PursaLex-Pools™

PURSANOVA™

The Answer to Swimming Pool, Water Fall, Pond and Fountain Problems

Address operational costs, chlorine damage, and other swimming pool related problems?

Pursanova water is the answer.

Water quality maintenance is one of the greatest challenges in daily swimming pool operations.

Chlorine has damaging effects on the human body, it also causes facility corrosion and related maintenance problems, and increase water costs and utility fees.

Pursanova has gathered data obtained from many public water facilities and related industries to prove the financial as well as health benefits when using our water system. In addition, Pursanova offers excellent product pricing and maintenance service.

Swimming pool customers, swimming coaches, and operational staff enthusiastically comment, “water is so much cleaner,” “ our customers enjoy the refreshing quality of water in our pool” and “with our new Pursanova PursaLex system, we have fewer chlorine-related problems”.

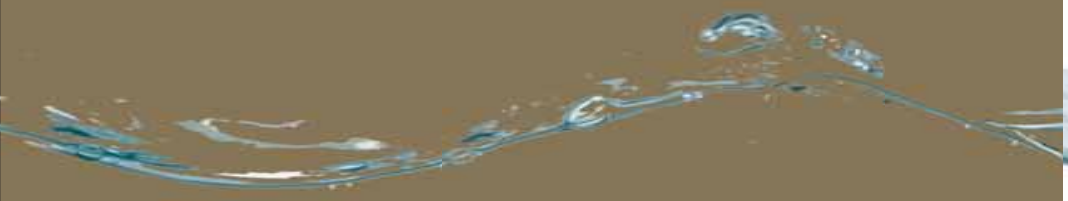
SPORTSPLEX

Sportsplex Ogikubo

Location: Tokyo

Installed date: October, 2002

Model: PURs-200C



General Problem Areas In Public Swimming Pool Operations

Health Issues:

Chlorine gas can cause irritated and red eyes. There can be a allergic reaction to chlorine water like sinus or skin inflammation. Swimming can aggravate throat and breathing problems. Hair can be damaged, bleached, and made less manageable.

Effects of Polluted Water:

Odor exists. Water is less clear and can easily becomes cloudy. Greater amounts of hypochlorous acid and potassium permanganate. The filtration tank requires more back washing. As a result, more water is needed.

Damage to the facility:

Pipes become corroded, oily residue is more difficult to remove. The building, the pool, and plumbing also are more corroded. Mold is formed on the walls and ceiling.

Other Considerations:

Seasonal temperature drops are experienced. Health problems for the staff occur. Customer attendance varies throughout the year.

Nagoya Swimming Club

Location: Nagoya

Installed date: October, 2004

Models: PUR-250 & PUR-150

PUR-250

Large Circulation Type

*Special order

PUR-150

Small circulation type

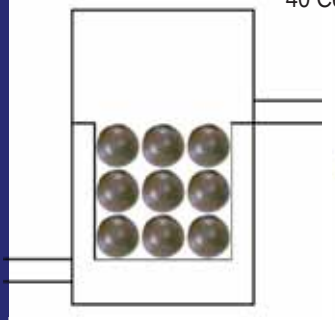
The Pursanova PursaLex System will improve filtration and decrease chemical usage ...

Electromagnetic measurement demonstrates that PursaLex ceramics constantly radiate 1-micron to 20-micron infrared light. When these ceramics touch water, “resonation” occurs enabling water to become more soluble and absorbable. And as the water is activated, any living organism it touches will be activated.

Upon analysis, we determine that surface tension in Pursanova water decreases. Activated water evaporates 70% less than normal water in room temperature.

Pursanova ceramics ores are made from natural minerals “sintered” at 1300c. They are completely safe. Their polished protective coating ensures optimum performance. Pursanova ceramics have been approved by the Japanese Food Hygiene Law and Health and Welfare Ministry (notice clause, 370).

40 Ceramic Ores inside the hair catcher



Pursanova 50mm ceramic ores for swimming pools

The Advantages of The PursaLex Systems

Chlorine damage Elemenated

1. No more chlorine gas from the water
2. No more itchy, red-shot and painful eyes. Improved skin condition.
3. Swallowing this water will not hurt the throat.
4. Sinus and allergic reactions are decreased.
5. Hair damage and bleaching is diminished.

Simplifies water management

1. Dramatically improves filtration system and chemical usage.
2. Decreased Hypochlorous acid usage.
3. Decreased Potassium permanganate.
4. Flocculant (Aggregating agent) no longer necessary
5. Prevents water temperature to drop
6. Increased clarity
7. No more chlorine odor or swimming pool odor.
8. Filtration backwashing dramatically decreased (up to 80% less).

Prevents facility corrosion

1. Less dew condensation
2. Less ceiling and wall mold
3. Less fat deposit pool sides
4. Prevents building corrosion
5. Changes water pipe red rust into black rust.

Additional considerations:

Swimming pool water temperature is maintained. In colder areas the swimming pool water temperature during night time was around 30 degrees Celsius. The next morning, the swimming pool water temperature usually drops 1 degree Celsius. After installing Pursanova PursaLex System, the average drop in water temperature was 0.5 degrees Celsius instead of the 1 degree drop. This has saved many swimming pool facilities on water reheating cost.

Swimming coaches and staff experienced less cold exposure symptoms such as back aches, muscle stiffness and joint pains. Some swimming pool facilities even reported fewer staff members were catching cold following the Pursanova PursaLex System installation.

THE SWIMMING POOL - OSAKA, JAPAN

Financial benefits

Installed February, 1997 (25m, 4 courses, Water: 200 ton)

Water Saving:	**Water Usage**	**COST ($)**
Before installation 1995~1996	3,300t	$20,675.80
After installation: 1997~1998	1,080t	$675.66
Annual savings	2,220t	$13,909.20
Monthly average saving	185t	$1,463.41

Fuel Saving

After installing PursaLex, it became not necessary to heat the 185 tons of water to 30 degrees. Also, PursaLex-treated water temperature will rise quickly saving boiler cost and time. Water temperature stabilizing results in 30% cost savings.

Fuel cost (monthly average) : $1,342.58
Fuel cost saving : $402.78 (30% less)





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