

Quick Guide to New Features:

- The new start up screen ensures macros are enabled before starting a projection
- Pop-ups help guide CO₂, HCO₃, & pH inputs to be accurate; recommendations given in percentages
- Explicit data entry avoids confusion:
 - When working with RO Analysis Values (default) the Direct Input Values will be grayed out, and vice-versa
 - To switch, type into one of the green boxes in the grayed out section
 - RO Analysis now has a MISC section for other data like pH, CO₂, & silica
 - When switching between Input types, the previous section will default to all zeros
- Report screen highlights the input method being used
- Enter site-specific cost per kW*h

Remember:

- OEMs can choose RO configuration: one-pass RO, one-pass plus Liqui-Cel® GTM for CO₂ reduction, or two-pass RO.
- Quick links to the product brochures on the SnowPure website.

Tips for Using EDICAD™ 3:

- Use EDICAD™ to learn about building better EDI systems by learning the importance of how EDI feedwater affects product quality.
- **Enable macros**
 - Click “Enable Macros” when Excel starts.
 - EDICAD™ needs macros. If the splash screens and buttons don’t function, then your macros are disabled! Set macro security to medium and restart Excel.
 - If you are having trouble please contact Customer Service at info@snowpure.com or call +1.949.240.2188.
- Changing each setting alters the result of the projection. Save up to five different cases to compare various scenarios.

SUMMARY OF INFORMATION FROM INPUT PAGE									
CATIONS IN RO WATER ANALYSIS					DIRECT INPUT VALUES				
		mg/l							
	Ion	CaCO3	meq/l		Conductivity	µS/cm	0.0	Estimate of FDI Conductivity	
Calcium	Ca	0.000	0.000	0.000	pH		7.0	Input RO pH	
Magnesium	Mg	0.000	0.000	0.000	Hardness	CaCO3	0.000		
Sodium	Na	0.000	0.000	0.000	Hardness	SiO2	0.000		
Potassium	K	0.000	0.000	0.000	Hardness	mg/l	0.000		
Ammonium	NH4	0.000	0.000	0.000	Meas. CO2	CO2	0.00	Meas. CO2 mg/l as CaCO3	
Barium	Ba	0.000	0.000	0.000	Total CO2	CO2	0.00	Total CO2 mg/l as CaCO3	
Strontium	Sr	0.000	0.000	0.000	Residual Alkalinity	mg/l	0.0	Residual Alkalinity	
Iron	Fe	0.000	0.000	0.000	Est. CO2	mg/l	0.0	Est. CO2 from m-AB, and pH	
Manganese	Mn	0.000	0.000	0.000	Est. HCO3	mg/l	0.0	Est. HCO3 from m-AB, and pH	
Hydronium	H	0.00010	0.005	0.00010	Est. CO2 P	mg/l	0.0	Est. CO2 P from m-AB, and pH	
Total Cations			0.000						
ANIONS IN RO WATER ANALYSIS					VALUES FROM INPUT PAGE				
		mg/l							
	Ion	CaCO3	meq/l				Value		
Carbonate	CO3	0.000	0.000	0.000	EDI Inlet Temperature	°C	20.0		
Bicarbonate	HCO3	0.000	0.000	0.000	EDI Product Flow	m3/h	0.10		
Sulfate	SO4	0.000	0.000	0.000	Hardness	ppm	0.44		
Chloride	Cl	0.000	0.000	0.000	EDI System Recovery	%	90		
Fluoride	F	0.000	0.000	0.000	Inlet Backpressure	Bar	0.01		
Nitrate	NO3	0.000	0.000	0.000	Conc. Backpressure	Bar	0.00		
Hydroxyl	OH	0.002	0.005	0.00010	Electr. Backpressure	Bar	0.00		
Total Anions			0.000		Type of Module	XL or EXL	XL-100-R		
					Number of Modules	#	1		
					Est. cost of a kW/h	USD	0.14		
Balance of RO Analysis					DESIGN FEED WATER CONDUCTIVITY				
	pH		Post RO pH	7.00	From DIRECT INPUT VALUES or estimated conductivity				
Organics	TOC		Post RO TOC	0.00	Feed Conductivity	µS/cm	0.0		
Silica	SiO2		Post RO SiO2	0.00	0.00 ppm as NaCl				
					0.00 ppm as CaCO3				
From RO permeate WATER ANALYSIS including Silica & CO2					Total Carbon Dioxide, CO2+HCO3				
					0.00 µS/cm				
					0.00 ppm as SiO2				
					0.00 µS/cm				
					0.00 ppm as SiO2				
					0.00 µS/cm				
					0.00 µS/cm				
					0.00 µS/cm				

2. INPUT SYSTEM AND PROCESS PARAMETERS

PHYSICAL			MODULES REQUIRED/COST			
Parameter	Value	Unit	Series:	Estimate*	Entry	Remarks:
EDI Inlet Temperature	20	°C	Choose Brochure!	Electropure module	XL-100 Series	XL-100-R
EDI Product Flow	0.10	m3/h	Then click here for link:	Number of modules	1	1
	0.44	gpm		Est. Cost of a kW*h	0.14	0.14
EDI System Recovery	90	%	Confirm RO Setup, module type, module quantity and kW/h cost!			
Prod. Backpressure	0.01	Bar				
Conc. Backpressure	0.00	Bar				
Electr. Backpressure	0.00	Bar				

CHOOSE RO SETUP

Selected RO Setup:
One-Pass RO

EDICAD™ is an estimating program. This software is designed to help OEMs bid, design, and build the best EDI systems in the world. It is to help our customers show their customers the operating cost and benefits of EDI technology.

DISCLAIMER: EDICAD™ does not infer any cost or performance guarantees. It is up to the OEM to use best practices in the design of their systems.