

Standard (S) systems include on one skid for 5-gpm or 10-gpm or two skids for 20-gpm

- One (1) 316-SS Multi-Stage System Feed Pump
- One (1) inlet uS & flow sensor for feed-forward regeneration
- Two (2) Carbon Filters for chlorine & organics removal
- Two (2) Filter Housings for 5-micron Bag Filters for TSS
- Two (2) Cation Exchangers with regeneration control valve
- Two (2) Anion Exchangers with regeneration control valve
- One (1) outlet uS & pH sensor for feed-back regeneration
- Three (3) actuated valve for feed, product & off-spec water control
- One (1) 316 SS DI Water Pump rated for 25-gpm @ 60-psi
- One (1) 3-gpm UV Sterilizer to inhibit algae growth
- One (1) Controller with Allen Bradley (AB) CompactLogix PAC
- One (1) AB 7" Panelview for Human-Machine Interface
- One (1) or Two (2) 304-Stainless steel polyurethane-coated skid(s)



System Selection

1. System Size?

- 5-gpm, 10-gpm or 20-gpm

2. Is there analytical data of feed water?

- If "Yes" supply water data for review
- If "No" provide application details to confirm suitability

3. Is Total Dissolved Solids (TDS) in feed water <450 mg/L?

- If "Yes" this is a suitable application
- If "No" but is <600 mg/l provide flow to confirm suitability

4. Are there Specifications for Recycled Water Quality?

- If "Yes" answer the following questions A and B
- If "No" specifications provided in datasheets apply

A. Is the required water quality better than 3 uS/cm?

- If "Yes" the HP is required and will produce 3-5 Meg-Ohm
- If >3-5 Meg-Ohm, mixed-bed polishing resin is required

B. Are there specifications for pH, TOC, silica, or particles?

- If "Yes", provide specifications to confirm suitability
- If "No" specifications provided in datasheets apply

5. Does the influent contain >5 mg/l of suspended solids?

- If "Yes", the EP is required for up to 50 mg/l TSS
- Combined HP and EP require custom system

6. Does the customer have a wastewater treatment system?

- Neutralization is required for non-metal bearing feed water
- Metals precipitation is required for metal-bearing feed water
- If there is no treatment system, we can specify and propose

7. Select volume for both System Feed and DI Water Tanks

Tank Volume	Dimensions	Comment
300 gallons	35"D x 80"H	Minimum for CIX5
500 gallons	48"D x 76"H	Optional for CIX5
750 gallons	48"D x 99"H	Minimum for CIX10
1,000 gallons	64"D x 81"H	Optional for CIX10
1,500 gallons	61"D x 115"H	Minimum for CIX20
2,000 gallons	64"D x 156"H	Optional for CIX20

8. Systems

- Standard - includes all components detailed on the page 1
- Optional Adders - EP with Macrolite or HP with Polishing Cation
- Required Adders - System Feed & DI Water Tanks at above cost

System	Macrolite Filter	Carbon	Bag Filter	Cation	Anion	Polishing Cation	Flow	Quality
CIX5S	N	Y	Y	Y	Y	N	5-GPM	< 5 Us/CM
CIX5EP	Y	Y	Y	Y	Y	N	5-GPM	< 5 Us/CM
CIX5HP	N	Y	Y	Y	Y	Y	5-GPM	< 5 MgOhm
CIX10S	N	Y	Y	Y	Y	N	10-GPM	< 5 Us/CM
CIX10EP	Y	Y	Y	Y	Y	N	10-GPM	< 5 Us/CM
CIX10HP	N	Y	Y	Y	Y	Y	10-GPM	< 5 MgOhm
CIX20S	N	Y	Y	Y	Y	N	20-GPM	< 5 Us/CM
CIX20EP	Y	Y	Y	Y	Y	N	20-GPM	< 5 Us/CM
CIX20HP	N	Y	Y	Y	Y	Y	20-GPM	< 5 MgOhm

9. Installation and Deliverables

- Typical lead-time is 6 to 8 weeks from receipt of purchase order and initial payment
- Deliverables include electrical schematics, Installation Manual, and O&M Manual
- Warranty is 12-months from date of installation as detailed in proposal Terms & Conditions

