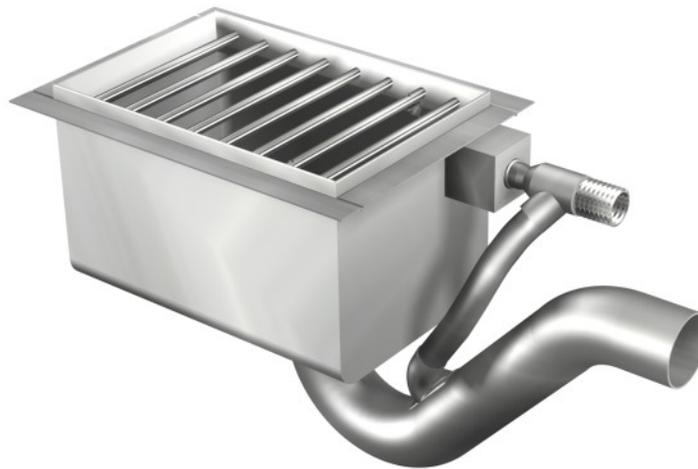




## Penal-Ware® 1699 Series

Detox Toilet - Blowout Jet Type - Remote Flushing



1699-W

Fixture May Show Some Available Options

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

### Detox Toilet - Blowout Jet Type - Remote Flushing

Recommended for installation in detoxification or sobering cells, padded safety cells, isolation cells and similar locations where conventional Toilet may present a hazard to the patient or inmate. Location for Detox Toilet should be out of the traffic pattern and as close to the remote Flush Valve as practical.

#### Toilet features:

1. Exclusive Detox Grate design is vandal-resistant and has no sharp edges.
2. Welded bars: Removable Bar directly over waste outlet is secured with tamper-resistant screws.
3. Integral Sloping Rim which permits solids to be washed into the receptor.
4. Receptor with coved corners. Water covers the entire receptor bottom area.
5. Continuous Flushing Rim that washes all four walls with a jet action flush to evacuate solids.

**Fixture** is fabricated from 14 gage, type 304 stainless steel. Receptor Bars are 3/8" diameter. Interior has a matte finish. Toilet has 1" NPT male flushing connection and requires a minimum of 35 PSI flow pressure. Trap will pass a 2-1/8" ball and has a 3-1/2" seal. Toilet waste outlet is 2-3/8" O.D. plain end. Floor should be sloped to drain into the toilet with waste line cleanout provided in the pipe chase. Refer to installation details for complete information.

**Flush Valve Details:** Flush valve (and Hot and Cold Hose Box to wash down Cell Floor) are commonly mounted in the wall outside the Cell and are specified separately. Fixture is commonly specified with Remote Flush Valve Access Panel model 2803-1. When a plumbing chase exists, model 2898 Flush Valve Access Panel is recommended. Flush Valve must be located within 12 feet of Toilet Fixture.

#### GUIDE SPECIFICATION

Provide and install Acorn Penal-Ware Detox Toilet (specify model number). Fixture shall be fabricated from 14 gage, type 304 stainless steel and shall have a continuous 360 degree washdown flushing rim. Bar grate shall be 3/8" diameter bars welded in place, except bar over waste outlet, which shall be removable and secured in place with two tamper-resistant screws. Receptor shall have coved corners and the bottom area shall maintain a minimum water surface of 8" x 12" x 2" deep. Toilet waste outlet shall be 2-3/8" OD plain end and trap shall pass a 2-1/8" ball.

# Penal-Ware® 1699: Blowout Jet Type - Remote Flushing



**WALL THICKNESS AND TYPE (Must Specify)**  
 Thickness \_\_\_\_\_ Type:  Concrete  Block  Steel

**PRODUCT OPTIONS**  
 -DLF Detox Less Finishing Flange  
 -TF Transformer, 120VAC to 24VAC (-MVCFV option)  
 -VAC AcornVac Systems

**MODEL NUMBER AND OPTIONS SELECTION**

**BASE MODEL NUMBER**

1699 Detox Toilet with Flange

**SUPPLY (Must Specify)**

-W Wall (Concealed)

**FLUSH VALVE GPFs (Must Specify)**

-1.6 GPF  
 -3.5 GPF \*See Note

**FLUSH VALVE OPTIONS (Must Specify)**

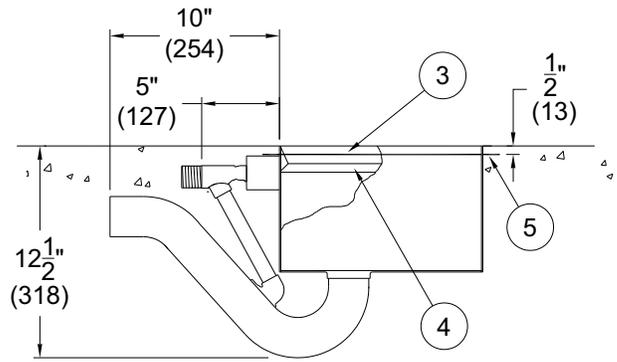
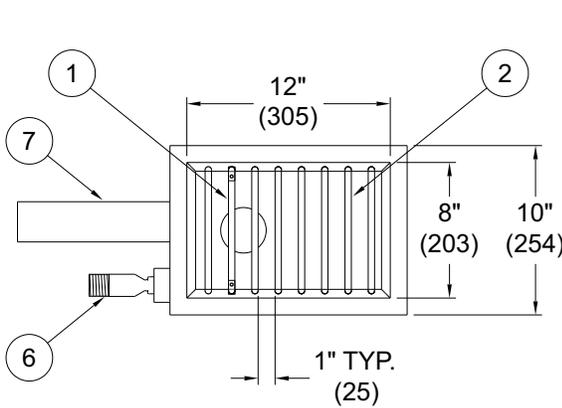
- SPECIFY FLUSH VALVE BELOW FOR OPTIONAL 2898.  
 - SPECIFY -FVBO FOR REMOTE FLUSH VALVE #2803-1.  
 (PROVIDE SUPPLEMENTAL SUBMITTAL)

- EVSFV Master-Trol® Electronic Flush Valve
- EVSPFV Master-Trol® Electronic Flush Valve, Piezo Button
- FV Flush Valve, Mechanical
- FVBO Flush Valve by Others
  - 2803-1 Remote Flush Valve Box (Submitted Separately)
- FVH Flush Valve, Hydraulic
- FVL Flush Valve, Lever Handle (Wall Supply)
- MTPFV Master-Trol® PLUS Electronic Flush Valve
- MTPPFV Master-Trol® PLUS Electronic F.V., Piezo Button
- MVCFV Time-Trol® Electronic Flush Valve

**\*NOTE:** California Energy Commission (CEC) allows 3.5 GPF for Acorn Detox Toilet fixtures when used in a prison or jail.

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**NOTE: FLUSH VALVE MUST BE NO MORE THAN 144" FROM THE FIXTURE INLET**



1699-W

**NOTES:**

- 1. REMOVABLE BAR.
- 2. INTEGRALLY WELDED BARS.
- 3. SANITARY SLOPING RIM.
- 4. CONTINUOUS FLUSHING RIM.
- 5. FINISHING FLANGE.
- 6. FLUSHING INLET CONNECTION.
- 7. TOILET WASTE CONNECTION.

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

<p><b>Important:</b> 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 2008 Acorn Engineering Company</p>	
<p style="text-align: center;">Selection Summary</p> <p>Model No. &amp; Option _____</p> <p>Quantity _____</p>	<p style="text-align: center;">Approved for Manufacturing</p> <p>Company _____ Title _____</p> <p>Signature _____ Date _____</p>