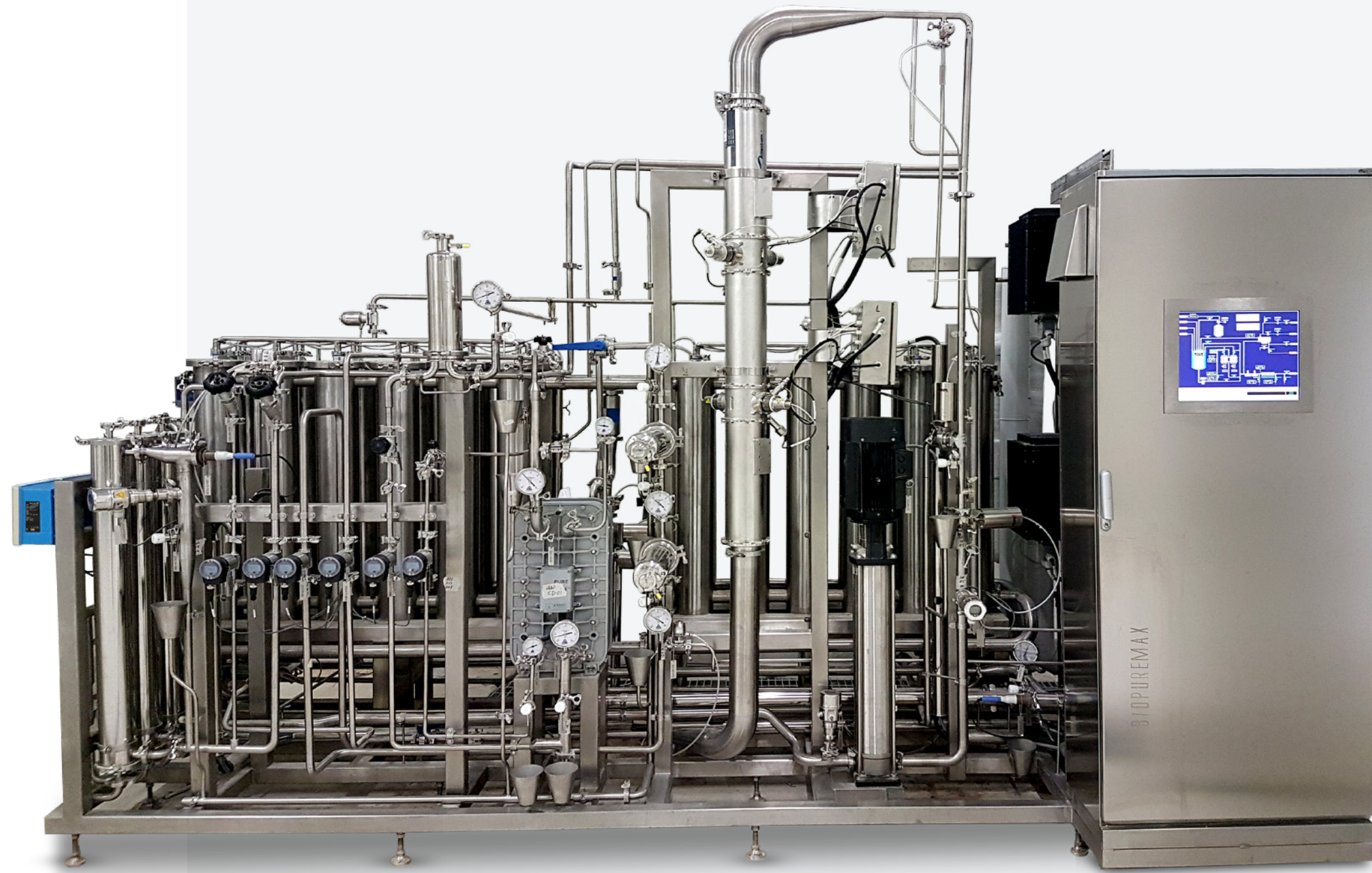


BIO PUREMAX

Bringing Technology to Pharmaceutical Water



Biopuremax, the ultimate pharmaceutical water system that is media & chemical free

Green Technology - Cost Reductions



Up to 30% savings on feed water



Actively reduces bacteria to very low levels



Simple to use / Easy to maintain / Exceptionally reliable



Environmentally friendly



Low operational cost / High efficiency

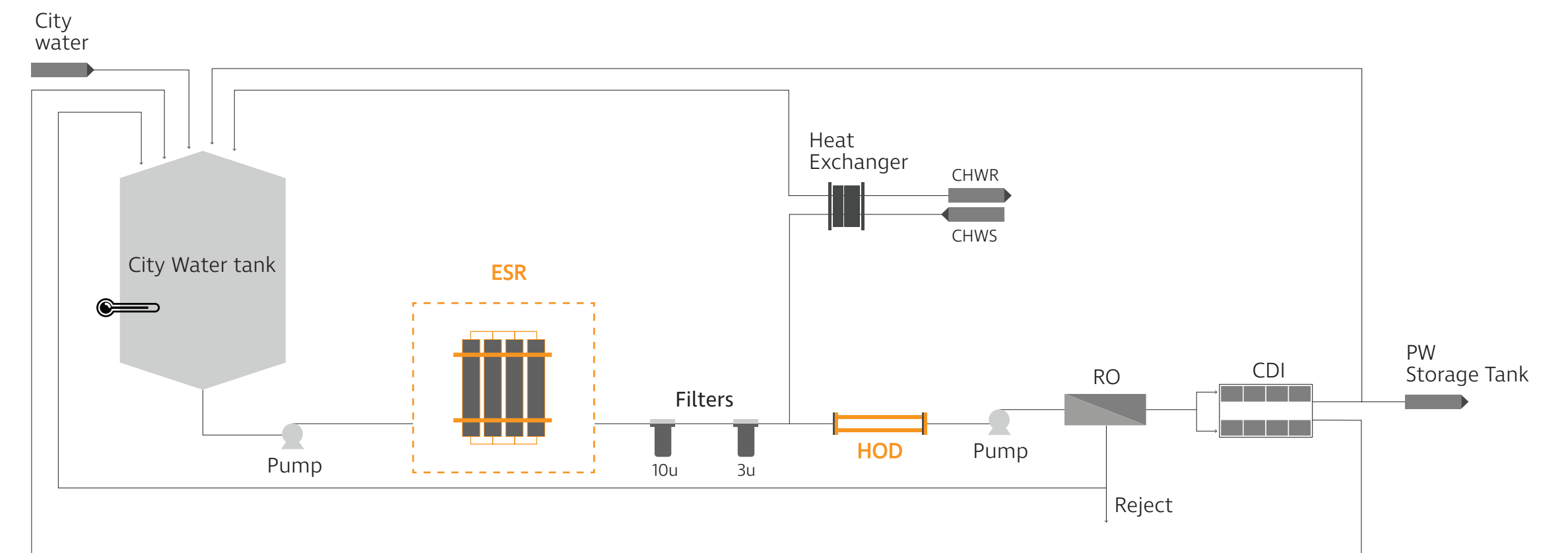
EP/USP/JP

Exceeding USP, EP and JP standards for PW & WFI

ISO/CE

ISO22519, ISO9001, ISO13485, CE Mark

Chemical and Media Free System PFD



Biopuremax Added Values

Electrolytic Scale Reduction (ESR™)

- No waste brine
- No salt and salt handling
- No organic resins
- No backwash or regeneration

Hydro Optical Dechlorination (HOD™) by UV Irradiation

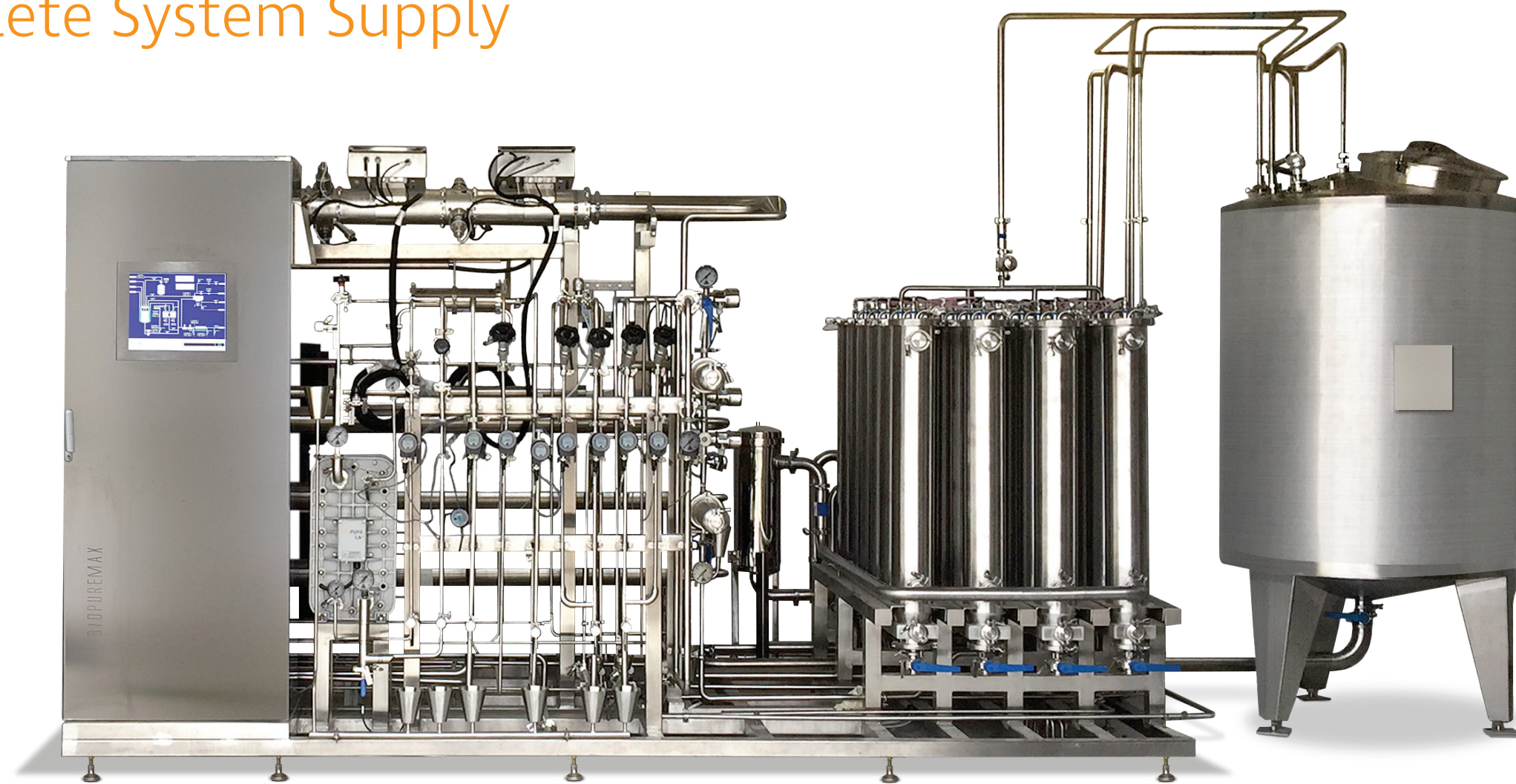
- No ACF - no biofilm
- No SBS - no chemical handling and no RO fouling
- Environmentally safe

Complete Hot Water Sanitization for total system

- RO Pretreatment fully fabricated of SS316L
- The most straightforward and effective solution for killing bacteria

CBR™ – Continuous Bioburden Reduction

Complete System Supply



Very Low Maintenance

ESR™

No maintenance, automatic cleaning

HOD™

Replace UV lamps & gaskets, every 6 months

RO-CEDI

No additional maintenance needed

Sanitization

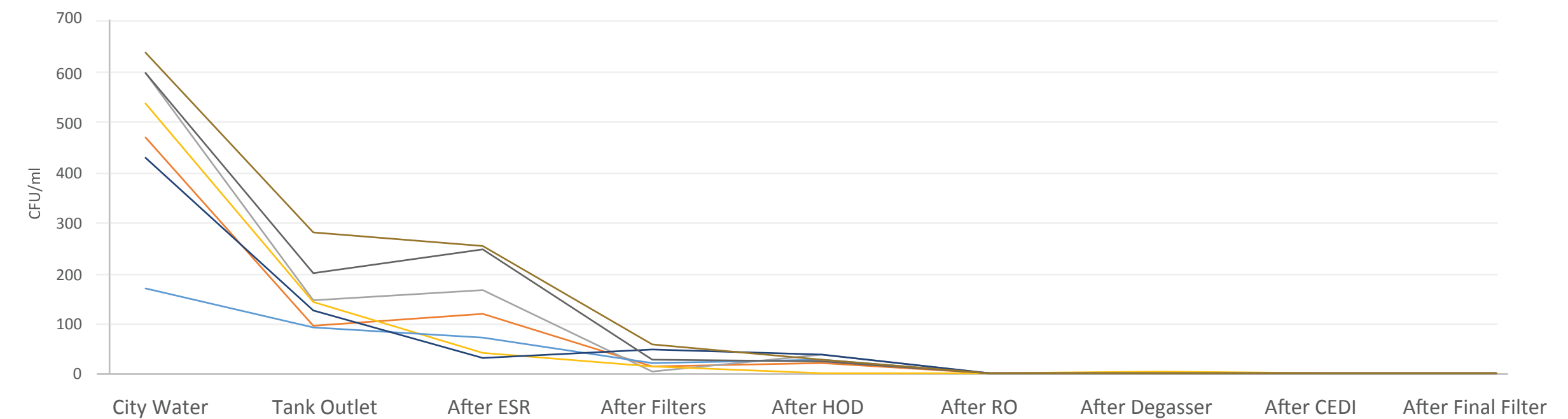
Automatic hot water sanitization from raw water inlet

Filters

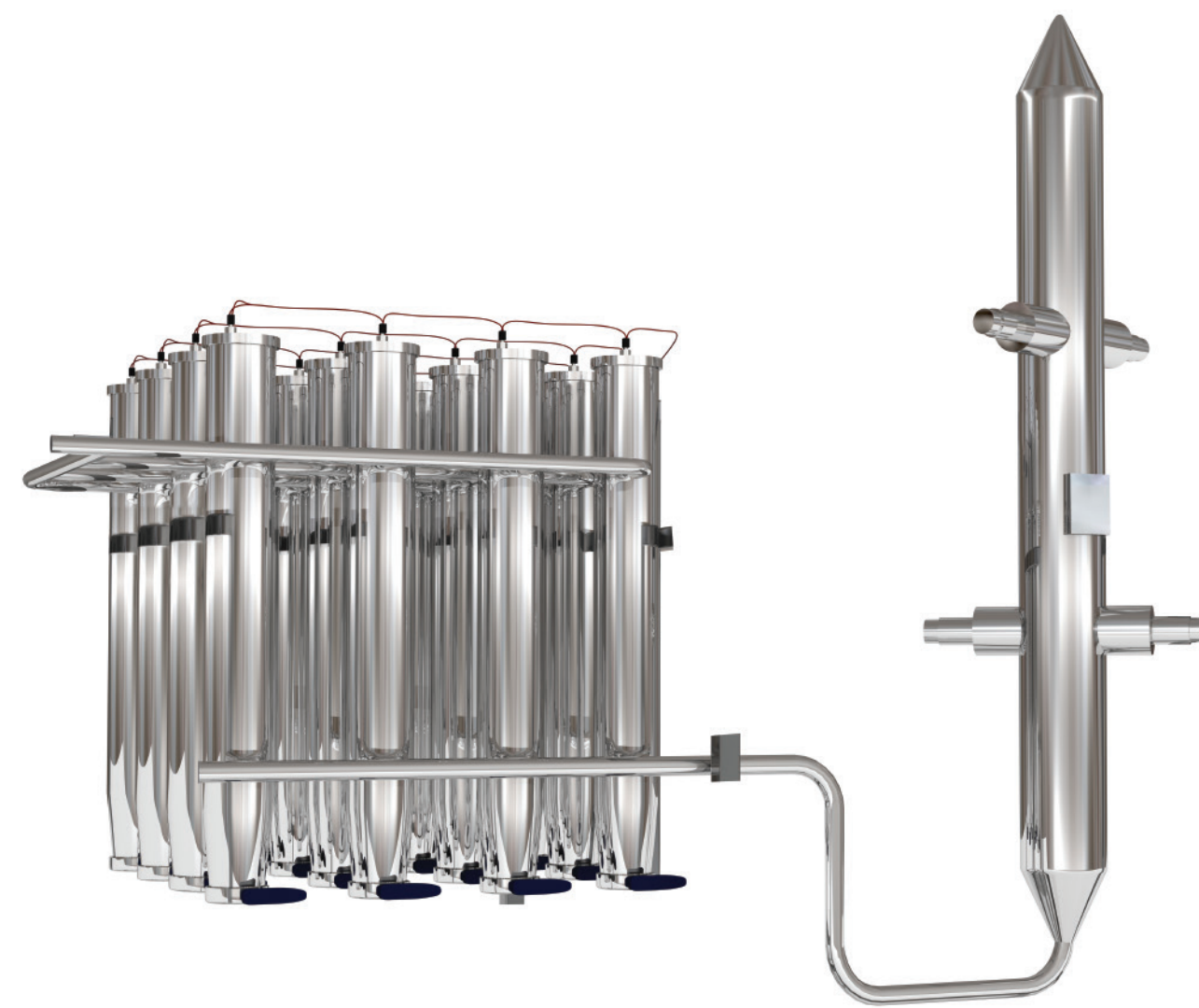
Replace pre RO filters per feed water

CBR™ – Continuous Bioburden Reduction

Biopuremax systems keep the whole system free of microbiological growth and biofilm



Biopuremax Pretreatment Technology



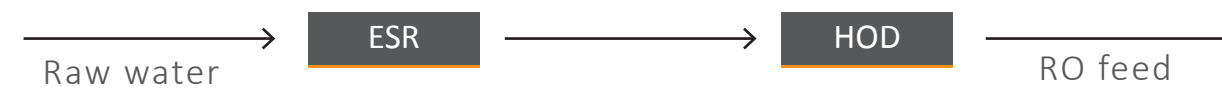
Electrolytic Scale Reduction (ESR™)

An elegant solution that replaces both ion exchange softeners and antiscalant chemicals.

An electrical current generates a high pH near the cathode which deposits scale in the reaction chamber and releases CO₂.

Hydro Optical De-Chlorination (HOD™)

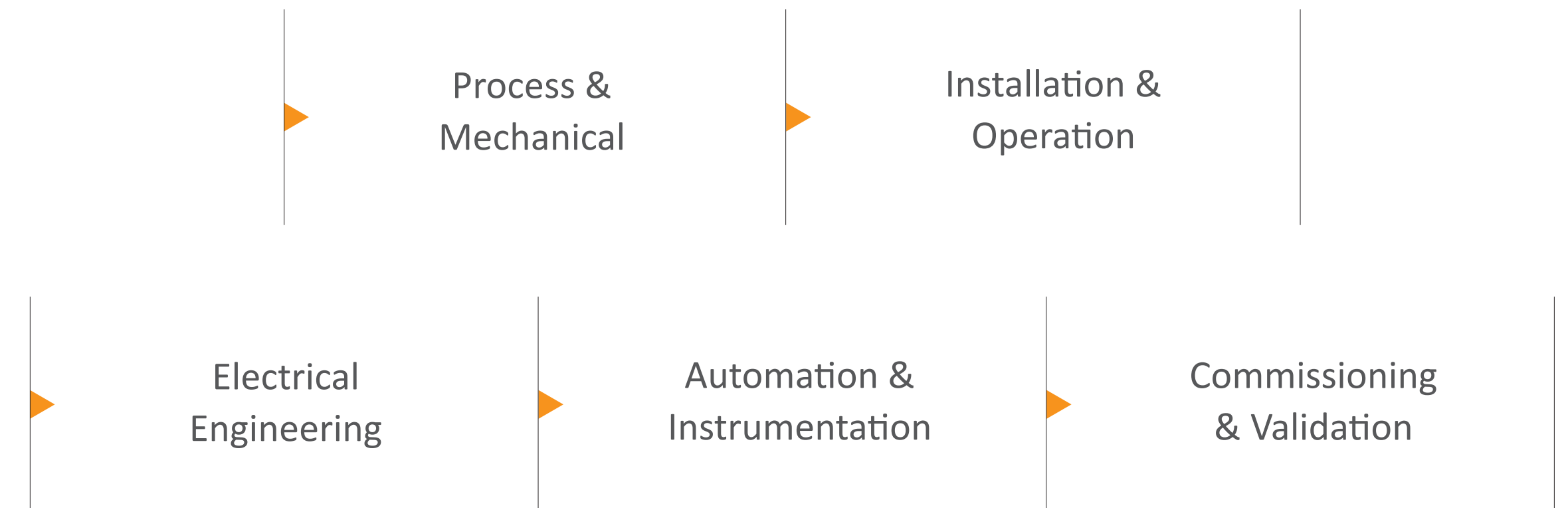
Treats the ESR water, by exposure to ultra violet radiation which decomposes the free chlorine and destruction of micro-organisms.



Biopuremax is a high end system that produces both PW and WFI. Biopuremax is one of the only systems that can produce WFI reliably without distillation due to very low microbiological levels throughout the system.

The Biopuremax water systems comply with the strictest requirements and highest standards for pharmaceutical water systems.

All capabilities in house



Biopuremax has over 20 years of experience in design, installation, validation and operation of high quality water systems

B I O P U R E M A X

Bringing Technology to Pharmaceutical Water

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