

SnowPure

High Technology Water

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EDICAD™ 3

What's new to EDICAD™ v3.9:

- New start screen to enable macros
- Program stability improved
- Print directly to a PDF file
- Improved CO₂, HCO₃, & pH balance check
- Added new products, such as EXL-850

1. INPUT FEED WATER ANALYSIS DATA (FROM RO-CALCULATION)					
Enter DIRECT INPUT VALUES (RO Water Analysis will override if present)					
RO WATER ANALYSIS-CATIONS			RO WATER ANALYSIS-ANIONS		
		mg/l as ion			mg/l as ion
Calcium	Ca	0.000	Carbonate	CO3	0.000
Magnesium	Mg	0.000	Bicarbonate	HCO3	0.000
Sodium	Na	0.000	Sulfate	SO4	0.000
Potassium	K	0.000	Chloride	Cl	0.000
Ammonium	NH4	0.000	Fluoride	F	0.000
Barium	Ba	0.000	Nitrate	NO3	0.000
Strontium	Sr	0.000			
Iron	Fe	0.000	RO WATER ANALYSIS - MISC		
Manganese	Mn	0.000	pH	pH	7.000
			Organics	TOC	0.000
			Silica	SiO2	0.000
			CO2	CO2	0.000
			Chlorine	Cl2	0.000
			Ozone	O3	0.000
Charge Balance: O.K.					
pH in range? O.K.					
Alkalinity Balance: O.K.					
pH, HCO3, CO3 Bal: Imbalance; Check pH, CO2, & HCO3					

DIRECT INPUT VALUES			
		Value	Unit
pH	pH	0.00	pH
RO Conductivity		0.00	µS/cm
Meas CO2	CO2	0.00	mg/l CO2
Meas HCO3	HCO3	0.00	mg/l HCO3
Silica	SiO2	0.00	mg/l SiO2
Meas Alkalinity	m-Alk	0.00	mg/l CaCO3
Hardness	Ca+2	0.00	mg/l
Organics	TOC	0.00	mg/l C
Chlorine	Cl2	0.00	mg/l Cl2
Ozone	O3	0.00	mg/l O3
FCE, calc		0.00	µS/cm

pH: required, if not known set at 7.00
Total (m-alk) required to calculate CO2, bicarbonate, carbonate

The program uses the RO-permeate analysis to calculate EDI performance
If analysis is not available, the program will use entered conductivity and calculated CO2

About EDICAD™ 3:

SnowPure's EDICAD™ Projection Program uses Microsoft Excel for PC. It helps OEMs estimate the performance of a pure water integrated system during the design and bid phase. The program uses specific ion feed (from RO permeate estimate/analysis) to compute the variables critical for optimal EDI system design and operation. These estimates include: product resistivity (MΩ.cm), silica content (ppb), expected electrical cost (based on the input cost/kWh), pressure drops, and more.

Quick Guide to New Features:

