

SHOWER-WARE®



Group
Showering
Systems



INTRODUCTION



Acorn Engineering Company was established in 1955. Founded on the principle of design and production of the finest quality plumbing products, Acorn Engineering has grown to become the world leader in the manufacture of stainless steel plumbing fixtures.

This company, which began with a single drill press, now utilizes Computer Automated Design systems and a 1500-ton hydraulic draw press - one of the largest in the Western United States - to manufacture its products. Acorn now employs almost 500 people and occupies over 300,000 square feet on 20 acres in Industry, California with distribution channels worldwide. Product lines include showers, group washing facilities, institutional, and hospital plumbing fixtures.

Acorn's phenomenal growth can be directly attributed to the production of a quality product at a competitive price.



SHOWER-WARE®

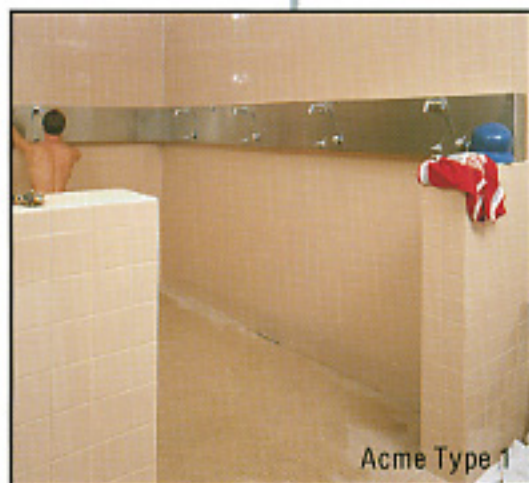


Nestled in a quaint Canadian residential community in picturesque Montreal, is the beautiful Olympic Stadium. This unique building is graced by the tallest inclined tower in the world, measuring 565 feet above ground. The most unusual feature of this magnificent structure is its 200,000 square foot retractable dome.

When activated, 26 steel cables open the lightweight roof - much like an umbrella - with the top of the tower as the apex.

It is only appropriate that this technologically advanced stadium houses Acorn Shower-Ware products in its locker rooms. More than 35 years of technology, experience, and quality have led to the development of Acorn's exclusive line of rugged shower fixtures. With an emphasis on durability, Shower-Ware fixtures are crafted from heavy gage stainless steel and are designed to maximize available space to accommodate as many bathers as possible simultaneously. Factory assembly facilitates installation, and with Wall-Mounted, Built-In, and Column models to choose from, Acorn Shower-Ware systems are the industry leaders and the specifiers' choice.

SHOWER - WARE®



Acme® Wall-Mounted Showers

The installation flexibility and economy of Acme Showers make them a very practical choice. Through the use of optional components, the Acme Wall-Mounted shower system can be arranged in a variety of ways, and can turn corners without interruption.

Acme Back-to-Back Showers provide bathing stations on both sides of the shower module and are supported by walls or stanchions.



Apex® Wall-Mounted Showers

The many versions of Apex Showers provide an economic solution to accommodate as many bathers as possible in a particular room configuration. Because they can be mounted along walls, and in corners, when specified in conjunction with column showers, Apex models utilize space which might otherwise be deemed as useless.

Apex Showers are constructed to withstand abuse, yet are easy to service and maintain.

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Zenith® Built-In Showers

Acorn Engineering's high quality built-in showers are suitable for individual applications or in combination with other Shower-Ware products. Consisting of a control valve and a shower head, they are often specified for coach or instructor showers to complete group installations.

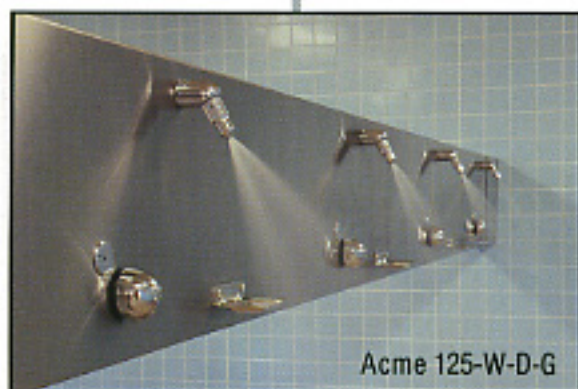


Column Free-Standing Showers

Acorn Classic and Capital Column Showers service from two to six bathers at a single fixture, making them the most economical solutions for group shower room applications.

Water supply connections are concealed within each column and are furnished standard with a drain anchor base, eliminating the need for support walls - drastically reducing installation costs. Additionally, their virtually unobstructed sight lines facilitate shower room supervision. Both Classic and Capital showers are equally suited to indoor or outdoor applications.

SELECTION



How to Order Acorn's Acme® Wall-Mounted Showers ...

125 - W - D - G

1. 2. 3. 4. 5.

1. Specify the shower series:
1. Acme
2. Specify the type from the listing below:
1. Wall
2. Back-to-Back
3. Select the desired valve.
(See descriptions on following pages.)
4. Specify supply:
T - Top
W - Wall
5. Select the desired suffix options from the following pages.



How to Order Acorn's Apex® Wall-Mounted Showers...

473 - W - K - Y

1. 2. 3. 4. 5.

1. Specify the shower series:
4. Apex
2. Specify the type from the listing below:
1. Flush-Mounted
2. Corner-Mounted
5. Surface-Mounted
6. Two Station
7. Three Station
3. Select the desired valve.
(See descriptions on the following pages.)
4. Specify supply:
T - Top
W - Wall
5. Select the desired suffix options from the following pages.

SELECTION



How to Order Acorn's Zenith® Built-In Showers ...

532 - BF

1. 2. 3. 4.

1. Specify 5 for the Series number.
2. Specify the supply:
 1. Back Supply
 2. Exposed Supply (Flo-Cloz Valves 1 & 5 only)
 3. Top or Bottom Supply
3. Select the desired valve:
(See descriptions on following pages.)
4. Select the desired suffix options from the following pages.



How to Order Acorn's Classic® or Capital® Column Showers ...

769 - T21 - BS - CS

1. 2. 3. 4. 5.

1. Specify the shower series:
 6. Classic
 7. Capital
2. Specify the number of stations:
 2. Two Stations
 3. Three Stations
 4. Four Stations
 5. Five Stations
 6. Six Stations
3. Select the desired valve:
(See descriptions on following pages.)
4. Select Supply and Drain Type.
(Consult factory or see Acorn's master catalog.)
5. Select the desired suffix options from the following pages.

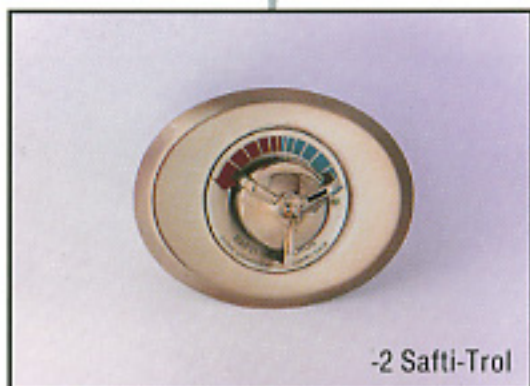
V A L V E S



-1 Flo-Cloz H&C



Zenith (Exposed)



-2 Safti-Trol

Valves

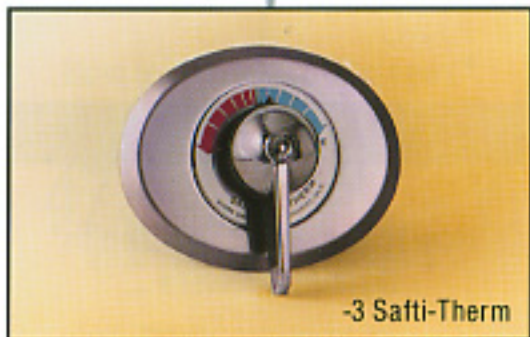
Acorn Engineering offers an extensive line of valves appropriate for shower applications.

The *Flo-Cloz Hot and Cold* valve (-1) is virtually maintenance free as it closes with the line pressure, reducing the force needed to operate it and allowing for a drip-tight closure.*

The *Safti-Trol* valve (-2) utilizes a diaphragm to adjust for fluctuations in water pressure, and therefore delivers a constant stream of tempered water - reducing the risk of hot water shock. An optional *piston-operated (-PO)* version can also be specified.

Similarly, the *Safti-Therm* valve (-3) adjusts for actual temperature changes that might occur at the water source, automatically maintaining constant water temperature.

The *Single-Trol* valve (-4) offers the convenience of a single temperature control and the durability of non-corrosive working parts.*



-3 Safti-Therm



-4 Single-Trol

V A L V E S



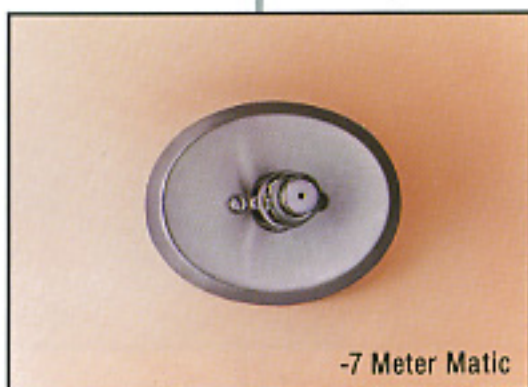
-5 Flo-Cloz Single Temp



Zenith (Exposed)



-6 Metering Air-Control



-7 Meter Matic

The *Flo-Cloz Single Temperature* valve (-5) is ideal for group shower rooms where tempered water is delivered to each station at the volume selected by the bather.*

The *Metering Air-Control* valve (-6) features a vandal-resistant pushbutton that utilizes atmospheric air as the timing medium.*

The *Meter-Matic* valve (-7) can be set from a five second to a sixty second water flow cycle, and because the timing mechanism is separate from the water, it is reliable in any water condition.*

Any of Acorn's shower systems can be specified *without valves* (-9) when showers are to be operated by a remote controller.

* These valves should always be supported by a thermostatic controller (by others) at the hot water source.

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Shower Heads

All Acorn showers are provided with Logan Wizard adjustable spray shower heads. Solid brass with triple chromium plating and a unique self-cleaning flush design, these shower heads virtually never need repair.

When the wall surface is not adequate to support flange loadings for square-flanged shower heads, Acorn recommends specification of its *anchor plate (-A)* which is tapped to receive the flange mounting screws. Also, when a square flanged shower head is mounted within a rear access pipe chase, a *back plate (-B)*, which provides backing for the flange, is recommended.

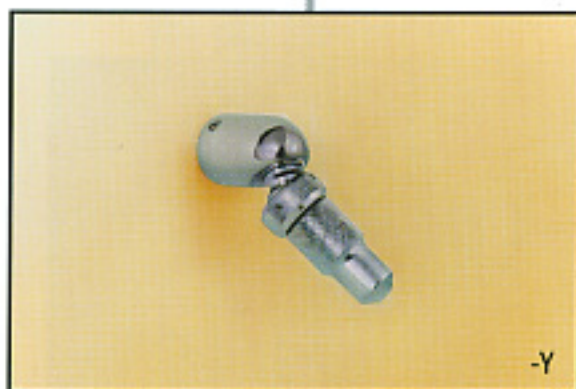
Acorn offers many shower head configurations, as well. *Bent arm (-BA)* shower heads work well over bathtubs, and *extended heads (-EH)* provide a longer bracket to which the spray nozzle is connected.

With the emphasis on water conservation, Acorn has developed a *Flow Control (-F)* adaptation of the standard head, which will provide constant water delivery at either 2.5 GPM or 2 GPM.



The *flexshower (-FX)* is an integral part of the provisions available for handicapped accommodations, and includes a white plastic hand shower and five foot stainless steel spiral hose. This option can also be specified with a *quick disconnect (-QD)*, which facilitates removal of the shower for storage, and *hi-low mounting brackets (-HL)* which allow for two possible shower locations.

OPTIONS



Several adjustable shower heads are available from Acorn. The *hand volume control* (-H) head provides for manual adjustment of spray volume, whereas the *allen key volume control* (-K) can only be adjusted by authorized personnel utilizing a hex key.

The *multi-stream head* (-M) is individually adjustable to emit a fine mist or a coarse stream, and is suitable for installations where vandalism is not a consideration. Conversely, Acorn's *penail head* (-P) is appropriate where vandalism is a concern as the spray can only be adjusted through the nozzle with a hex key.

In addition to shower heads with varying water stream adjustments, Acorn offers ball joints permitting different shower head angles. A *universal ball joint* (-Y) permits movement of the shower head in all directions, and the *lockable universal ball joint* (-YY) has a set screw to lock the head into desired positions. The *up-down ball joint* (-Z) will not allow the nozzle to be adjusted from side to side, preventing flooding outside of tubs, and the *lockable up-down ball joint* (-ZZ) allows the shower head to be set and locked along its vertical arc of movement.

A Zenith shower can be specified *without a shower head* (-WS), when the shower head is to be provided by others.

SHOWER-WARE®



Soap Systems

Acorn manufactures a wide variety of liquid soap systems. A *built-in liquid soap system (-BS)* provides a soap tank which is integrated within the Shower-Ware fixture. A *remote gravity liquid soap system (-GS)* provides a soap dispenser on the shower fixture and must be supported by a wall-mounted gravity soap tank. A *remote pressure liquid soap system (-PS)* which utilizes a pressurized tank located away from the shower unit can also be specified.

In addition, more conventional soap dishes can be selected. A *self-draining circular soap tray (-CD)* is standard on Capital column showers and can also be specified for Classic models. A *surface-mounted soap dish (-D)* or a *recessed soap dish (-RD)*, designed to keep bar soap dry, are also available.



OPTIONS



Dome grate as shown above is optional on Capital column showers and standard on Classic column showers



Other Options

Acorn, renowned for its engineering prowess, has developed Microtech™ (-MVC), an electronic modular valve controller that offers the ultimate in electronic timing and reliability. A hands-free sensor-operated (-SO) valve system is available as well.

The engineers at Acorn recognize that aesthetics are also a consideration. Any Shower-Ware fixture is available in Enviro-Glaze (-EG) colors. This color coating process results in a highly durable, attractive finish. In addition, a supply cover (-SC) can be specified for top supply fixtures to conceal piping and give a finished look to the installation. In suspended ceiling applications, a ceiling anchor plate (-CA) should be specified in conjunction with the supply cover.

In outdoor installations, a foot shower (-FS), as pictured, can be added to a column shower.

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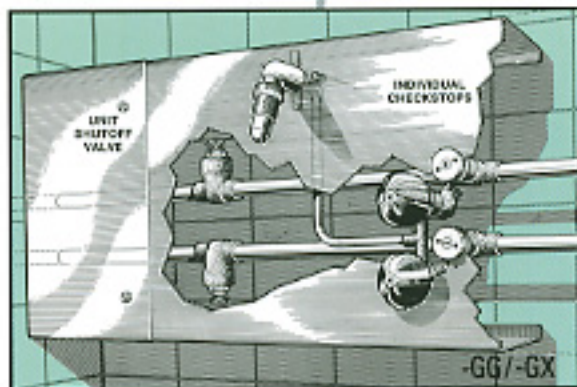


Other Options (continued)

Serviceability of a fixture is also another factor to be considered. Acorn recommends the use of *individual stops (-G)* which allow other units to remain in service during maintenance periods. Additionally, *unit shutoff valves (-GG)* for each unit or zone can be selected. *Individual checkstops (-GX)* not only act as individual stops, but prevent the bypassing of hot and cold water through the valves. A *metering valve (-MV)* can be installed in the riser to the shower head as well.

Acorn Engineering has created practical solutions to many installation problems. Stainless steel *splash panels (-SA)*, as pictured, can be specified with Acme Back-to-Back showers as cost effective alternatives to low built-up walls. Also available is a *thermostatic controller (-TC)* which will supply water at a preset temperature and automatically compensate for temperature variations.

In renovation projects, specification of a *wide housing (-WH)* on an Apex shower will allow tiles which are then covered by the housing to be relocated to repair other damaged areas.



O P T I O N S



Privacy Compartments

In conjunction with superior quality shower fixtures, Acorn Engineering offers privacy compartment packages to complete the installation. With circular and rectangular configurations in stainless steel, baked enamel or solid plastic finishes, any shower room layout can be enhanced both functionally and cosmetically.

Handicapped Provisions

Acorn also offers an easy answer to accommodation of handicapped bathers. A *barrier-free (-BF)* package can be specified for corner or alcove installations, and a *handicapped (-HC)* package can be selected to modify wall and free-standing models.



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