



Compact CDI® Systems

Flow Rates from 0.5 to 4 gpm

USFilter Compact CDI® (Continuous Deionization) Systems are ideal for laboratory and small process applications requiring continuous high-purity water.

- Combines an electronic controller, DC power supply, system hydraulic controls and CDI module — all within a single cabinet, requiring less than 2.5 square feet of floor space
- Produces high-purity water without the need for chemical regeneration
- Comes with product quality monitor and alarm, flow switches and controls to coordinate operation of external equipment such as valves and pretreatment
- Produces water that meets USP specifications
- Pre-piped, pre-wired and factory tested

SYSTEM SPECIFICATIONS

Model Number	CCDIS10	CCDIS20	CCDIS40
Product flow, minimum, gpm (lph)	0.44 (100)	0.50 (120)	1.0 (240)
Product flow, nominal, gpm (lph)	0.5 (120)	1.0 (240)	2.0 (480)
Product flow, maximum, gpm (lph)	1.0 (240)	2.0 (480)	4.0 (960)
Recovery	80-95%	80-95%	80-95%
CDI Module	C010	C020	C040
Connections: Feed, Product and Reject	1/2" FNPT	1/2" FNPT	1/2" FNPT
Drain capacity, gpm (lph)	0.5 (120)	0.5 (120)	0.5 (120)
Feed Pressure Range			
psi	20-60	20-60	20-60
bar	1.5-4.0	1.5-4.0	1.5-4.0
W x D x H			
inches	22x14x45	22x14x45	22x14x45
cm	55x35x114	55x35x114	55x35x114
Weight (operating)			
lb	98	103	108
kg	44	47	49
Electrical Requirements			
Volt/Phases/Hz	115/1/60	115/1/60	115/1/60
	220/1/50	220/1/50	220/1/50
	230/1/60	230/1/60	230/1/60

FEED WATER SPECIFICATIONS

Temperature	10-35°C (50-95°F)
Minimum Pressure	20 psig (1.38 bar)
Maximum Pressure	60 psig (4.14 bar) at 35°C
Maximum Total Chlorine	< 0.02 ppm
Iron	< 0.01 ppm
Manganese	< 0.01 ppm
Sulfide	< 0.01 ppm
pH	4-10
Maximum Total Hardness with RO feed is typically:	80% recovery: <5.0 ppm 90% recovery: <1.0 ppm 95% recovery: <0.5 ppm

Replacement modules

- 10 Filled Cell Pairs = CCDIM10CP
- 20 Filled Cell Pairs = CCDIM20CP
- 40 Filled Cell Pairs = CCDIM40CP

ORDERING INFORMATION

Catalog Number:	CCDIS	XX	X	X
System Name	CCDIS	10 = 0.5–1.0 gpm (C010 cell) 20 = 1.0–2.0 gpm (C020 cell)	Digit Req'd	1 = 115V 60 Hz 2 = 220V 50 Hz 3 = 230V 60 Hz
Number of Cells (Size of System)		40 = *2.0–4.0 gpm (C040 cell)		
Electrical Requirements*				

*The 40 cell unit is only available in 230V 60Hz or 220V 50Hz.
To determine your order number, replace the X with one of the numbered options below it.
"0" must be specified if option is not requested.