

BioPure LSX

BioPure LSX WFI system for pharmaceutical applications combines all the components required to expertly deliver and maintain validated WFI pharmaceutical grade water.



Benefits

Sustainability

- Variable production for reduced water consumption
- Recovery of reject streams
- Multiple operating modes (high recovery, watermizer, standby)
- Self-adjusting reject flows based on feed conductivity

Sanitizable

- User-scheduled automatic hot water sanitization
- Sanitizations with purified water
- Independent carbon sanitizations
- Built in CIP function
- 316L Sanitary SS piping design

Serviceability

- Ergonomic Design
- Planned maintenance program
- Non-proprietary components for greater flexibility
- Global service network

Additional Features

- No brine injection required for electrodeionization function
- Ethernet IP, Bacnet and other communication protocols available
- Trending and datalogging of critical parameters with additional event and alarm notification via email;
- Remote Monitoring and Control with 2 step authentication and encrypted communications
- 21CFR-11 Ready
- 6000MWCO Ultrafilter in cross-flow configuration with retentate recovery

New Eco +
Version



IIoT
Ready



Compact

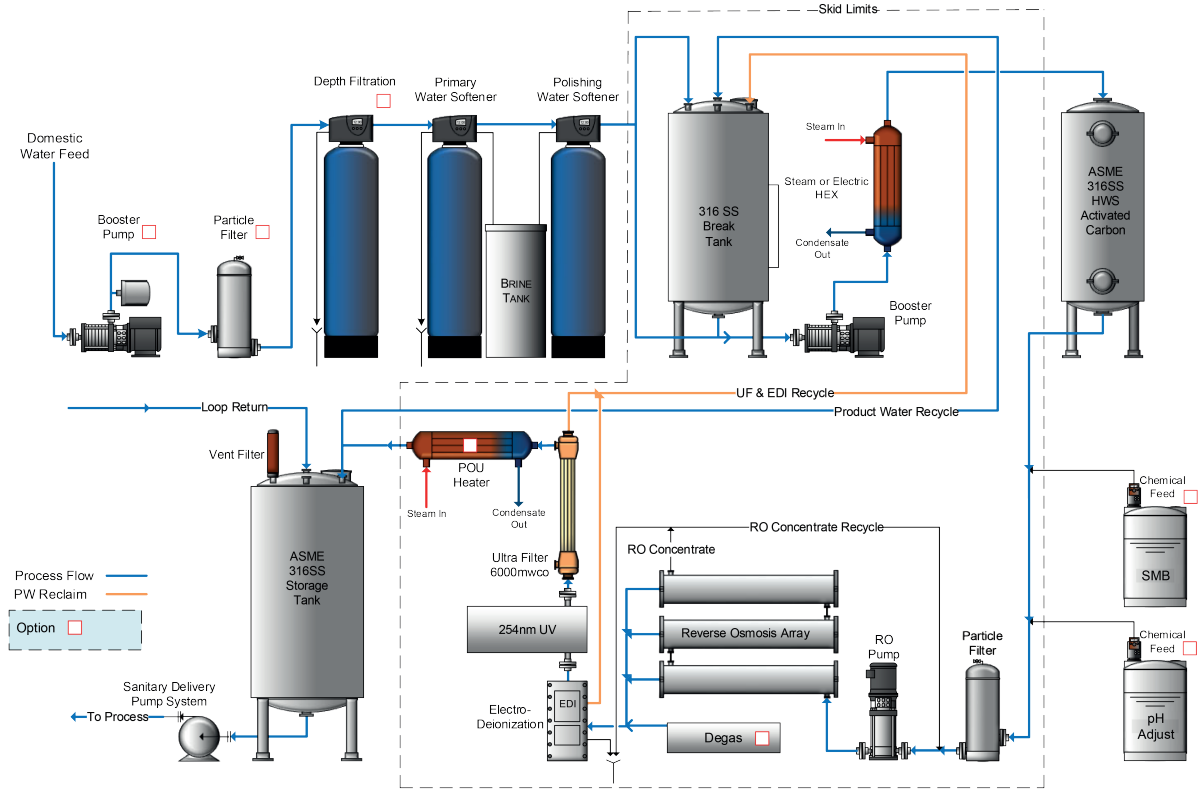


Sustainability

Process

The base system is a compact centralized single pass RO-EDI system designed to produce WFI purified water grade. The BioPure LSX WFI has been designed to minimize energy consumption, while the automated heat sanitization process allows for greater bacterial control. This reduces the need for chemicals and leads to increased peace of mind and less down time. The BioPure LSX is designed to ASME BPE post RO, with flexible configurations for site specific feedwater qualities and space requirements. All factory tested to streamline startup with full validation documentation packages available.

Flow diagram



Technical data

Model	LSX6.5 WFI	LSX15 WFI	LSX20 WFI	LSX30 WFI	LSX40 WFI	LSX60 WFI	LSX80 WFI	LSX100 WFI
Product Flow Rate at 77°F (25°C)	2.5 to 6.2 US gpm (9.5 to 23.5 lpm)	7.0 to 14.25 US gpm (26.5 to 53.9 lpm)	14.0 to 19.0 US gpm (53.0 to 71.9 lpm)	16.0 to 28.5 US gpm (60.6 to 107.9 lpm)	26.0 to 38.0 US gpm (98.4 to 143.9 lpm)	40.0 to 57 US gpm (115.4 to 215.8 lpm)	60.0 to 76.0 US gpm (115.4 to 287.7 lpm)	80.0 to 95.0 US gpm (302.8 to 359.6 lpm)
Dry Weight	3,450 lbs (1,565 kg)	4,200 lb (1,905 kgs)	5,000 lbs (2,268 kg)	6,420 lbs (2,912 kg)	6,800 lbs (3,084 kg)	7,940 lbs (3,602 kg)	16,000 lbs (7,258 kg)	16,660 lbs (7,557 kg)
Dimensions Inches (mm)	122" L x 66" W x 80" H (3,099 x 1,676 x 2,032)cm			143" L x 88" W x 84" H (3,099 x 2,235 x 2,134)		155" L x 88" W x 84" H (3,937 x 2,235 x 2,134)	232" L x 88" W x 88" H (7,010 x 2,235 x 2,235)	
Power	460, 575VAC / 3PH / 60HZ, Up to 45 Kw based on size							
Control Power	120VAC/1PH/60HZ, 0.2 to 1.5 KW based on options							
Recovery	75% - Up to 95% during recycle mode							
Purified Hot Water Sanitization Break Tank								
Tank Volume	100 US Gal (378 litres)							
Material	316 Stainless Steel and Insulated Jacket							
Tank Rating	Atmospheric							