Penal-Ware® 1420 Series
20" Lav-Toilet Comby with Lavatory Oval Bowl

1420-LO-2-BP-04-FV-PHF   1420-AL-2-BP-04-FV-PHF

Fixture May Show Some Available Options

Please visit **www.acorneng.com** for most current specifications.

20" Lav-Toilet Comby with Lavatory Oval 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 Oval Bowl is 14-3/4" x 9-1/2" 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 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 and 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 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.
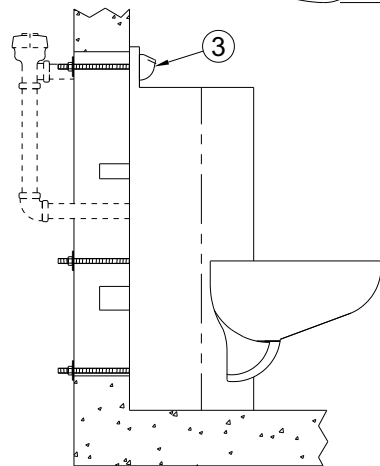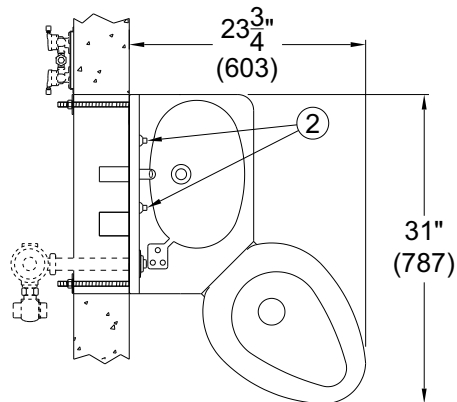
GUIDE SPECIFICATION

Provide and install Acorn Penal-Ware 20" 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. Counter top shall have an air-circulating, self-draining soap dish. Provide Air-Control pneumatically operated pushbutton valve. Valve and bubbler conform with lead-free requirements for NSF61, Section 9 and CHSC 116875. Toilet shall be 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.

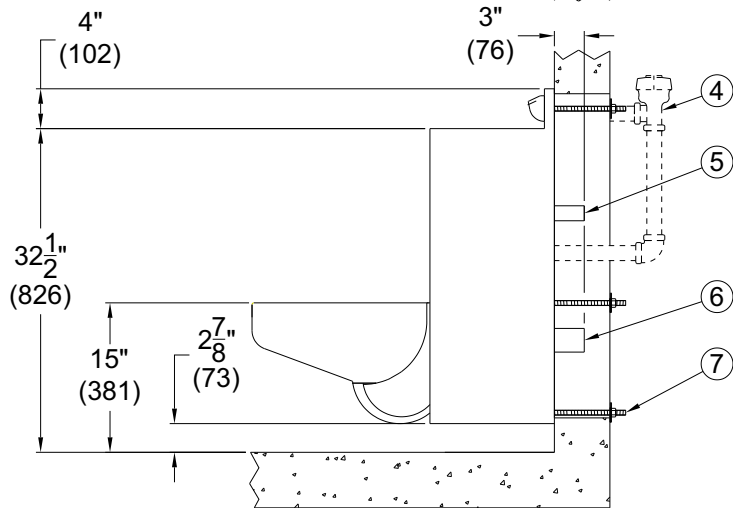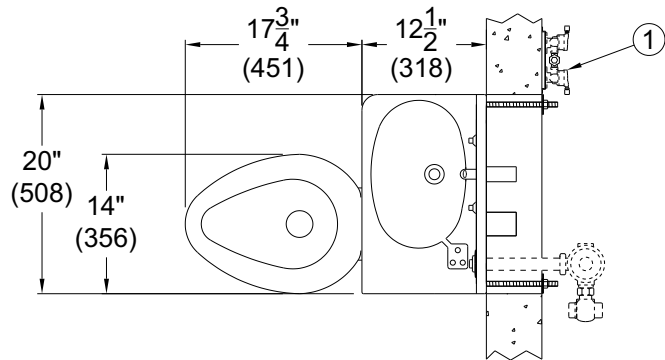# Penal-Ware® 1420: 20" Lav-Toilet Comby with Lavatory Oval Bowl

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

1420-AL-2-BP-04 SHOWN

1420-RO-1-BP-04 SHOWN (-LO OPPOSITE)

Penal-Ware® 1420: 20" Lav-Toilet Comby with Lavatory Oval Bowl

WALL THICKNESS AND TYPE (Must Specify)
Thickness: _____ Type: ❏ Concrete ❏ Block ❏ Steel

MODEL AND OPTIONS SELECTION:

BASE MODEL NUMBER
☑ 1420   20" Lav-Toilet Comby

TOILET ORIENTATION (Must Specify)
❏ -AL   Angled Left
❏ -AR   Angled Right
❏ -RO   Right Offset
❏ -LO   Left Offset

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)
❏ -MTP1   Single Temp
❏ -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
❏ -MA2   Manifolded, 2-Stack
❏ -MA3   Manifolded, 3-Stack (N/A with -PFB option)
❏ -MA4   Manifolded, 4-Stack (N/A with -PFB option)
❏ -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 ❏ F
❏ -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)
❏ -VG3   Vent Grille, 8-3/4" x 8-3/4" ❏ L ❏ R
❏ -VG4   Vent Grille, 8-3/4" x 17" (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 (Manual Reset)
❏ -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
❏ -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

Please visit **www.acorneng.com** for most current specifications.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Selection Summary	Approved for Manufacturing
Model No. & Option_____	Company_____Title_____
Quantity_____	Signature_____ Date_____

Acorn Engineering Company ● 15125 Proctor Avenue ● P.O. Box 3527 ● City of Industry, CA 91744-0527 U.S.A.
Tel: (800) 488-8999 ● (626) 336-4561 ● Fax: (626) 961-2200 ● www.acorneng.com ● E-mail: info@acorneng.com