

Pharmaceuticals/Chemistry/CIP Quality – an Obligation

Our core competence – Your advantage: Westfalia Separator Engineering develops innovative automation concepts for pharmaceutical and chemical plants.

Patients buy drugs in trust and with the conviction that their manufacturers have done everything they can to develop high-grade drugs of consistently high quality. As suppliers of machines and controls this trust obligates us to make an effective contribution to the production of high-quality drugs.

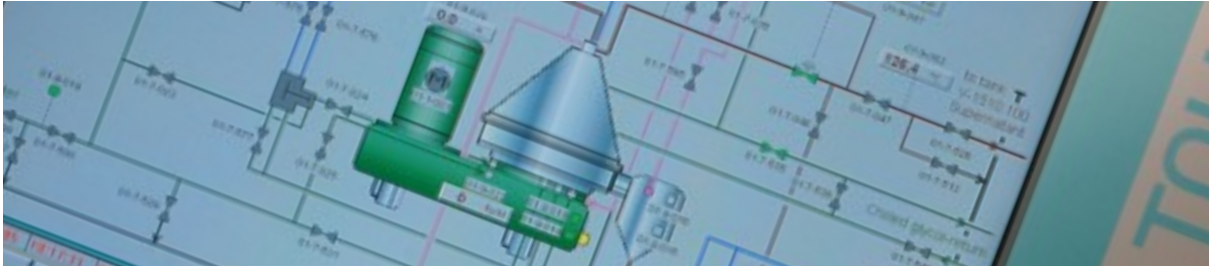
Particularly in the pharmaceuticals/chemistry sector, the knowledge of national and international standards plays a vital role. As our customer, you benefit from our long experience in the delivery of GMP- and FDA-compliant installations and systems – from the Quality Plan (QP) right through to the Quality Report (QR).

Our services for you:

- Qualification of systems
- Development of automation systems in accordance with the GAMP guideline
- Drawing up specifications
 - Hardware design specifications (HDS)
 - Software design specifications (SDS)
 - Module design specifications (MDS)
 - Installation qualification (IQ)
 - Operational qualification (OQ)
- Data integrity in accordance with 21 CFR Part 11 with audit trail
- Writing the application software for different systems
- Implementation of recipe administration and batch control
- Design of installations for explosion-hazarded areas

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Pharmaceuticals/Chemistry/CIP All Round Clean Solutions

CIP modules from Westfalia Separator Engineering not only pump heated cleaning solutions through production lines. They do a lot more for you – based on decades of experience in plant construction.

With CIP (Cleaning-In-Place) procedures, we create the basic requirements for sterile systems technology – in the chemical and pharmaceutical industries and for cleaning machines, tanks, components and piping systems.

Whether as a self-contained cleaning module or integrated in a master process control system, whether automatic cleaning procedures or freely selectable cleaning programs – Westfalia Separator Engineering delivers you optimally adapted CIP units with all required qualifications, tests and CE-compliant documentation.



PharmaCIP PCA 2-5

Individually configurable solutions

We offer you well thought-out systems with standard functions such as operation and process control via a PLC, dosing of the cleaning agents by means of installed dosing pumps or indirect heating of the cleaning media via a tubular heat exchanger.

We supply our services as modular systems – from the software through individual components right up to comprehensive documentation. If desired, we can additionally provide you with weld seam documentation, material certificates, surface roughness certificates, FDA conformity documentation for the sealing materials and membranes as well as pressure test and electrical testing of the installation.

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