

Reference

Reference – Industrial Process Water

1 300 m³ / d pure water system for European life sciences production. US industrial water purification specialist MECO Inc. (Mandeville, Louisiana) designed, manufactured and pretested a biotech process water plant based on their patented Master Pure Process Technology. Whereas GF Piping Systems high quality scheduled PVC-U products serve the required pretreatment steps.



MECO Inc. (www.MECO.com) was awarded the complete customized solution for a pharmaceutical process water plant including softening, ultrafiltration, carbon filtration and their patented GII Centurbo Vapor compression system for the generation of high quality FDA compliant pure water. The 5 vapour compression unit are able to deliver each 3 000 gph pure water.

Project Background

Life science companies have highest requirements on product quality and process safety. Compliance with international standards as e.g. WFI (Water for Injection) standard is a must. Therefore on the one hand plant suppliers have to deliver high quality equipment and on the other hand to follow the stringent regulations concerning manufacturing, FAT (factory acceptance tests), SAT (site acceptance tests) and documentation. Our piping systems plastic products for pharmaceutical process water pretreatment help our customers to meet these high requirements whilst simplifying their internal proceedings as much as possible.



MECO UF system with GF Piping Systems PVC-U scheduled piping

Chosen technical solution

MECO Inc. relies on GF Piping Systems scheduled PVC-U piping system because of their proven long term durability and high production quality. The system is simple to install reducing prefabrication costs for the customer.

System and product selection

- PVC-U scheduled 80 pipes and fittings
- PVC-U manual and pneumatically operated ball valves type 546 and 230

Main benefits for the customer

- Availability of scheduled PVC-U products via local distributor Corr Tech Inc.
- Long term customer relationship for similar projects
- Proven quality standards
- One stop shop for all required items of a complete PVC-U scheduled pipe system