Secur-Care® - Ligature Resistant LR1418 Series
18" Lav/Toilet - Ligature Resistant Comby with Lavatory Oval Shaped Bowl

LR1418-2-CT-04-FV-PHL

Fixture May Show Some Available Options

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

18" Lav/Toilet - Ligature Resistant Comby with Lavatory Oval Shaped Bowl

Fixture is arranged to be installed on finished wall and serviced from an accessible pipe chase. Fixture is fabricated from 14 gage type 304 stainless steel cabinet and toilet bowl, polished to a satin finish. The inside of the toilet bowl also has a satin finish. Cabinet interior is sound-deadened with fire-resistant material. Optional Wall Sleeve or Metal Template is recommended for all installations to provide required wall openings. Engineered to reduce possible risk of the fixture being used as a ligature device.

Lavatory Oval Shaped Bowl is 14-5/8" x 9-5/8" x 5" deep. Standard elbow waste outlet is 1-1/2" O.D. plain end.

Optional Valve may be an Air-Control pneumatically operated, hemispherical pushbutton valve using atmospheric air. Pushbutton 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 can be remotely located up to 10 feet from the operating pushbutton. Bubbler and valve pushbuttons are spherical type. Valve and bubbler conform with lead-free requirements for NSF61, section 9 and CHSC 116875.

Toilet is blowout jet type with ligature resistant elongated bowl manufactured to ASME A112.19.3 and CSA B45.4 requirements and will flush with a minimum of 25 PSI flow pressure. Trap has 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 and gasketed waste for floor outlet.

Regularly Furnished items include wall mounting hardware.
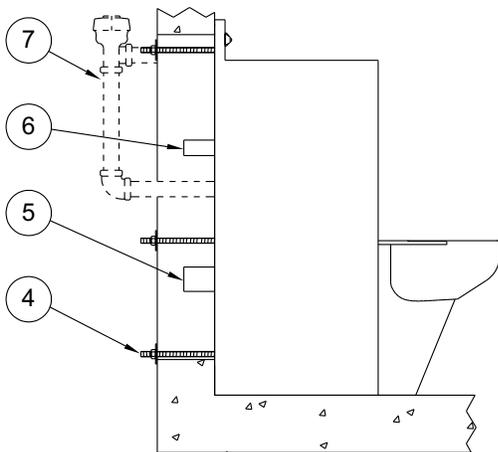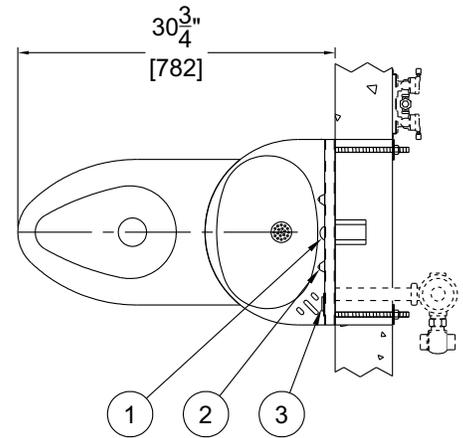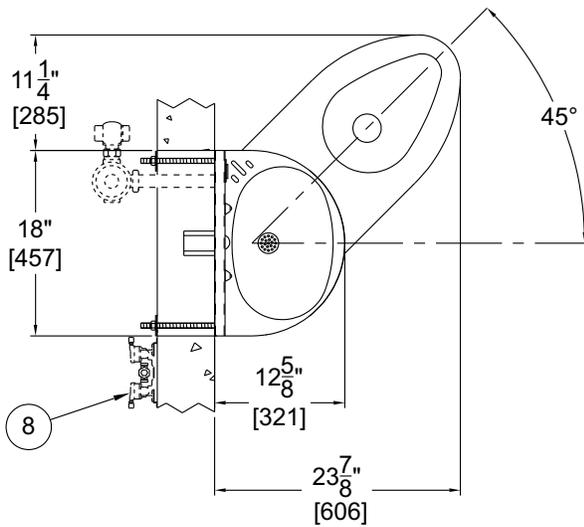
GUIDE SPECIFICATION

Provide and install Secur-Care® - Ligature Resistant 18" wide Lav/Toilet Comby (Specify model number and options). Provide hemispherical cabinet design to reduce risk of fixture being used as a ligature device. Fixture shall be fabricated from type 304 stainless steel. Construction shall be seamless welded and exposed surfaces shall have a satin finish. Provide oval shaped lavatory bowl. Fixture shall have an Air-Control pneumatically operated, pushbutton valve. Valve shall require less than 5 pounds to activate. Valve and bubbler conform with lead-free requirements for NSF61, section 9 and CHSC 116875. Provide Hemispherical Penal Bubbler and Hemispherical Penal Pushbutton. Provide toilet bowl housing to prohibit the attachment of objects. Toilet shall be concealed blowout jet type with an elongated bowl, 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. Toilet trap shall have a minimum 3-1/2" seal that shall pass a 2-1/8" diameter ball and shall be fully enclosed. Cabinet interior shall be sound-deadened with fire-resistant material. Fixture shall withstand loading of 5,000 pounds without permanent damage. Fixture shall be furnished with necessary fasteners for proper installation.
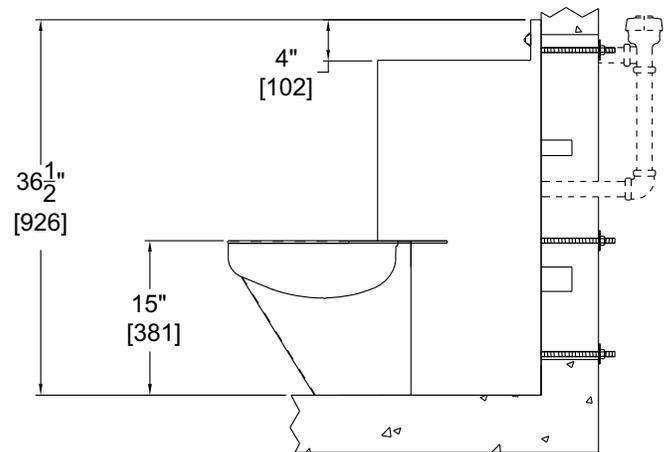
NOTES:
1. -BPH Hemispherical Lavy Bubbler
2. Hemispherical Lavy Valve Pushbuttons
3. Flush Valve Pushbutton
4. Wall Mounting Hardware
5. Toilet Waste Outlet
6. Lavy Waste Outlet
7. Optional -FV Flush Valve
8. -04 Air Control Valve

LR1418-AR-2-BPH-04 Shown. -AL Opposite.

LR1418-CT-2-BPH-04

Secur-Care® - Ligature Resistant LR1418:
18" Lav/Toilet - Ligature Resistant Comby with Lavatory Oval Shaped Bowl

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

MODEL AND OPTIONS SELECTION:

BASE MODEL NUMBER
☑ LR1418   18" Lav-Toilet - Ligature Resistant Comby

TOILET ORIENTATION (Must Specify)
❑ -AL   Angled Left
❑ -AR   Angled Right
❑ -CT   Centered Toilet

FIXTURE MOUNTING AND WASTE (Must Specify)
❑ -2   On-Floor, Wall Outlet
❑ -3   On-Floor, Floor Outlet

VALVE SELECTION (Must Specify)
Air-Trol (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 emergency 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
N/A

VALVE OPTIONS
❑ -BRS   Brass Body Valve
❑ -CI   Cycle Interrupt for Time-Trol Valves
❑ -MA2   Manifolded, 2-Stack
❑ -MA3   Manifolded, 3-Stack
❑ -MA4   Manifolded, 4-Stack
❑ -PBP   Pushrod Activated Pushbutton
❑ -TF   Transformer, 120VAC to 24VAC
               (-MVC option only)

FLUSH VALVE GPF's (Must Specify)
❑ -1.28 GPF
❑ -1.6 GPF

FLUSH VALVE OPTIONS (Must Specify)
❑ -EVSFV   Master-Trol Electronic Flush Valve
❑ -EVSPFV   Master-Trol Electronic Flush Valve w/ Piezo Button
❑ -FV   Flush Valve, Mechanical (-W, -T, -T-ADA, N/A for -W-ADA)
❑ -FVBO   Flush Valve by Others (Select with 2898 & 2802 Covers)
❑ -FVH   Flush Valve, ADA Hydraulic (-W and -W-ADA Only)
❑ -MTPFV   Master-Trol PLUS Electronic Flush Valve
❑ -MTPPFV   Master-Trol PLUS Electronic Flush Valve w/ Piezo Button
❑ -MVCFV   Time-Trol® Flush Valve (-W and -W-ADA Only)

CABINET OPTIONS
❑ -FMT   Fixture Mounted Trim
❑ -PHL   Paper Holder Left (For -AR or -CT Comby)
❑ -PHR   Paper Holder Right (For -AL or -CT Comby)
❑ -TG   12 Gage Cabinet
❑ -THL   Towel Hook Left
❑ -THR   Towel Hook Right

LAVATORY WASTE OPTIONS
❑ -CW   Combined Waste*
               *NOTE: Reduces Ligature Resistance due to Lavy Waste Drain Hole located within Toilet Bowl.

❑ -LW1   Lavy Thru-Wall Extension with P-Trap
❑ -LWE   Lavy Waste Extension (3" Standard)
               Specify Length Beyond Fixture: _____
❑ -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**
               **NOTE: Reduces Ligature Resistance due to Toilet Bowl Sensor Fitting.

❑ -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
❑ -PC   Pinned Cleanout Plug (For -CO1 Options above)
❑ -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   Acorn Vac System

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

⚠ WARNING: Cancer and Reproductive Harm - 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_____