



BRINGING MODERN AQUATIC CENTERS TO YOUR CAMPUS

by Dennis R. Berkshire

University enrollment is expected to grow 10% within the next decade, so your institution is undoubtedly planning ways to get the best and brightest of these students onto your campus. As many Universities compete for the prize first-year and transfer students, they must find progressive and exciting amenities to attract discerning students.





For many students the draw to a University campus can be the total package that an institution offers and its quality of life on campus. These aquatic centers can be used for an array of activities beyond swimming, enriching both the university campus and students' lives.

These facilities have been used for student recruitment and the recruitment of student athletes, as well as for general campus recreation and socialization. It serves Freshmen Orientations, Greek Life, Collegiate Sports, and as a General Fitness Center for all students. Additionally, of course, health and wellness is a popular and common thread among the potential students and parents alike.

Serving the Majority of Your Students

Many Universities have aquatic centers to support collegiate swimming and water polo. A recent study found that of the thousands of high school swimmers, 7.9% of the boys and 8.3% of the girls will go on to swim in college. A recent Gallup Poll offers the following participation rate in exercise among college students: 30% participate in vigorous exercise, and 60% of students participate in moderate exercise. These statistics show us that a University Aquatic Center must serve not only the collegiate athletes but the vast majority of the students as well.

AquaticAccess.com

ADA the easy way

Water-Powered
Safe and Reliable
Low-Maintenance,
Low-Cost Operation
Ready for use all day
with no energy expense

No batteries, charging, actuators, gears, motors, pumps, oils, expensive components or extensive maintenance schedules; only water flowing in then recycled into the pool for free energy.

**800.325.LIFT
502.425.5817**

"Our students love our lift...it's easy maintenance, actually no maintenance. It's a wonderful product. Get one!"
Karen Sato, Gavilan College, Gilroy, CA

LOOK FOR US ON:
f e youtu

THE SCOUT POOL LIFT
easy and safe
POOL & SPA ACCESS

THE LEADERS IN POOL & SPA ACCESS

THE AQUA WALKER
innovative
AQUATIC THERAPY

Aqua Creek Products
THE LEADERS IN RECREATION, FITNESS, AND ABILITY!

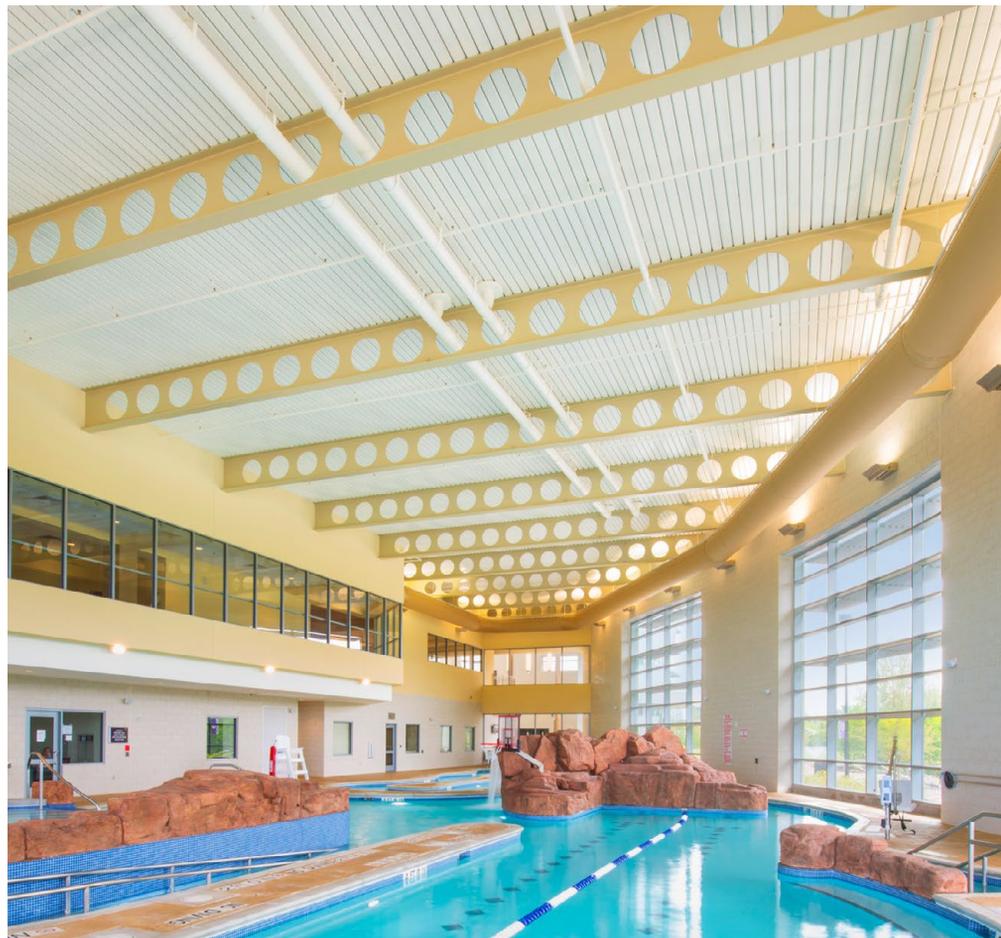
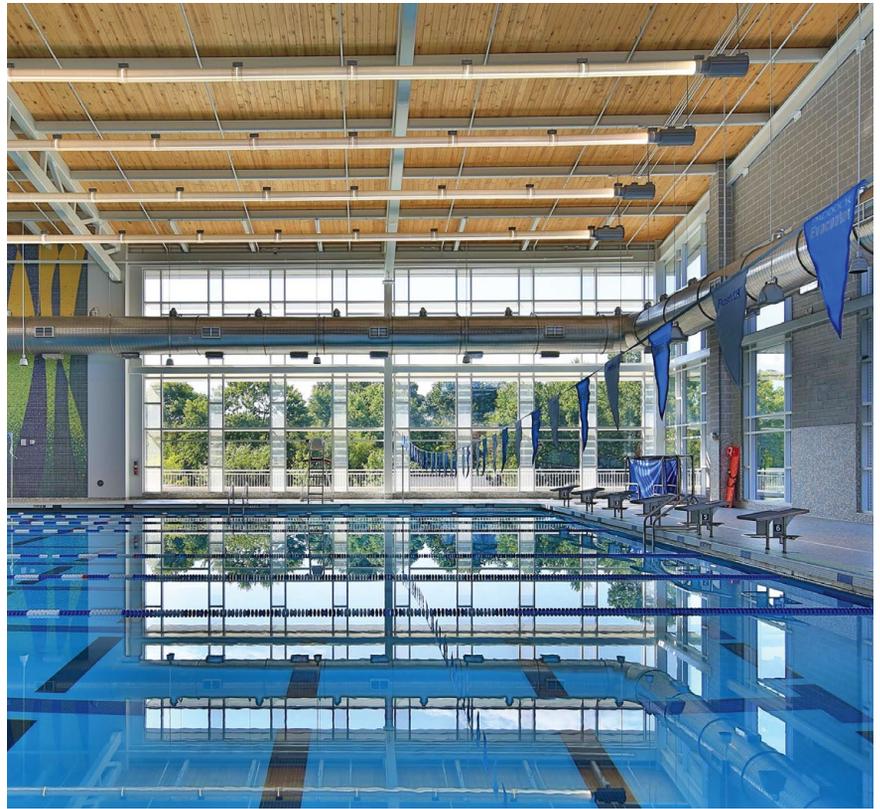
888.687.3552
www.aquacreek.com

To that end modern university aquatic centers are being built to serve the entire student body population along with faculty and staff. Therefore, modern aquatic centers must have amenities that can serve programs for the vigorous and moderate exerciser.

Traditional Growing Pains of Modern Aquatics Programs

A modern university aquatic center can include as many as 50 different programs. However, success in programs and popularity can come with challenges and growing pains. Swimming pools designed for competitive programs such as swim teams, water polo, synchronized swimming and diving require deep water pools. A competition pool should be a minimum 2-meters (6.7-feet) deep to provide a safe depth for diving into the pool.

Most recreation programs need swimming pools that have shallow water that allows bathers to stand and touch the floor. The trend in modern aquatics programming is to have deeper and deeper water for better and safer performance in competitive programs and more shallow water—in some cases even beach type entries—to support recreation programs. This trend has made many existing university swimming pools obsolete.



Toris®

Roof and Floor Deck
Ceiling Systems

EPIC Metals has been applying its Natacoat® paint system for the humid, harsh and corrosive environments of natatoriums for over 20 years. Toris® and Natacoat deliver acoustics and an architectural roof deck ceiling system that can span up to 30 feet. Contact EPIC for additional details.

EPIC METALS®

877-696-3742 toll-free 412-351-3913 tel
epicmetals.com

Middle Georgia State College, Recreation &
Wellness Center—Macon, Georgia
Architect: Lyman Davidson Dooley - Atlanta, Georgia



Challenges of Replacing Versus Renovating

Universities are then faced with the challenge of trying to renovate existing facilities or simply replacing them all together. To satisfy this trend the new pool configuration is often multiple pools. One pool will be configured for competition programs, with deep water operating with cooler water temperatures of 78 to 80 degrees; a second pool will then be configured for recreation and fitness programs with shallower water operating with warmer water temperatures of 82 to 88 degrees.

Even the competition pools have developed amenities for recreational use to reach out to the majority of students. For instance, inflatable obstacle courses and log rolling competitions are examples of recreation programs designed for deeper water pool use.

Demand for Water and Air Quality

Another challenge for a modern aquatic center is the level of use and the demand for water and air quality. Given the increase in programming, the facility has little if any down time to perform preventative maintenance. Most state codes require the swimming pool water to be recirculated within 6-hours or less; this is known as a 6-hour turnover rate. However, with heavy bather loads, this code minimum requirement may be inadequate.

GET IT HERE!

At MASA, we put a modern swing on old fashion values to provide customers with sports, recreation, and fitness products. Don't see what you are looking for? With our **GET IT HERE** custom program, we'll get you what you need at industry-leading prices.

Miss the days of **CUSTOMER SERVICE** and good ol' fashion **WORD PUZZLES?**

For answers to the word search and to receive a coupon for \$25 to \$50 off your purchase, scan the QR code or visit www.sportsadvantage.com/pupn-sept17.

W	A	L	L	P	A	D	D	I	N	G	V	L	O	B	P	O	L	Y	C	A	P
Y	S	O	A	T	E	M	L	E	H	Z	K	C	A	R	R	E	W	O	P	D	L
T	F	A	C	I	L	I	T	Y	C	O	N	V	E	R	S	I	O	N	D	A	V
L	R	D	N	A	S	E	S	X	V	K	K	S	D	G	O	A	L	S	P	M	D
L	F	A	A	D	A	Z	E	S	B	A	B	A	T	T	I	N	G	C	A	G	E
A	I	K	I	B	B	A	S	E	S	R	T	I	A	S	K	U	S	H	A	C	
B	E	L	S	N	L	A	R	U	M	A	R	T	N	I	P	H	A	H	B	M	N
E	L	A	L	G	I	J	G	W	E	W	I	L	L	F	I	N	D	I	T	E	W
N	D	H	M	A	Q	N	E	S	C	O	R	E	B	O	A	R	D	S	V	B	K
I	L	C	E	Z	B	G	G	H	P	G	E	T	I	T	H	E	R	E	U	A	Q
C	I	D	Q	H	A	T	K	A	R	V	C	L	L	R	E	H	C	A	E	L	B
I	N	L	C	R	N	P	O	L	I	T	E	N	S	I	N	N	E	T	A	L	T
D	E	I	O	G	A	D	A	O	W	D	W	H	W	P	E	G	K	P	S	S	Q
E	R	E	L	B	E	B	J	I	F	Q	S	K	E	V	O	C	R	O	P	L	F
M	S	F	I	J	V	A	U	Q	N	G	P	F	L	O	O	R	C	O	V	E	R
I	M	E	B	E	X	S	R	U	G	T	A	U	V	A	P	H	R	H	R	P	R
I	N	F	I	E	L	D	D	R	A	G	S	L	V	C	H	T	K	W	T	T	X
F	I	L	L	A	B	Y	E	L	L	O	V	E	F	R	S	O	C	C	E	R	A

Mid-America
Sports Advantage
MASA

For all your sporting and strength training needs!
800.264.4519 • SportsAdvantage.com



Discover the Most Durable & Efficient Family of Cardio Equipment



800.862.1509
GreenSeriesFitness.com
info@GreenSeriesFitness.com

GREEN
Series™



Due to bather wastes, body oils, and sunscreen, the water may need to be circulated and filtered more often to maintain good water quality. It is not unusual to see a 2-hour to 4-hour turnover rate for a modern recreation pool. When trying to use an old existing pool for these new recreation programs and increased bather load, the underground pipes may not be large enough to support this flow rate. If a new recirculation system, filter system, and pool piping is required, then the facility needs to determine if the existing pool will meet all of the programmatic needs versus a remove-and-replacement project given the relative comparative construction costs.

The bather loads and efficacy of the pool recirculation system can also have an impact on the natatorium air for indoor pools. As bather load wastes build up in the pool water, chemical reactions must occur that allow the waste products to be broken down and off-gassed into the natatorium air. Inadequate turnover rates and chemical feed systems will result in poor air quality and a corrosive environment for the building and equipment.

Like the pool water, increased air turnover rates, along with improved air distribution, can help provide better air quality. As students strive for a better quality of life, they will not tolerate pool water or air quality that has occurred in old natatoriums and university pools. This space must be of the same quality as other spaces on campus, and it must be inviting to all the senses.

Building or Renovating your Aquatic Center?

Everything you need in one place WATERPARKTECH.COM



Safety Decking and Renovations



- ✓Great for locker rooms, hygenic & safe
- ✓Slip Resistant surfaces.
- ✓Pour beads in place in any shape, colors.
- ✓Create new safety surface or renovate and refresh an old one

Transform Concrete and Fiberglass Pools



- ✓NEW Polyurethane Coatings
- ✓The most vivid long lasting pool paints on the market
- ✓Great for pools, slides,metal, underwater logos

BUY DIRECT
FROM THE MANUFACTURER

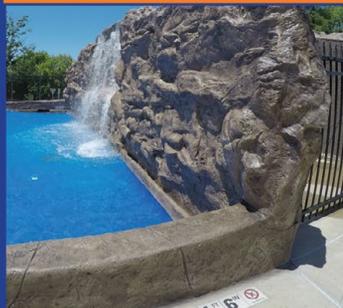


Longest Lasting Coating Paints
engineered to withstand sun,
immersion, and all pool chemicals



We can send approve contractors
or work with yours every step of
the way

ROCK FEATURES



LEISURE POOLS & DECKS



LOCKER ROOMS



LAP POOLS



Call for kits &
application information
314-524-0191
www.waterparktech.com



Aquatic Consulting
More than 45 Years Experience Worldwide

314.894.1245
www.chh2o.com



Modern Aquatic Centers Offer Both Variety and Excitement

In some instances, a modern aquatic center may have four different pool types with varying water depths and water temperatures. The Swimming Pool has water depths of 3'-6" to 13' or deeper, water temperatures of 78-84 degrees, and a turnover rate of six hours. An Adaptive Learning Pool has water depths of 2'-6" to 8' and water temperatures of 82-90 degrees with a two-to-four-hour turnover rate. Also with a two-to-four-hour turnover rate is a Multi-Purpose Pool, which has temperatures of 80-88 degrees and depths up to 5' or greater. Finally, a Spa has water depths of 3'-6" with water temperatures of 100-104 degrees and a twenty-to-thirty-minute turnover rate.

In recent university projects, we have seen as many as 28 water features and pool configurations. These features are often targeted to meet specific program needs and may include a lazy river, beach entry, spray features, bubble benches, lounging ledges, vortexes, rain rings, rope swings, climbing walls, zip lines, movie screens, water falls, a band platform, Surf-in-place, water fountain features, along with Wi-Fi connections and charging stations with comfortable seating.

Adding a Bright and Welcoming Campus Attraction

Whatever your needs and programs, a well-designed and operated aquatic center can be a bright attraction to your campus. It can add to the health and quality of life on campus and serve as a great recruiting component for both students and athletes.



ABOUT THE AUTHOR: As president of Aquatic Design Group, Inc., Dennis R. Berkshire has over 35 years of experience in the aquatics industry, with field experience in swimming pool design, construction and operation, and training. He has a strong background in water chemistry and has been involved in the design of automated filtration chemical feed and water chemistry control equipment.

Rooms Too HOT or COLD?

Here's your Solutions ...and Your Savings!

If your rooms are too hot or cold, your air isn't being distributed effectively. We pull trapped air from your high ceilings, and treat and distribute to create a comfortable climate. In the process, we cut HVAC-related energy costs by 25% or more.

Call us at 317-691-7255...
or visit www.airrowfans.com



Solution for —

- *Classrooms*
- *Meeting Rooms*
- *Lecture Halls*
- *Libraries*
- *Dining Areas*
- *Auditoriums*



AIR-ROW FANS 
MADE IN USA



**HUMIDITY
IS THE ENEMY.**

**QUEST IS
THE VICTOR.**

**Quest can solve humidity
problems in the following:**

- Indoor Pool Facilities
- Whirlpool & Spa Areas
- Therapy Rooms
- Locker Rooms
- Fitness Rooms
- Gymnasiums

Eliminate Condensation. Manage Humidity in your Indoor Pool Facility consistently and effectively with the industry's leading line of high-efficiency, large-capacity dehumidifiers. Find your model at QuestProtect.com/Protect.

Call Mike Carr, Nat'l Sales Manager,
at 608-209-5176 for your
FREE equipment sizing.

