

# *Hydro***FLOW**®

WATER TREATMENT FOR SWIMMING POOLS



**HYDROPATH Technology** | The home of *Hydro***FLOW**®

# WATER TREATMENT IN SWIMMING POOLS



Ensuring that water quality is at the highest level is an ongoing battle for operators of pools of any size, from Olympic pools and water parks to household spas. In any pool the two main challenges are maintaining efficient filtration of the water, and keeping the bacterial count low without adding too much chlorine.

HydroFLOW® uses non-chemical flocculation to help existing filters work more effectively. The water becomes clearer, and the filter itself becomes easier to clean. This means that the amount of water wasted on backwashing – and the energy and chemicals used to heat and treat it – can be dramatically reduced. Reductions in the total amount of backwashing and the savings on water, sewage and chemical charges can be huge. Additionally, as chloramine levels are lowered, the “Swimming Pool Smell” and eye irritation is also reduced.



# CASE STUDY

## COLMAR STADE NAUTIQUE POOLS, FRANCE

The Colmar Stade Nautique complex consists of a total of 5 pools, indoor and out, including an Olympic pool and a sports pool.

They were having issues with profitability, particularly due to costs associated with the large amounts of backwash required for their filters.

### PROBLEM

Cleaning the 3 sand filters took 21 min with a 150m<sup>3</sup> / h pump and representing 4095m<sup>3</sup> of water per year. They installed a HydroFLOW® P Range unit to reduce the level of backwash required and the associated costs.

### RESULTS

Backwash was reduced by 50%, chlorine by 15% and 41,275 kWh of heating energy saved per year.



## OUR CUSTOMERS SAY

“Just one month since the installation we are noticing a considerable saving in chemicals, less consumption of chlorine and less consumption of pH regulators while maintaining required levels. Water quality is noticeable both in the pool and showers”

**Club Gimnas Manacor, Spain.**

“After three days from installation, the unit had the pool water looking crystal clear without the smell. The unit was then tested by being removed from the pool, and within three days the pool had returned to its previous state and the complaints returned”

**Property Manager, Family Tree Apartments, USA.**

# RESULTS



**BACKWASH  
REDUCED BY**

**50%**



**2535 M<sup>3</sup>**



**SAVINGS  
OF WATER  
(HEATED & CHLORINATED)**

**15%**

**CHLORINE  
SAVED ON  
FILTER WASHES**



**41,275 kWh HEAT  
SAVED PER YEAR**

## DESIGNED TO

- ⊕ **IMPROVE FILTRATION**
- ≡ **REDUCE BACKWASH**
- ⚙️ **REDUCE CHEMICALS**
- ⊕ **FIGHT BIOFOULING**
- ⊕ **REDUCE SCALING**

## FEATURES

- Suitable for all pipe materials
- Available for pipes up to 200mm as standard
- No plumbing or cutting of pipes required
- Easy retrofit – no downtime

## APPROXIMATE DIMENSIONS

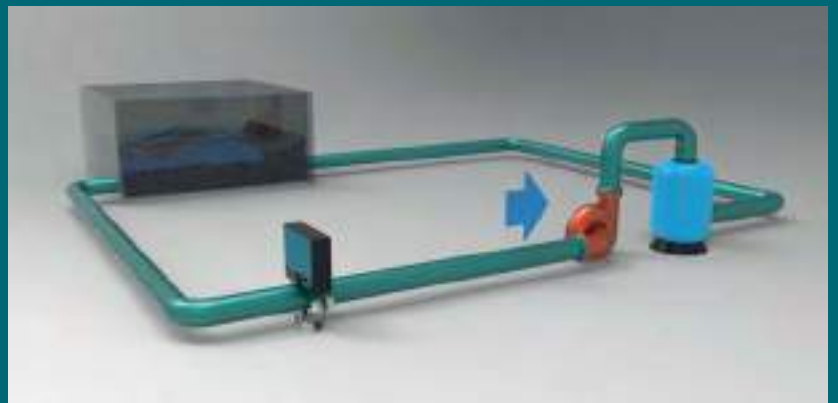
- K40: 45 x 120 x 150
- P/ I Range: 300 x 200 x 100 mm
- 3 meter cable

## TYPICAL INSTALLATION LOCATION

- Inlet to pumps
- See diagram

## FURTHER INFORMATION

For more detailed guidance on specification, installation or other information, please contact [sales@hydropath.com](mailto:sales@hydropath.com) or your local representative.



## FROM COMBI BOILERS TO COOLING TOWERS

HydroFLOW® units are working all over the world on multiple applications, treating carbonate and non-carbonate scaling and filtration issues in a wide variety of industries. Check out our website for more information.

- **From homes to heavy industry**
- **From spas to steel mills**
- **Suitable for any pipe material**
- **From 15mm to 1500+mm OD pipe diameter**



LIMESCALE



BIOFOULING



FLOCCULATION

**HYDROPATH.COM**