Cleaning Containment Solution as a closed process
internal cleaning of IBCs and process machines

► washing system - CP

The number of HPAPI (high potency active pharmaceutical ingredient) has been continuously increasing in recent years. At the same time, the manufacturing industry wants more flexibility in production to respond faster and more accurately to needs and changing demand. The complete IBC cleaning and drying solution for substances with high hazard classification up to OEB 5 for and pharmaceutical industries is at the end of all process steps in pharmaceutical solids production and meets this requirement including full validation.
additional available options:
- control for main and dosing pumps for adjusting the volume flow and for flow-dependent dosing of the cleaning detergent
- design according to CFR 21 part 11
- washing head lowering device with automatic positioning
- washing device for the internal cleaning of container and process machines
- further accessories on request

suitable for high containment
containment valve system with split butterfly valves
single-stage washing principle, no water circulation to avoid cross-contamination
hydrokinetic head for cleaning (container) inner surfaces
hydrokinetic head for cleaning bottom valves
recipe controlled system with automatic controls, sampling, batch reporting and security access
drying with HEPA filtered air (F9 and H13 filter)
conductivity sensor possible in the outlet
tri-clamp connections with EPDM seals
system cleans IBC 50l - 2200l, dries and moistens e.g. the mill assembly.