simple to administrate** with an optional graphical floor plan including fixture control icons
- include over-current protection** on all outputs, virtually eliminating potential damage from installation errors
- allow one cell valve controller to control several different devices** (two standard combination units **or** four toilets with overflow detection **or** six toilets without overflow detection **or** six shower valves, with mixing of fixtures types also possible)
- be simple to install**, using common connectors and color-coded wiring
- be less costly to install, use and maintain**

**The net result can be a reduction in water and sewer usage of up to 50%**

The WMS II system requires only a standard 110V outlet in the mechanical chase and features an operator display with an optional facility-specific floor plan for simple administration. For new installations or retrofits of existing systems, visit [www.willoughby-ind.com](http://www.willoughby-ind.com) for all the details.

# WMS II

## For Maximum Control and Conservation

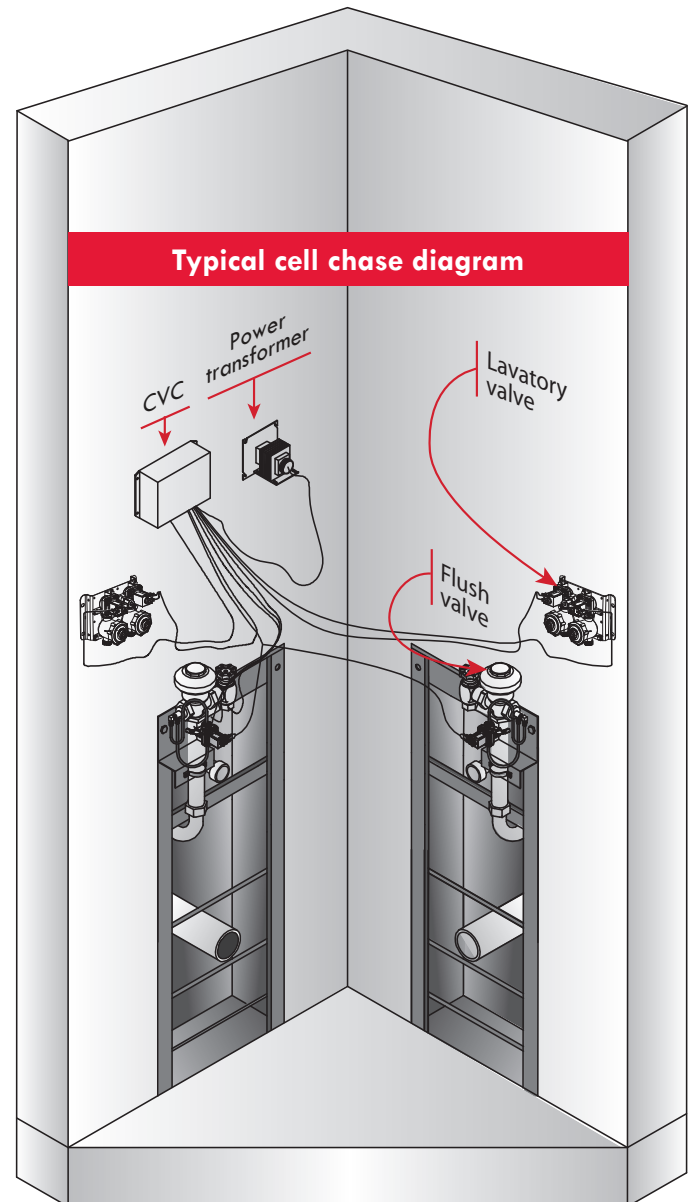


## WMS II Water Management System

- Created for control of plumbing fixtures in correctional facilities
- Offered in both networked (full control from a central server) and stand-alone versions (control pre-programmed into each individual CVC controller)
- Network CAN lines can include up to 127 CVCs connected together in series
- Toilet overflow protection is available with the WMS II system (requires compatible Willoughby toilet/combination unit)
- Diagnostic lights are provided in the CVC and are easily viewed through the transparent cover
- Pushbutton switches require less than 5 lbs. of force to activate (ADA requirement)
- Optional touch-screen monitor is available
- In the event of a loss of network communications or loss of power, controllers will retain system timing parameters in memory 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 are adjustable (1–60 seconds for lavatory valves, 1 second– 9 minutes and 59 seconds for shower valves)

## The WMS II system is capable of:

- Enabling or disabling an individual fixture or an entire group of fixtures from an operator work 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 water stagnating
- Logging all valve activity, including all overflow and alarm conditions
- Allowing for a remote flush from an operator work station
- Allowing for valve timing changes to be made from an operator work station
- Providing schedule use periods of selected fixtures
- Providing an interflush delay of up to four hours after a specified number of flushes in a given period of time
- Providing overuse control to set the maximum on time of any fixture function within a defined time period up to one day (24 hours)
- Providing options of how overuse will be handled:
  - only operator notification
  - fixture function lockout requiring operator intervention
  - auto-lockout of fixture function requiring sufficient time period to elapse until fixture comes out of overuse condition
- Providing three levels of operational security with privileges for each level as follows:
  - 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 use periods
      - Set overuse parameters & system response to overuse
      - Enable and set parameter of flush guard
      - Turn on activity logging
      - Enable and assign sound effects
  - Builder Security Level
    - All of the above plus the following:
      - Set builder password
      - Set communication settings
      - Place bit map floor plans or screens
      - Insert, set, and adjust fixtures
      - Delete fixtures



# 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.

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## 1806 SERIES

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



## ASHS-1013-06

- Lavatory
- 18" Wide
- Rear 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 products manufactured by Willoughby Industries!

Since our opening in 1947, Willoughby's sole focus has been to provide the finest products in the industry. While our company shifted from sheet metal production to the manufacture of commercial plumbing products decades ago, our focus has never wavered.

Willoughby builds all of our products in Indianapolis, Indiana, USA, and—except for a few components—we fabricate all aspects of our products in-house before shipping them across the world. Thanks to the commitment of our craftspeople to the research, design, and production of stainless steel and solid surface plumbing products, we manufacture products of the highest quality.

As you consider the selection and use of commercial plumbing fixtures and accessories for your next project, Willoughby respectfully asks for your business. Being a third-generation family-owned business, you can COUNT ON US to meet and exceed your expectations!



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[www.willoughby-ind.com](http://www.willoughby-ind.com)

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