

**Elite Systems** include the following on one skid for 5-gpm 10-gpm or 15-gpm

- One (1) 316-SS Multi-Stage System Feed Pump
- One (1) inlet uS & flow sensor for feed-forward regeneration
- One (1) Filter Housing 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) Allen Bradley (AB) CompactLogix PAC Controller
- One (1) AB 5" Panelview for Human-Machine Interface
- One 150-gal HDLPE System Feed Tank with analog level sensor



**Swift Systems** have the following simplified regeneration controls

- One (1) Click PLC for system operation
- One (1) uS sensor for outlet & recirculation control
- One (1) On/Off switch for feed pump activation
- Volumetric regeneration by valve internal water meter

## System Selection

### 1. System Size?

- 5-gpm, 10-gpm or 15-gpm

### 2. Is this system used to purify potable water?

- If "Yes", then go to the next question
- If "No", consult with us to specify a CIX recycling system

### 3. Is there analytical data of feed water?

- If "Yes" supply water data for review
- If "No" we require answers to the following questions A, B, & C

#### A. Is feed water Total Dissolved Solids <450 mg/L?

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

#### B. Does feed water contain >2 mg/l of chlorine?

- If "Yes", an off-skid carbon pre-filter is required that we can specify

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

- If "Yes", an off-skid Macrolite pre-filter is required that we can specify

**4. Are there specifications for the product DI water?**

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

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

- If "Yes" a CIX HP-type system or off-skid mixed-bed 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 customer have a wastewater treatment system?**

- Neutralization is necessary although does not require a permit
- If there is no treatment system, we can specify and propose

**6. Systems**

- Standard Elite & Swift - includes components detailed on the page 1
- Optional Adders – Off-Skid integrated Macrolite or Carbon pre-filters

System	Flow
WDI5 Elite	5-GPM
WDI10 Elite	10-GPM
WDI15 Elite	15-GPM
WDI5 Swift	5-GPM
WDI15 Swift	10-GPM
WDI15 Swift	15-GPM

**7. Installation and Deliverables**

- Typical lead-time is 6 weeks from purchase order and initial payment
- Deliverables include electrical schematics, Installation and O&M Manual
- Warranty is 12-months from installation per proposal Terms & Conditions

