



## Penal-Ware® 1418LMB Series 18" Lav-Toilet Comby with Lavatory Multi-Sided Bowl



1418-LMB-CTL-2-BP-04-FV-PHLF

1418-LMB-AL-2-BP-04-FV-PHC



Fixture May Show Some Available Options

Please visit [www.acorneng.com](http://www.acorneng.com) for most current specifications.

### 18" Lav-Toilet Comby with Lavatory Multi-Sided Bowl

**Fixture** is arranged to be installed on finished wall and serviced from an accessible pipe chase. Optional Wall Sleeve or Metal Template is recommended for all installations for required wall openings. Fixture is fabricated from 14 gage, type 304 stainless steel cabinet and toilet bowl and is seamless welded construction with a satin finish. The inside of the toilet bowl also has a satin finish. Cabinet interior is sound-deadened with fire-resistant material. There are no accessible voids or crevices where contraband can be concealed.

**Lavatory Multi-Sided Bowl** is 12-3/4" x 8-1/4" x 5" deep. Standard elbow waste outlet is 1-1/2" O.D. plain end.

**Optional Valve** may be an Air-Control pneumatically operated, pushbutton valve using atmospheric air. Pushbutton is vandal-resistant and requires less than 5 pounds to activate valve. Valve is direct acting, non-metering type and is optionally available as metering with non-hold open feature. Metering valve timing is adjustable from 5 to 60 seconds. Valve includes a 0.5 GPM flow control and can be remotely located up to 10 feet from the operating pushbutton. Valve and bubbler to conform with lead free requirements for NSF61, section 9 and CHSC 116875.

**Toilet** is blowout jet type with elongated bowl manufactured to ASME A112.19.3 and CSA B45.4 requirements will flush with a minimum of 25 PSI flow pressure when used in conjunction with a minimum of 1.28 GPF. Trap has a minimum of 3-1/2" seal and will pass a 2-1/8" ball. Toilet waste outlet is 2-3/8" diameter plain end extending 3" beyond the fixture for wall outlet or Gasketed Waste for floor outlet.

**Regularly Furnished** items include a fast drain, an integral self-draining soap dish, and mounting hardware.

#### GUIDE SPECIFICATION

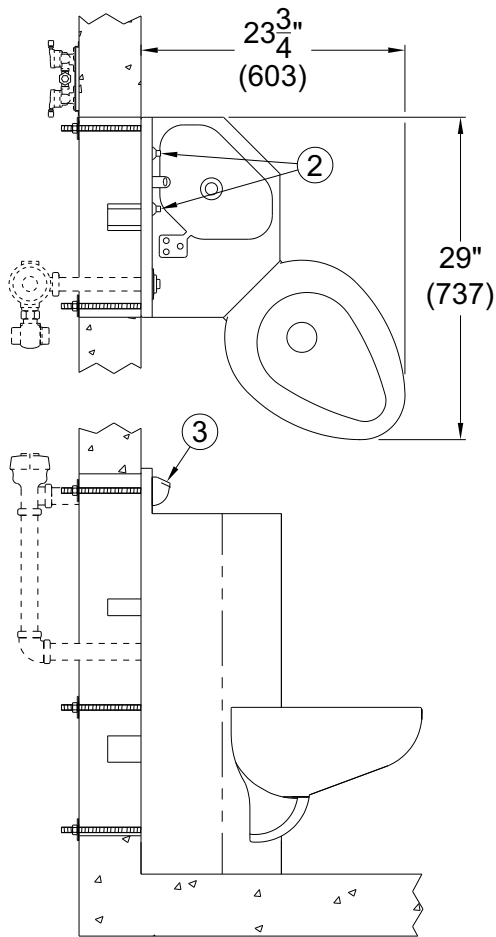
Provide and install Acorn Penal-Ware 18" wide Lav-Toilet Comby (specify model number and options). Fixture shall be fabricated from type 304 stainless steel. Construction shall be seamless welded and exposed surfaces shall have a satin finish. Countertop shall have an air-circulating, self-draining soap dish. Provide Air-Control pneumatically operated pushbutton valve. Valve and bubbler to conform with lead free requirements for NSF61, section 9 and CHSC 116875. Toilet shall be concealed blowout jet type with an elongated bowl, a self-draining flushing rim, and an integral contoured seat. Toilet shall meet ASME A112.19.3 and CSA B45.4 requirements and will flush with a minimum of 25 PSI flow pressure when used in conjunction with a minimum of 1.28 GPF. Toilet trap shall have a minimum 3-1/2" seal that shall pass a 2-1/8" diameter ball and be fully enclosed. Cabinet interior is sound-deadened with fire-resistant material. Fixture shall withstand loadings of 5,000 pounds without permanent damage. Fixture shall be furnished with necessary fasteners for proper installation.



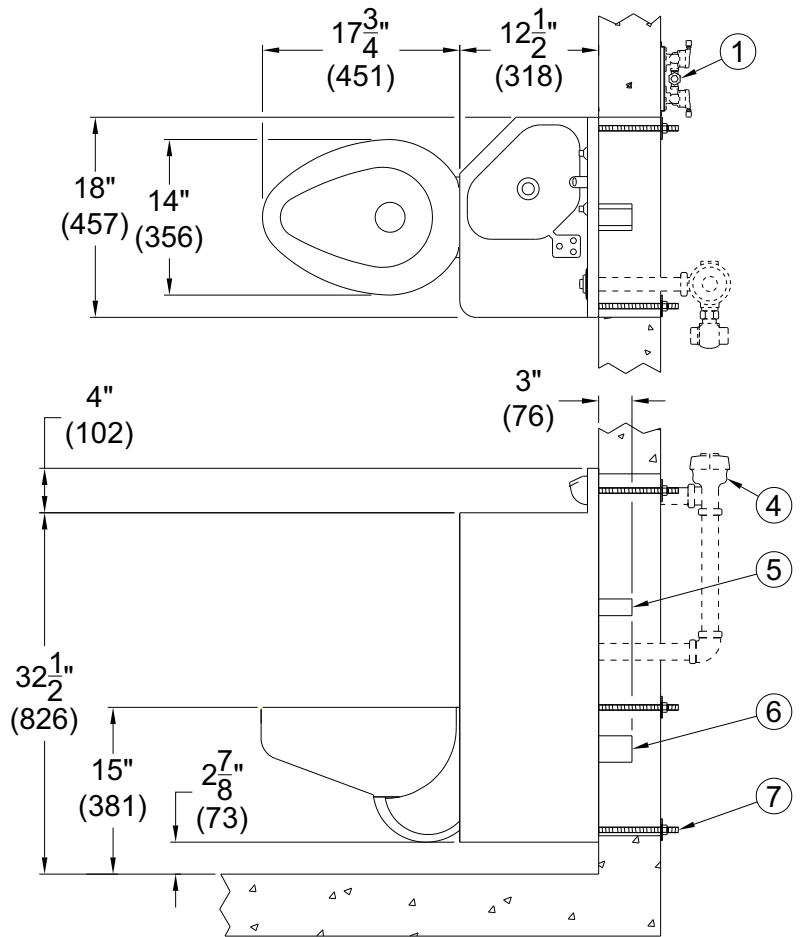
**NOTES:**

1. -04 Hot & Cold Air-Control Valve Shown
2. Lavy Valve Pushbuttons
3. Lavy -BP Penal Bubbler Shown

4. Optional -FV Flush Valve Shown
5. Lavy Waste Outlet
6. Toilet Waste Outlet
7. Wall Mounting Hardware



1418LMB-AL-2-BP-04 SHOWN (-AR OPPOSITE)



1418LMB-CT-1-BP-04

# Penal-Ware® 1418LMB: 18" Lav-Toilet Comby with Lavatory Multi-Sided Bowl



## WALL THICKNESS AND TYPE (Must Specify)

Thickness: \_\_\_\_\_ Type: ☐ Concrete ☐ Block ☐ Steel

## MODEL AND OPTIONS SELECTION:

### BASE MODEL NUMBER

☒ 1418LMB 18" Lav-Toilet Comby - Multi-Sided Bowl

### TOILET ORIENTATION (Must Specify)

- ☐ -AL Angled Left
- ☐ -AR Angled Right
- ☐ -CTL Centered Toilet - Left Hand Lavy
- ☐ -CTR Centered Toilet - Right Hand Lavy

### FIXTURE MOUNTING AND WASTE (Must Specify)

- ☐ -1 Off-Floor, Wall Outlet
- ☐ -2 On-Floor, Wall Outlet
- ☐ -3 On-Floor, Floor Outlet

### BUBBLER SELECTION (Must Specify)

- ☐ -BC Bubbler, Code
- ☐ -BP Bubbler, Penal
- ☐ -BPH Bubbler, Penal Hemispherical
- ☐ -LF Lav-Filler

### VALVE SELECTION (Must Specify)

#### Air-Control (Pneumatic)

- ☐ -03 Single Temp, Non-Metering
- ☐ -03-M Single Temp, Metering
- ☐ -04 Hot & Cold, Non-Metering
- ☐ -04-M Hot & Cold, Metering
- ☐ -04-MH Hot & Cold, Metering Hot Side Only

#### Master-Trol® (Electronic)

- ☐ -EVS1 Single Temp
- ☐ -EVS2 Hot & Cold
- ☐ -EVSP1 Single Temp, Piezo Button
- ☐ -EVSP2 Hot & Cold, Piezo Buttons

#### Master-Trol® PLUS (Electronic)

- ☐ -MTP2 Hot & Cold
- ☐ -MTPP1 Single Temp, Piezo Button
- ☐ -MTPP2 Hot & Cold, Piezo Buttons

#### -MTP VALVE OPTION

- ☐ -PFB Power Failure Bypass (Provides drinking water in the event of power failure)

#### Time-Trol® (Electronic)

- ☐ -MVC1 Single Temp
- ☐ -MVC1-BAT Single Temp Battery Powered (Batteries Not Included)
- ☐ -MVC2 Hot & Cold
- ☐ -MVC2-BAT Hot & Cold Battery Powered (Batteries Not Included)

#### Programmable (Electronic) w/9VDC Plug-In Transformer

- ☐ -PPZ1 Single Temp Programmable Piezo Button
- ☐ -PPZ2 Hot & Cold Programmable Piezo Button

#### Valve By Others

- ☐ -9 Punched for Valve by Others

### VALVE OPTIONS

- ☐ -BRS Brass Body Valve
- ☐ -CI Cycle Interrupt for Time-Trol® Valves
- ☐ -PBH Hemispherical Pushbutton
- ☐ -PBP Pushrod Activated Pushbutton
- ☐ -TF Transformer, 120VAC to 24VAC (-MVC option only)

## FLUSH VALVE GPF's (Must Specify)

- ☐ -1.28 GPF (HET)
- ☐ -1.6 GPF (Not Available in California)
- ☐ -3.5 GPF (Not Available in California)

## FLUSH VALVE OPTIONS (Must Specify)

- ☐ -EVSFV Master-Trol® Electronic Flush Valve
- ☐ -EVSPFV Master-Trol® Electronic Flush Valve w/ Piezo Button
- ☐ -FV Flush Valve, Mechanical
- ☐ -FVBO Flush Valve by Others
- ☐ -FVH Flush Valve, Hydraulic
- ☐ -MTPFV Master-Trol® PLUS Electronic Flush Valve
- ☐ -MTPPFV Master-Trol® PLUS Electronic Flush Valve w/ Piezo Button
- ☐ -MVCFV Time-Trol® Electronic Flush Valve

## CABINET OPTIONS

- ☐ -FMT Fixture Mounted Trim
- ☐ -IS Integral Shelf
- ☐ -PH Paper Holder ☐ L ☐ R ☐ C ☐ LF ☐ RF
- ☐ -TB Toothbrush Holder ☐ Left ☐ Right
- ☐ -TG 12 Gage Cabinet
- ☐ -TH Towel Hook ☐ Single ☐ Double ☐ Left ☐ Right
- ☐ -VG1 Vent Grille, 5-3/4" x 8-3/4" ☐ L ☐ R ☐ LF ☐ RF
- ☐ -VG2 Vent Grille, 8-3/4" x 13" (Bottom Only)(-1 Only)

## LAVATORY WASTE OPTIONS

- ☐ -CW Combined Waste
- ☐ -LW1 Lavy Thru-Wall Extension with P-Trap
- ☐ -LWE Lavy Waste Extension (3" Standard)  
Specify Length Beyond Fixture: \_\_\_\_\_
- ☐ -OF Lavatory Overflow
- ☐ -PT 1-1/2" Removable P-Trap Waste

## TOILET OPTIONS

- ☐ -CO1 Cleanout w/ 2-3/8" OD O-Ring Connection to No-Hub 4" (Plain End Only, Not Applicable with GW or -3 Floor Outlet)
- ☐ -CO1-3 Cleanout w/ 2-3/8" OD O-Ring Connection to No-Hub 3" (Plain End Only, Not Applicable with GW or -3 Floor Outlet)
- ☐ -COH Cleanout Hook Assembly
- ☐ -FT Flood-Trol
- ☐ -FTA Flood-Trol, Auto-Reset
- ☐ -FTE Flood-Trol, Electronic
- ☐ -FVO Flush Valve Opposite In Lieu of Standard Location
- ☐ -FVT Flush Valve Thru Wall Connector
- ☐ -GW Gasketed Toilet Waste (Wall Outlet)
- ☐ -HPS High Polish Seat #7 Finish
- ☐ -HS Hinged Seat
- ☐ -PC Pinned Cleanout Plug (For -CO1 Options above)
- ☐ -SPS Ligature Resistant Skirt
- ☐ -TSC Toilet Shipping Cover
- ☐ -TWE Toilet Waste Extension (3" Standard)  
Specify Length Beyond Fixture: \_\_\_\_\_
- ☐ -WO3B 2-3/8" P-Trap w/ 3" Plain End Waste Outlet

## PRODUCT OPTIONS

- ☐ -EGE Enviro-Glaze Color Specify: \_\_\_\_\_  
Toilet Exterior Only
- ☐ -LPFV Less Punching for Flush Valve
- ☐ -MT Metal Template (Only 1 Required Per Project)
- ☐ -SW Wall Sleeve
- ☐ -VAC AcornVac System

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⚠ WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
**Important:** Installation instructions and current rough-in are furnished with each fixture. Do not rough in without certified dimensions.

Dimensions are subject to manufacturer's tolerance of plus or minus 1/4" and change without notice. Acorn assumes no responsibility for use of void or superseded data. © Copyright 2009 Acorn Engineering Company

### Selection Summary

Model No. & Option \_\_\_\_\_  
Quantity \_\_\_\_\_

### Approved for Manufacturing

Company \_\_\_\_\_ Title \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_