



Shower-Ware® 450BADAWH Series

Apex Surface Mounted Showers - ADA / CBC Compliant* - Wide Housing



458BADAWH-W-RH-LFS-LCH

Fixture May Show Some Available Options



- Patented D697,591
- © Acorn Engineering Co.



CSH-WSA Showerhead is EPA WaterSense Certified

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

Surface Mounted Showers - ADA / CBC (Calif Title 24) Compliant* Wide Housing

Shower is designed to be installed on a finished wall from the front and includes as standard equipment a Control Valve, Fixed Upper Showerhead, Handheld Shower and Hose, Diverter Valve, Recessed Soap Dish, 1108 series Two-wall Stainless Steel Grab Bar, 1103 series Padded Vinyl Folding Seat and Curtain with Headrail for a 36" opening.

When installed properly and in accordance with all Shower Stall Type requirements, unit will conform with 2010 ADA Standards, 2019 California Access Compliance Reference Manual with DSA Access Compliance Code Cycle Supplement effective July 1, 2021, ANSI, and UFAS requirements for accessibility (*Refer to disclaimer*).

***Disclaimer:** [ADA 609.3, CBC 11B-609.3] Guideline Section and Figure reference indicate "The space between the Grab Bar and projecting objects above shall be 12 inches (305 mm) minimum." Whenever possible Acorn Engineering Company recommends installation of a Flush Mount Shower Housing design (410 Series) for compliance and assumes no responsibility for Surface Mount Shower Housings deemed as non-conforming.

Compliance is subject to the interpretation and requirements of the Local Code Authority.

Shower Housing is 18 gage, type 304 stainless steel with satin finish. Top and Bottom of Housing includes 30° slope. Controls are 38" to 48" from the finished floor and should be located on wall in accordance with shower stall type and valve control configuration. Stainless Steel Recessed Soap Dish is provided at 40" maximum above finish floor [CBC 11B-608.10].

Fixed Upper Showerhead is provided at 6'-0" discharge height (**). Showerhead is solid brass, triple chrome-plated and includes a built-in 1.6 GPM Flow Restrictor. The Acorn Logan Wizard Showerhead design provides self-cleaning with an adjustable spray pattern from coarse stream to a fine mist. (**Certain options slightly lower discharge height.)

Handheld Shower Spray includes Pushbutton for On/Off control with non-positive shutoff, 60" long Stainless Steel Hose, Quick-Disconnect, Vacuum Breaker and 1.5 GPM Flow Control [ADA 608.6, CBC 11B-608.6].

Fixed Head (-FH) option in lieu of Handheld Shower is available. Units installed for CBC (Calif T24) require -Y Universal Ball Joint option for both upper and lower Shower Heads for swivel angle adjustment [CBC 11B-608.6; Exception].

Valve Control may be selected with either Hot and Cold Mixing Valve or Single Temperature Metering Pushbutton [ADA 309.4, CBC 11B-309.4]. Valve assembly includes Pressure Rated Flexible Supply Hose Connectors to assist with install.

-**Type 8** Thermostatic/Pressure Balancing H&C Mixing Valve is ASSE 1016 compliant to compensate for fluctuation in temperature and pressure. Includes patented ligature resistant Tri-Lever Handle (-LVR Lever Handle is optional).

-**Type 6** Air-Control Single Temp Pushbutton Metering Valve, non-hold open design. Timing from 5 to 60 seconds.

-**Type 0** Electronic Single Temp Pushbutton Metering Valve styles provide an array of timing and programming options. Refer to individual Electronic Valve submittal sheets for specific data.

Diverter Valve is provided to allow Upper Showerhead and Handheld Shower Spray to be operated independently. Includes patented ligature resistant ADA compliant Tri-Lever Handle (-LVR Lever Handle is optional).

Fasteners. Acorn furnishes all exposed tamper-resistant fasteners necessary to complete the on-site shower assembly; however, concealed wall fasteners or Anchor Shields are not furnished.

Shower-Ware®: 450BADAWH Apex Surface Mounted Showers - ADA/CBC Compliant - Wide Housing



MODEL NUMBER AND OPTIONS SELECTION

SERIES

4 Apex

TYPE

-5 Surface Mounted ADA/CBC Shower with Wide Housing

VALVE SELECTION (Must Specify)

- 0 Electronic Valves, Single Temp. Metering (Must Specify Type Where Indicated Below)
- 6 Air-Control, Single Temperature Metering
- 8 T/P Temperature-Pressure Balancing Mixing Valve With Patented Ligature Resistant ADA Tri-Lever Handle (ASSE 1016 Compliant)

SUPPLY (Must Specify)

- T Top
- W Wall

Valve Orientation (Must Specify)

- Left Right

ELECTRONIC VALVE SELECTION

(Required for Valve Selection -0 above)

Master-Trol® (Electronic)

- EVS1 Single Temp
- EVSP1 Single Temp, Piezo Button

Master-Trol® PLUS (Electronic)

- MTP1 Single Temp
- MTPP1 Single Temp, Piezo Button

Time-Trol® (Electronic)

- MVC1 Single Temp

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

- PPZ1 Single Temp Programmable Piezo Button

VALVE OPTIONS

- CI Cycle Interrupt for Time-Trol Valves
- LVR Lever Handle (For -8 Valve Control and Diverter Valve)
- MV Metering Air-Control Valve Pushbutton in Riser (Mounted Handshower may obstruct Pushbutton)
- PBH Hemispherical Pushbutton (-6 Valve or -MV)
- TF Transformer, 120VAC to 24VAC (-MVC option only)

SHOWERHEAD OPTIONS

- CSH Conical Showerhead (Ligature Resistant)
- CSH-WSA WaterSense Approved 1.5 GPM Conical Showerhead (Ligature Resistant)
- F Flow Control
 - 2.0 GPM (Not Available For Use in California)
- MSH Multi-Stream Showerhead
- P Penal Showerhead
- Y Universal Ball Joint
- YY Lockable Universal Ball Joint

HANDHELD SHOWER OPTIONS

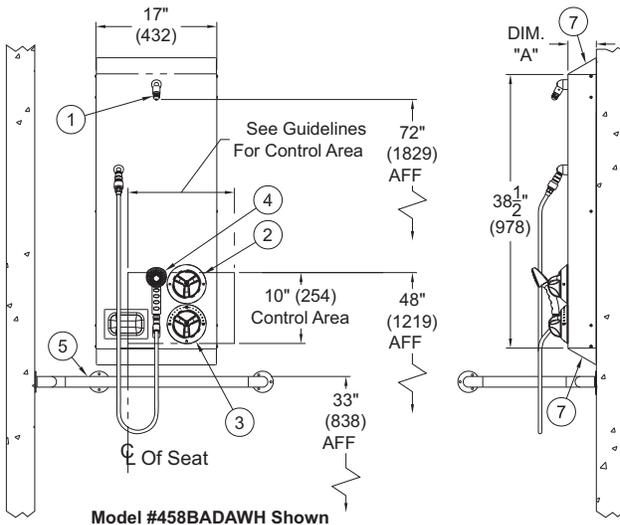
- FH Fixed Head at 48" MAX in Lieu of Handheld Shower (Use for ADA. Will receive any options selected above.)
- FH-Y Fixed Head at 48" MAX in Lieu of Handheld Shower (Use for CBC. Both heads require -Y Univ. Ball Joint)
- HL Hi-Lo Dual Mounting Brackets For Handheld Shower
- QD Quick Disconnect for Handheld Shower
 - PSO Quick Disconnect with Positive Shut-Off

PRODUCT OPTIONS

- BS Built-in Liquid Soap System (Not ADA Compliant)
- D Surface Mounted Soap Dish
- EG Enviro-Glaze Color, Specify _____
- FSP Phenolic Folding Seat in Lieu of Padded Seat
- FSS Stainless Steel Folding Seat in Lieu of Padded Seat
- LCH Less Curtain with Headrail
- LFS Less Padded Folding Seat
- LGB Less Grab Bar
- LRD Less Recessed Soap Dish
- SC Supply Cover, Ceiling Height: _____

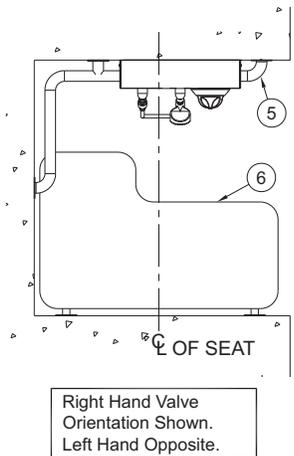
Please visit www.acorneng.com for most current specifications.

NOTE: Refer to Supplemental Submittals for Option details.



1. Showerhead
2. Diverter Valve w/ Standard Patented Tri-Lever Handle
3. T/P Valve w/ Standard Patented Tri-Lever Handle
4. Handheld Shower with 60" Hose
5. Two-Wall Grab Bar Provided
6. Padded Seat Provided
7. 30° Sloping Top and Bottom

VALVE TYPE	DIM "A"
-0, Electronic, S/T	4 1/2" (114)
-8, T/P Mixing Valve	3" (76)
-6, Air-Control, S/T	4" (102)



IMPORTANT: Layout shown for reference only. Refer to applicable Accessibility Guidelines for complete dimensional data. Refer to Disclaimer contained in Technical Details.

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

<p>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 2006 Acorn Engineering Company</p>	
<p style="text-align: center;">Selection Summary</p> <p>Model No. & Option _____</p> <p>Quantity _____</p>	<p style="text-align: center;">Approved for Manufacturing</p> <p>Company _____ Title _____</p> <p>Signature _____ Date _____</p>