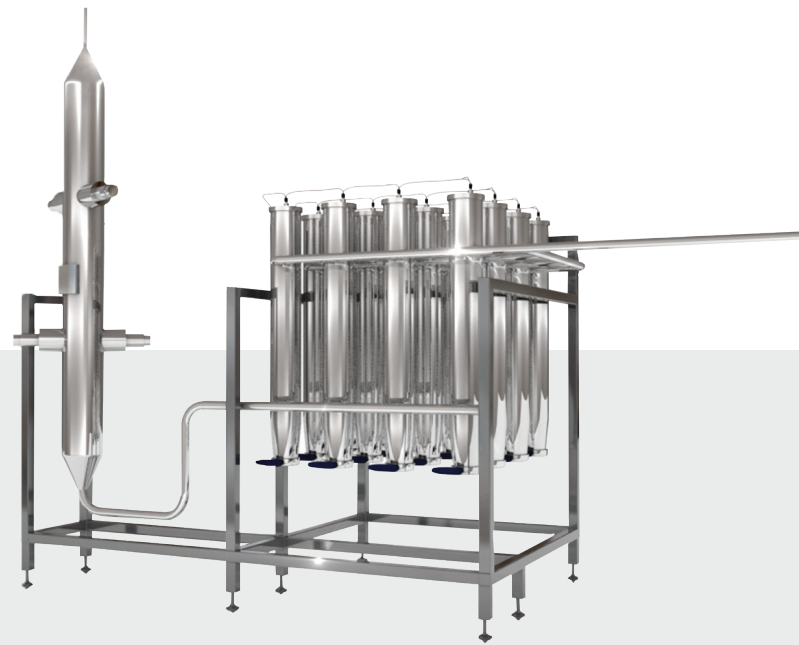


BIOPUREMAX

Bringing Technology to
Pharmaceutical Water



Revolutionary type of water system based on:

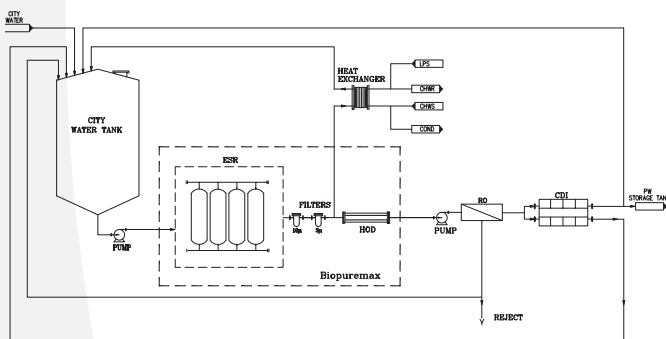
- Electrical scale precipitation (ESR)
- UV destruction of chlorine (HOD)
- SS construction with Hot Water Sanitization

No usage of resins for softening (no salt consumption), no carbon nor SBS for chlorine destruction.

Biopuremax combines: water savings, simplicity, reliability, no chemical usage, very low lifetime costs.

Biopuremax Features:

- Hot water sanitizable at 85°C (185°F)
- Continues Bioburden Reduction – less than 10 CFU/ml
- No regeneration
- No Salt needed
- No Active Carbon needed
- No Chemicals
- No effluent generation
- Removal of Silica, Manganese, Iron in feed water
- Very Low maintenance



For additional information and pricing,
please contact us at:

info@biopuremax.com

and on our website:

www.biopuremax.com

Environmental conditions

The Biopuremax must be installed indoors with max room temperature of 40°C (104°F)

Note:

Feed water specifications are for standard systems, the Biopuremax can be configured for nearly any type of feed water including high levels of incoming silica, iron and manganese.

Quotations are for typical levels as above, send worst case water analysis for tailor made solutions.

Feed Water Specifications

- Total Hardness (as CaCO₃): 20-300 ppm
- Chlorides: 11-20 ppm
- Iron: <0.1 ppm
- Silica: <2 ppm
- Manganese: <0.01 ppm
- CO₂: <30 ppm
- Conductivity: 200-800
- pH: 6-7.5



PW Capacity		Foot print		Operating Weight (not including electrical cabinet)		Electrical (Install/Operate)	Chilled water (Supply at 7°C, 45°F), cool after sanitization 3 hrs		Steam 7 barg (Sanitization heat up 2 hours)	
(L/hr)	gpm	mm x mm	ft.	kg	lbs		1000 Kg/hr	1000 Lb/hr	Kg/hr	Lb/hr
500	2.2	1,550x1,490	5.0'x4.9'	840	1,848	9.3/7.75	5.7	12.5	125	275
1,000	4.4	1,550x1,490	5.0'x4.9'	1,010	2,222	9.3/7.75	6.8	15.0	150	330
2,000	8.8	1,550x1,940	5.0'x6.4'	1,565	3,443	13.0/11.0	9.1	20.0	200	440
3,000	13.2	1,550x1,940	5.0'x6.4'	1,590	3,498	13.0/11.0	11.3	25.0	250	550
4,000	17.6	2,050x1,940	6.7'x6.4'	2,010	4,422	14.0/12.0	11.3	25.0	250	550
5,000	22.0	2,050x1,940	6.7'x6.4'	2,010	4,422	14.0/12.0	11.3	25.0	250	550
6,000	26.4	2,300x1,940	7.5'x6.4'	2,265	4,983	14.0/12.0	11.3	25.0	250	550
7,000	30.8	2,300x1,940	7.5'x6.4'	2,335	5,137	14.0/12.0	11.3	25.0	250	550
8,000	35.2	1,550x3,500	5.0'x11.5'	2,860	6,292	17.0/14.0	12.5	27.4	275	605
9,000	39.6	1,550x3,500	5.0'x11.5'	2,860	6,292	17.0/14.0	12.5	27.4	275	605
10,000	44.0	1,550x3,500	5.0'x11.5'	2,860	6,292	17.0/14.0	12.5	27.4	275	605
15,000	66.0	1,800x3,500	5.9'x11.5'	3,840	8,448	19.2/16.0	14.7	32.4	325	715
20,000	88.0	1,800x3,500	5.9'x11.5'	4,070	8,954	19.2/16.0	14.7	32.4	325	715

Note:

The above data is pretreatment for single pass RO, if double pass RO is needed please state.

Performance:

Parameter	Feed water	After Biopuremax
Total Count (cfu/ml)	<500	<10
Hardness (PPM CaCO ₃)	<400	390
Pseudomonas (per ml)	0-10	0
E-Coli (per ml)	0-100	0
Coliforms (per ml)	0-100	0