



FEDEGARI
AUTOCLAVI SPA



FOWS
WASHER-STERILIZERS

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Washing and sterilization.

Have you always washed and sterilized your materials with two processes and two separate machines?

From today, that's no longer necessary. Fedegari has designed an alternative solution that allows you to increase your efficiency while reducing your costs.

The solution are the FOWS washer-sterilizers: machines which, in a single process, allow you to wash, sterilize and dry machine parts, tanks or other materials used in biopharmaceutical productions.

An innovation with over 50 years of expertise.

As often happens, it's not enough to have an intuition: you also need the skills, the means and an established method for bringing it to fruition. As passionate connoisseurs of the world of sterilization, we started from well-tested solutions of acknowledged validity to ensure the total reliability that characterizes all our products, even in a machine that has never been seen before.

After years of research and manufacture of many different and rigorously validated washing solutions, Fedegari can claim to have achieved its target once again: to control technology.

Many opportunities as well as advantages.

FOWS washer-sterilizers not only minimize the negative aspects of automatic washing (such as cross-contamination risks and standardized processes with limited customization options) but have features that lead to higher productivity. And from today, you can:

- drastically reduce total treatment times and the man-hours needed for load handling
- simplify the operating procedures, with a workflow entailing fewer stages and shorter paths
- reduce the number of machines installed on controlled-contamination environments, optimizing the available space
- reduce plant management as well as validation, revalidation and maintenance costs
- avoid the transfer of equipment through different classified areas, eliminating the risk of contamination between environments
- save energy, utilizing the available energy better and for a shorter time
- use loading devices for the materials to be treated, so as to achieve a repetitive performance (standard loads), which reduces unexpected events linked to the human variable
- reduce process data management work and provide all necessary documentation by utilizing the still unequalled features of the Thema4 process controller.

All this in full compliance with the Eudralex Vol. IV - GMP reference standard.

To ensure top performance while minimizing maintenance, a feature which has always characterized Fedegari, we also developed many absolutely original and convenient custom solutions, such as:

- a special water turbine for rotating the load (where needed)
- a carousel which, by turning, also ensures the CIP function of the washing/sterilization chamber
- nozzles optimized for the various washing requirements
- automatic sanitary coupling between the loading device and the machine.

An answer to every specific need.

FOWS washer-sterilizers don't offer standardized solutions, because after many years we are still convinced that the best results and the most ambitious goals can be achieved only by applying design and production skills to every specific case.

Every one of our customers is unique. That is why we look forward to meeting you, to study together the ideal solution to your needs and, who knows, perhaps be spurred to invent new innovative solutions.



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