

Title: VNX Product Family Updates

Date: July, 2013

Scope: This bulletin applies only to the following Ionpure CEDI models:
IP-VNX50-1, IP-VNX50-2, IP-VNX50-3, and IP-VNX55-2

Purpose: The purpose of this service bulletin is to inform the field sales and service organization of evolutionary changes to the VNX CEDI module product line and to clarify differences between the old and new modules.

Model	Spacer	Endblock Seal	Cells per stack	Nominal flowrate		End offset*	
				gpm	m ³ /h	in	mm
VNX50-1	Gen 1	O-ring	45	50	11.4	N/A	N/A
VNX50-2	Gen 1	O-ring	45	50	11.4	5.53 ± 0.35	140 ± 8.9
VNX50-3	Gen 2	Gasket	45	50	11.4	11.39 ± 0.30	289 ± 7.6
VNX55-2	Gen 2	Gasket	50	55	12.5	6.15 ± 0.30	156 ± 7.6

* From housing face to endblock flat face.

The VNX50-3 is offered as the most economical replacement for a VNX50-1 or VNX50-2 where plumbing connections are made to the fixed end only, and thus the location of the floating end is not important. Additional pipe length will be required for plumbing connections to the floating end (see Figure 1).

The VNX55-2 would be used where additional capacity is desired. It maintains the floating end location as close as possible to the floating end of the VNX50-2.

VNX50-1 and earlier VNX modules were provided with yellow cables for the DC power connections but did not include a junction box. VNX50-2, VNX50-3 and VNX55-2 modules are provided with a junction box for DC power connections. The junction box is mounted on the floating endblock. As with the endblock plumbing connections, the module type and junction box location must be considered in retrofit situations. Since electrical connections are often made with flexible conduit, this is often less of an issue

than with hard piping connections.

Complete dimensional comparisons are given in the following drawings

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|-----|--------------------|-----|----------------------------|
| [a] | VNX50-1 to VNX50-2 | [b] | VNX50-1 to VNX50-3 |
| [c] | VNX50-1 to VNX55-2 | [d] | VNX50-2 to VNX50-3 |
| [e] | VNX50-2 to VNX55-2 | [f] | Pipe adaptation comparison |

End-users currently operating systems with VNX50-2 modules requesting rebuild or replacement modules will have the option of either VNX50-3 or VNX55-2 modules.

Figure 1, below, shows one example of how the EDI module type can affect the length of the module piping adapter in a retrofit situation.

Figure 1 Example with three different modules connected to same pipe manifold

