

ADVANCED BIOLOGICAL SOLUTIONS FOR
EMISSION CONTROL

AT A GLANCE:

- Azzuro's Spacious Wire Pac Media – The **BEST** performing media around the globe
- Nearly 400 systems in operation worldwide
- **No system failures!**
- Consistent and reliable performance
- **Up to 20 years Media Warranty**
- Highly effective in removing toxic emissions: H₂S, SO₂, CS₂, VOC's and others
- Up to 99.8% removal of H₂S
- Less head loss = less energy consumption

**UNRIVALED &
GUARANTEED
PERFORMANCE**

NEW: **COLOR** CODED MEDIA



AZZURO'S REVOLUTIONARY SPACIOUS WIRE PAC MEDIA NOW COLOR CODED

Not only is Azzuro's Spacious Wire Pac Media the BEST performing media available in the marketplace, it now comes color coded! Depending on the emission compounds of your air flow, the 'recipe' for the colors of the media that exist of different layers of structured synthetic media, is different. Tailored to your specific needs and to meet demands.

And the best thing about it? You can order the Media alone! Azzuro will design for you and give you **FULL PROCESS GUARANTEE**. This means that you can outsource the biotrickling filter unit to the Contractor or FRP Supplier of your choice. Azzuro will deliver the Media based on your requirements. The color coding makes it as simple as 1-2-3 to insert them into the biotrickling filter unit of your choice!

Not to worry – Should any Nutrients be needed because you need to use fresh water, we can supply the Nutrients that we know will attach to the Media and get the job done!

We are so convinced of the outstanding performance of our color coded Spacious Wire Pac media that you can choose to either buy or rent. Renting is a solution that will fit your O & M Budget, no doubt!

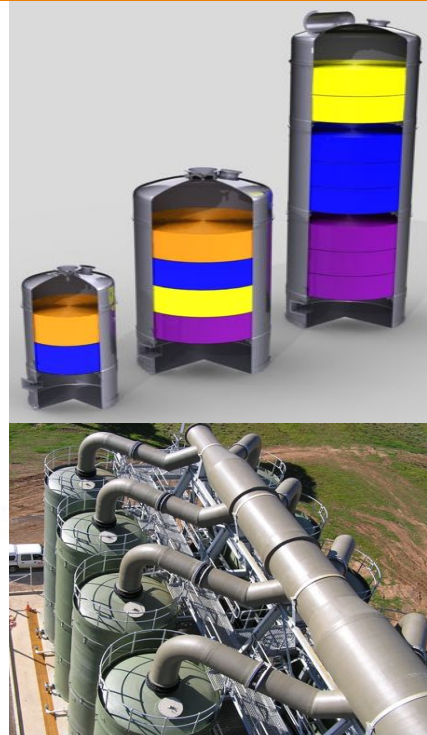
Our Media fits any round biotrickling filter unit. No matter the size.

The History of our Media Success

In 2008 Azzuro switched from the earlier Permapac media to the improved media called "Spacious Wire Pac". Permapac was built-up of two separate layers of media wound together. One layer consisted of polyurethane foam, the second layer showed a very open media. In technical terms we called this the bioreervoir (foam) and the transport zone.

Over the years we have learned that the foamed media was filled-up with water, biomass and gypsum and that only the outside of the foam was active. Because the foam layer was almost as thick as the transport zone effective space in the media was lost.

AZZURO



The Spacious Wire Pac media no longer contains foam. Instead, it is replaced with a 1 mm thin mat (the “Biological Wall”). The Wall provides as good and effective a surface as the foam but does not consume the volume.

As a consequence, since the media in operation is now much more open there is no space loss anymore because of any filled-up foam. Therefore the void volume in an operating biotrickling system has increased largely, which immediately results in a higher effective process contact time.

Since the mat is only 1 mm thick, more windings are needed to fill a media cassette. More windings in the same diameter also mean a larger increased capacity in contact space, whereby bacteria have contact with the polluted gas/airflow. We have experienced that the effective process time has increased by over 35% and that the capacity has more than doubled per gross volume compared with other (older) types of synthetic structured media still in use today.

But it does not stop there!

We have now taken our high-performing Spacious Wire Pac media and have colored it – taking it yet another step forward! Each color exists of a different material. That way we are able to optimize the characteristics of the media to address your particular emission need, resulting in a sophisticated system offering the highest possible efficiency.

As a company we believe that we should share *OUR* media with whomever is interested to take the Green Approach to a next level and to save money in doing so!

That is why Azzuro’s Spacious Wire Pac media is no longer sold only as part of its High-Performing Sulfatech and Torrenta Biotrickling Range, but as a Separate Item to all of you who are looking to replace your current media or if you are expanding your plant. Our media fits any round biotrickling filter unit. No matter the size, no matter the brand.

Azzuro will design the most optimal Media System for you. You can then take our Design to the Contractor or FRP Supplier of your choice. Needless to say, that we offer *FULL PROCESS GUARANTEE!* We will also provide easy-to-use directions which color layer goes where.

Interested but no Investment Budget? Inquire about Azzuro’s unique Rent-to-Own program!

Azzuro’s Spacious Wire Pac media is the best performing media available in the marketplace and has been used in the wastewater treatment, food & agriculture, chemical and petrochemical industry. And that very successfully! Please contact us to enquire about our Case Studies.

Our continuous improvements, commitment, our thorough understanding of what our Systems can do, and the various processes of our customers have taken us to the forefront of the Industry. *Azzuro – Biological Leading in Emission Control.*