



# True Story: <sup>#78514</sup> Performance Pool

**Project:** 2013 FINA World Championships  
**Location:** Barcelona, Spain  
**Website:** www.FINA.org  
**Products:** Defender® Filter

In 2013 the Federation Internationale de Natation or FINA, as it is known, held the 2013 World Championships in Barcelona, Spain. Neptune-Benson was selected to provide the award-winning Defender® regenerative media filters for the prestigious event.

### Palau Sant Jordi

Barcelona's 16,000 seat Palau Sant Jordi indoor sporting arena was home to the gymnastics, handball and volleyball competitions of the 1992 Summer Olympics, and is now host to the FINA World Aquatic Championships.

At Palau Sant Jordi, the Defender® Filters were paired with two Myrtha pools; a 50x25x3 meter competition pool and a 50x20x2 meter training pool. Combined flow rate for these pools is 1,408 m<sup>3</sup>/hr or 6,199 GPM. Myrtha's stainless steel, panel-constructed pools are not only an ideal solution for this type of temporary installation; but they have also set the standard as the world's fastest pools, making Defender® the perfect complement as the world's finest aquatic filter. The two companies have teamed up on several occasions in this fashion, converting large capacity indoor arenas into the temporary center of the aquatics universe.

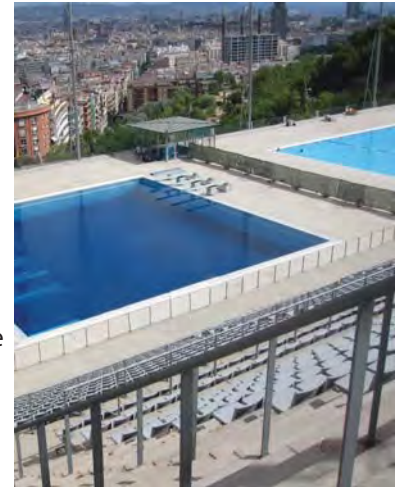


Conventional Sand Filters BEFORE (18 filters)

The Defender filter removes particulate as small as 1 micron, creating the cleanest, healthiest and fastest competition water available anywhere.

### Piscina Municipal de Montjuic

This installation was a retrofit of conventional sand filters. Requiring as little as 1/4 of the mechanical space normally required for a traditional sand filter installation, the 2 Defender® filters take the place of 18 sand filters.



Montjuic Dive Pool & Water Polo

This space efficient design allows Myrtha's engineers to take advantage of room below deck to house the filters instead of adding the expense to create a separate mechanical room. This is important as these two pools are a permanent installation.

Defender provides a number of environmental and economic benefits including: reducing water consumption by 90% and energy and chemical consumption by 50% and 30% respectively.



DEFENDER® Installation AFTER (2 filters)

