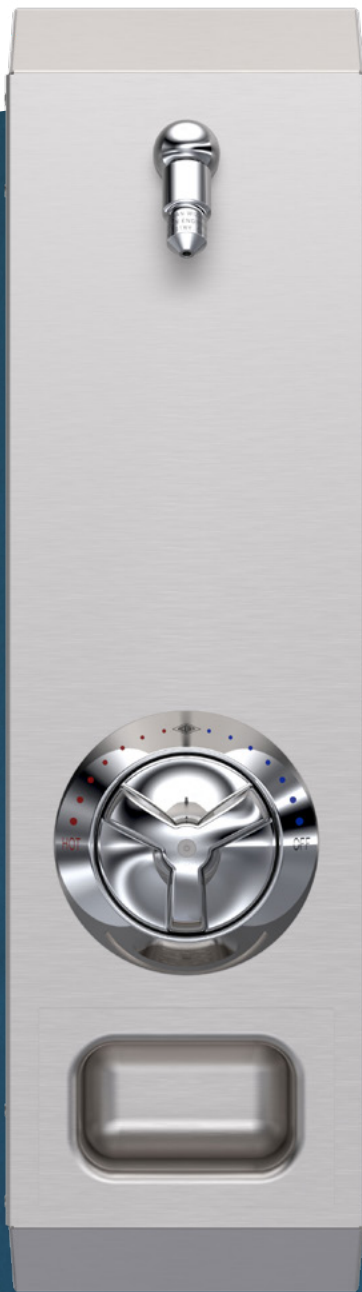


# COMMERCIAL SHOWERS

BY ACORN ENGINEERING COMPANY®

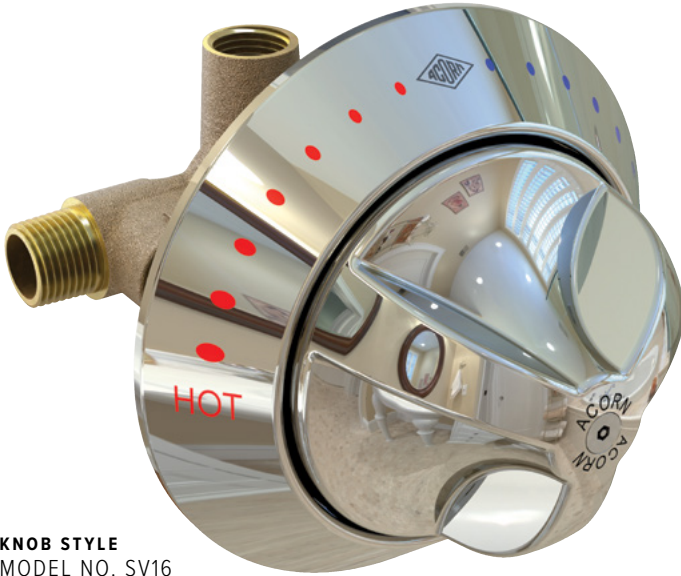


MODEL NO. 458B



# TEMPERATURE/PRESSURE SHOWER VALVE

MODEL NO. SV16



**KNOB STYLE**  
MODEL NO. SV16

## FUNCTION:

The ligature-resistant SV16 is a thermostatic-based Temperature/Pressure compensating Shower Valve.

## PRODUCT FEATURES AND BENEFITS:

- Exceeds the setpoint control test requirements of ASSE 1016-2011, T/P at 1.25 GPM as certified by IAPMO Lab tests.
- Maximum temperature limit stop is factory set to 110°F – no installer adjustment required.
- Lead-free DZR Brass with corrosion-resistant internal components.
- Allows a bath temperature as high as 5 degrees below the hot water supply temperature, 5 degree approach temperature allows lower hot water distribution temperature, which is critical when low hot water supply temperatures are required by code or as a means to help avoid scalding.<sup>1</sup>
- Non-binding ceramic shut-off with non-rising stem ensures long-term reliability, eliminating the gap between the handle and faceplate to reduce risk of pinching, and provides ADA compliance throughout the entire temperature operating range.
- Integral check stops and accessible inlet strainers.
- Field reversible cartridge eliminates the need for cross-piping in back-to-back installations and helps easily rectify a reverse piping installation error.
- Thermostatic control is recommended by the CDC and ASHRAE in publications addressing higher hot water supply temperatures as a means of controlling the spread of Legionella.
- Comparable in cost to commercial grade Pressure Balance (Type P) shower valves.
- Available in all metal, ligature-resistant (std) or lever handle trim packages.
- Ideal for use with: Standard T/P valve for all Acorn Shower-Ware products and systems.
- IAPMO certified for use with low flow showerheads.

ATTRIBUTE	VALUE
<b>Flow Rate</b>	4 GPM @ 45 psid
<b>Minimum Flow Rate</b>	per ASSE 1016 type T/P 1.25 gpm
<b>Temperature Adjustment Range</b>	85 to 115°F
<b>Minimum Hot Water Temperature Required</b>	5°F above setpoint
<b>Maximum Hot Water Temperature</b>	180°F
<b>Maximum Supply Pressure</b>	125 psi

## STANDARDS:

ASSE 1016 Type T/P  
CSA B125.1  
ASME A112.18.1  
cUPC  
Lead-free



<sup>1</sup>Based on scalding concerns while using Pressure Balancing valves and/or no scald protection at the fixture. Maintaining a minimum of 124°F throughout the domestic hot water recirculating system is recommended by the CDC, ASRAE, OSHA, AWT and others in published documents relating to Legionella control and prevention.

# SUPERIOR SAFETY AND CONTROL



BY ACORN ENGINEERING COMPANY®



MODEL NO. 118ADA

FLUSH MOUNT  
STAINLESS STEEL  
APEX SHOWER  
**410B SERIES**

SURFACE MOUNTED  
STAINLESS STEEL  
APEX SHOWER  
**450B SERIES**

ADA SURFACE  
MOUNT STAINLESS  
STEEL HANDHELD  
APEX SHOWER  
**ADA COMPLIANT**

ZENITH BUILT-IN  
SHOWER  
**500 SERIES**

CAPITAL (CYLINDRICAL)  
STAINLESS STEEL  
COLUMN SHOWER  
**700 SERIES**



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ACORN ENGINEERING

# FLUSH MOUNT STAINLESS STEEL APEX SHOWER

## 410B SERIES

IAPMO AND EPA CERTIFIED PER EPA WATERSENSE® CRITERIA USING CSH-WSA SHOWERHEAD

SHOWN ON RIGHT:  
MODEL NO. 416B WITH AIR-CONTROL VALVE,  
SINGLE TEMPERATURE METERING

The 410B series showers provide a durable and vandal resistant shower that is installed flush with the wall. This series is available with single-temperature metering using pneumatic Air-Control® or electronic control valves. It is also available with Acorn's SV-16 T/P shower valve.



## FLUSH MOUNT STAINLESS STEEL APEX SHOWER



MODEL NO. 416B WITH AIR-CONTROL®  
VALVE, SINGLE TEMPERATURE METERING

### FEATURES:

- AVAILABLE WITH ACORN'S SV-16 T/P CERTIFIED SHOWER VALVE
- METERING RUN TIMES CAN BE ACCOMPLISHED USING SINGLE TEMPERATURE PNEUMATIC AIR-CONTROL OR ELECTRONIC CONTROL VALVES
- CONSTRUCTED OF DURABLE AND VANDAL-RESISTANT TYPE 304 STAINLESS STEEL
- AVAILABLE WITH WATER SENSE CERTIFIED SHOWER HEAD
- TAMPER-RESISTANT VALVES
- SHOWERHEAD SELF-CLEANS WITH EACH USE



MODEL NO. 418B WITH TEMPERATURE-PRESSURE  
BALANCING MIXING VALVE WITH LIGATURE-RESISTANT  
TRI-LEVER HANDLE (ASSE 1016 COMPLIANT)

# SURFACE MOUNT STAINLESS STEEL APEX SHOWER

## 450B SERIES

IAPMO AND EPA CERTIFIED PER EPA WATERSENSE® CRITERIA USING CSH-WSA SHOWERHEAD

SHOWN ON RIGHT  
MODEL NO. 456B WITH AIR-CONTROL® VALVE,  
SINGLE TEMPERATURE METERING

Durable and vandal-resistant, the Apex Surface Mounted Shower is designed and manufactured from high quality stainless steel to stand the test of time, rinse after rinse.



## PRODUCT FUNCTION:

IDEAL FOR USE IN COMMERCIAL FACILITIES, SCHOOLS, UNIVERSITIES, RECREATIONAL FACILITIES AND AQUATIC CENTERS.

MODEL NO. 456B WITH AIR-CONTROL VALVE, SINGLE TEMPERATURE METERING





**FEATURES:**

- **CONSTRUCTED OF DURABLE AND VANDAL-RESISTANT TYPE 304 STAINLESS STEEL**
- **BUILT STANDARD WITH AVAILABLE IN TOP OR WALL SUPPLY CONFIGURATIONS CONNECTORS**
- **TAMPER-RESISTANT VALVES**
- **SHOWERHEAD SELF-CLEANS WITH EACH USE**

MODEL NO. 458B WITH TEMPERATURE-PRESSURE BALANCING MIXING VALVE WITH LIGATURE-RESISTANT TRI-LEVER HANDLE (ASSE 1016 COMPLIANT) PATENT NO. D697.591

# ADA SURFACE MOUNT STAINLESS STEEL HANDHELD APEX SHOWER



**ADA COMPLIANT**  
(WHEN INSTALLED PROPERLY)



SHOWN ABOVE  
MODEL NO. 118ADA WITH TEMPERATURE-PRESSURE BALANCING  
MIXING VALVE WITH LIGATURE-RESISTANT TRI-LEVER HANDLE  
(ASSE 1016 COMPLIANT)

## MODULAR STAINLESS STEEL ACME SURFACE MOUNT SHOWER

### 110 SERIES

IAPMO AND EPA CERTIFIED PER EPA WATERSENSE®  
CRITERIA USING CSH-WSA SHOWERHEAD

The Acme modular shower system is custom made to fit both the space and application required. Its modular, pre-piped design minimizes wall penetrations and installation time.

### FEATURES:

- Modular and pre-piped for easy installation
- Handheld Apex Shower provides quick rinsing for users with ADA requirements
- Surface mounted to minimize or eliminate wall penetrations
- Available with multiple SV16 Temperature/Pressure Mixing Valves
- Constructed of durable and vandal-resistant type 304 stainless steel
- Tamper-resistant valves
- Showerheads self-clean with each use





## ADA SHOWER SOLUTIONS



### 410BADA SERIES

ADA COMPLIANT (WHEN INSTALLED PROPERLY)

Designed for use with users with ADA requirements, the Flush Mount Apex Handheld Shower adds additional ligature resistance by being installed flush with the shower wall.

#### FEATURES:

- Installed flush with the shower wall to enhance ligature resistance
- Available with single temperature Air-Control® Valve, as well as SV16 Temperature/Pressure Mixing Valve
- Constructed of durable and vandal-resistant type 304 stainless steel
- Built standard with flexible hose supply connectors



MODEL NO. 418BADA  
WITH ASSE 1016 COMPLIANT TEMPERATURE/PRESSURE  
BALANCING MIXING VALVE



### 450BADA SERIES

ADA COMPLIANT (WHEN INSTALLED PROPERLY)

The Surface Mount Apex Handheld Shower adds allows users with ADA limitations to shower comfortably with a connecting shower hose and wash head.

#### FEATURES

- Available with single temperature Air-Control Valve, as well as SV16 Temperature/Pressure Mixing Valve
- Constructed of durable and vandal-resistant type 304 stainless steel
- Built standard with flexible hose supply connectors



MODEL NO. 458BADA WITH TEMPERATURE-PRESSURE BALANCING  
MIXING VALVE WITH LIGATURE-RESISTANT TRI-LEVER HANDLE  
(ASSE 1016 COMPLIANT) PATENT NO D697.591



## ZENITH BUILT-IN SHOWER

### 500 SERIES

IAPMO AND EPA CERTIFIED PER EPA WATERSENSE®  
CRITERIA USING CSH-WSB SHOWERHEAD

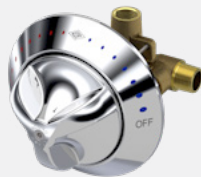
**Built within the shower wall to conceal internal piping, the Zenith Built-In Shower is an attractive, subtle alternative to wall mount and flush mount shower models.**

#### PRODUCT FUNCTION:

Available in both standard and ADA configurations, the Zenith shower combines pleasant aesthetics with vandal resistant durability.

#### DISCLAIMERS:

The showerhead as provided has been certified to meet EPA WaterSense Criteria. The nozzle is removable for cleaning purposes only.



MODEL NO. 538 WITH TEMPERATURE-PRESSURE  
BALANCING MIXING VALVE WITH TRI-LEVER  
HANDLE (ASSE 1016 COMPLIANT)



## CAPITAL (CYLINDRICAL) COLUMN SHOWER

### 700 SERIES

Perfect for gyms, locker rooms, educational and institutional facilities, the Capital Column Shower allows multiple users to enjoy a convenient and comfortable shower experience with dual adjustable sprayheads and mid-level soap holders.

#### REGULARLY FURNISHED:

Showerheads are solid brass, triple chrome-plated and include a 2.2 GPM flow restrictor. The Acorn Logan Wizard Showerhead design self cleans with every use, and has an adjustable spray pattern from a coarse stream to a fine mist.



MODEL NO. 726 W/ AIR-CONTROL VALVE,  
SINGLE TEMPERATURE METERING

# OUTDOOR SHOWER SOLUTION

Designed to withstand the elements, Acorn's 900 series square pylon shower is constructed of 14 gage, type 304 stainless steel and comes standard with a heavy duty base to prevent rust.

MODEL NO. 900 SERIES



Est. 1954

**ACORN ENGINEERING COMPANY**  
Manufacturer of Engineered Products

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## INNOVATIVE SPIRIT AND ENGINEERING FOUNDATION

"What sets us apart from competitors is our engineering and spirit. We have a 'can-do' spirit. If you ask us to do something, we will do it or figure out how to do it. That's the part our customers like, that's the part we like."

- Don Morris, President and CEO



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