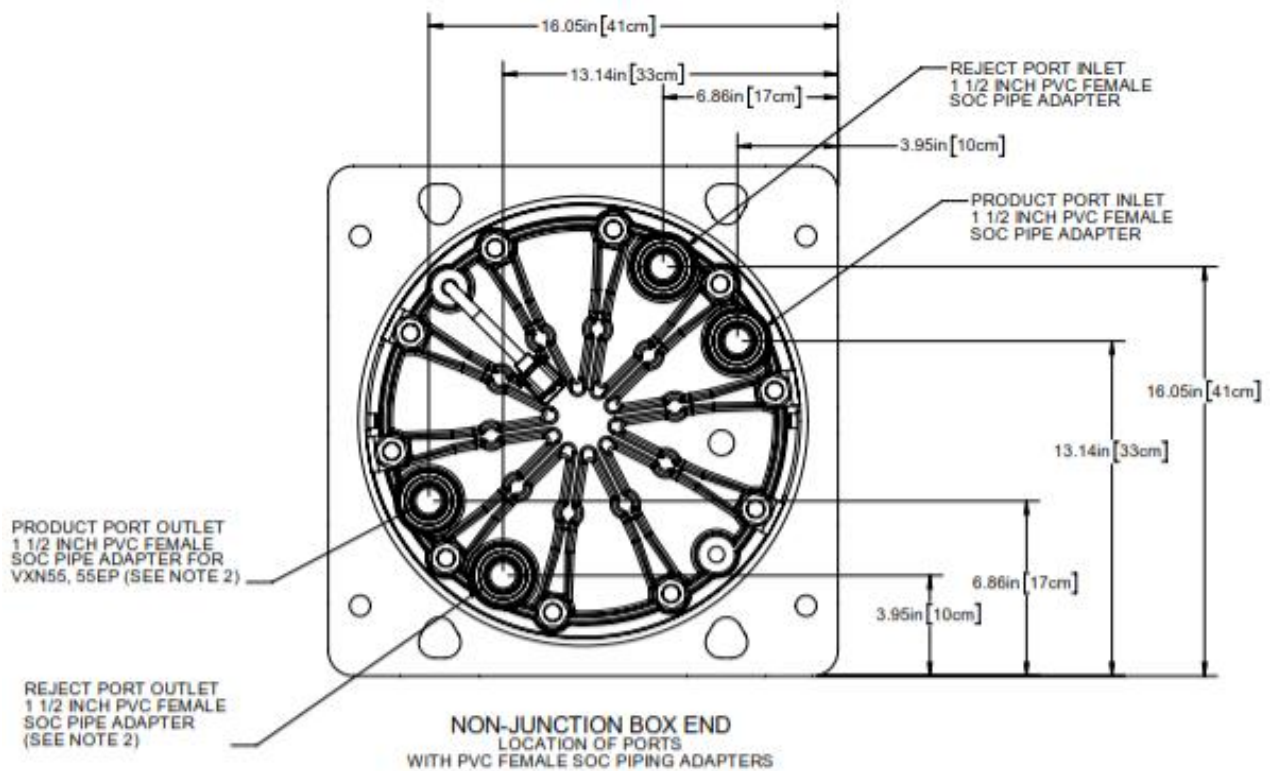
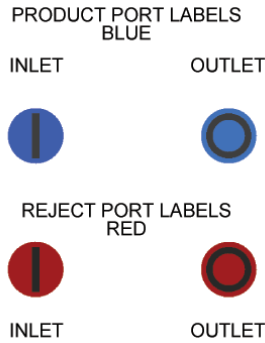


CEDI Module

VNX Modules with ACME Connections (all models and sizes)

Ionpure VNX modules have a cast aluminum endplate with female ACME thread connections. There are four (4) connection points:

- Product (Dilute) Inlet
- Product (Dilute) Outlet
- Reject (Concentrate) Inlet
- Reject (Concentrate) Outlet

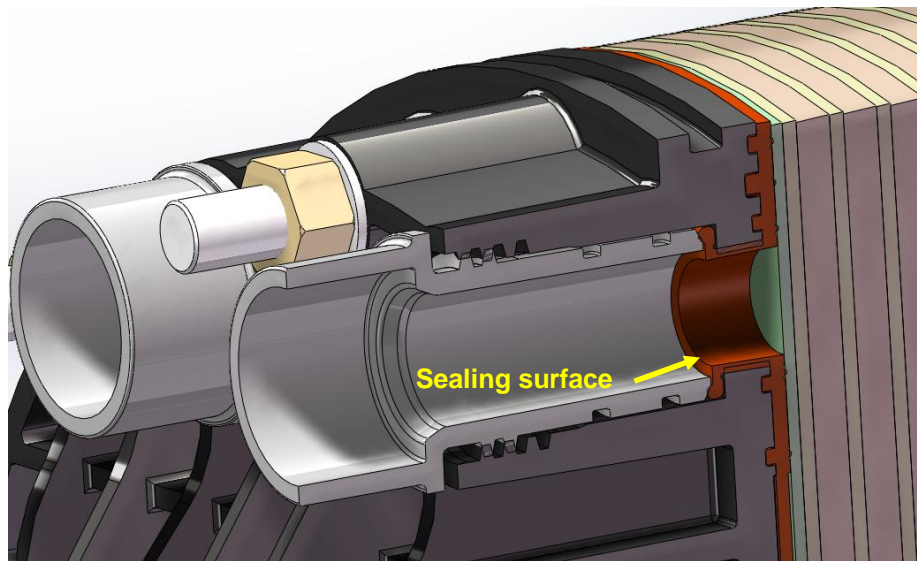


CEDI Module

VNX Modules with ACME Connections (all models and sizes)

There are several important points regarding the VNX ACME piping connections:

CAUTION **SEALING MECHANISM** - The seal is created by the end face of the piping adapters (or plugs) and the surface of the VNX endblock gasket. The female threads in the endplate are ACME threads. They are **NOT TAPERED PIPE THREADS** and **DO NOT CREATE THE SEAL**, they simply allow the sealing surfaces to move towards each other and they hold the piping adapters in place.



USE OF SEALANTS - DO NOT use Teflon® tape or any other pipe sealant (such as pipe dope) on the VNX ACME thread adapters. The use of these products on the VNX adapters will prevent good sealing.

O-RINGS – O-rings are no longer required on the ACME piping adapters. The O-rings will make it more difficult to tighten the adapters and will make them seem tight before they have properly sealed on the endblock gasket.

PIPING ADAPTER MATERIAL - To avoid corrosion, the piping adapters and plugs must be non-metallic. Standard adapter kit (supplied with VNX module):

- Model number IP-VNX-CK-PVC-2
- Part number W3T17350
- Material is molded poly vinyl chloride (PVC)
- Pipe connection is 1.5 " SOC
- Non-Ionpure adapters must be made to Ionpure drawings W2T271842 and W2T271845

Optional adapter kit (must be ordered separately):

- Model number IP-VNX-CK-PP-2
- Part number W3T17348
- Material is machined natural unpigmented polypropylene (PP)
- Pipe connection is 50 mm for butt welding
- Non-Ionpure adapters must be made to Ionpure drawings W2T273968 and W2T273969

CEDI Module

VNX Modules with ACME Connections (all models and sizes)



ADAPTER TIGHTENING - It was previously recommended that VNX ACME plumbing adapters be tightened hand-tight or to a torque of ≤ 6.0 ft-lbs (8.1 N-m). It has been determined that this does not provide the best seal at the adapter/endblock gasket interface, so the procedure has been updated to the following:

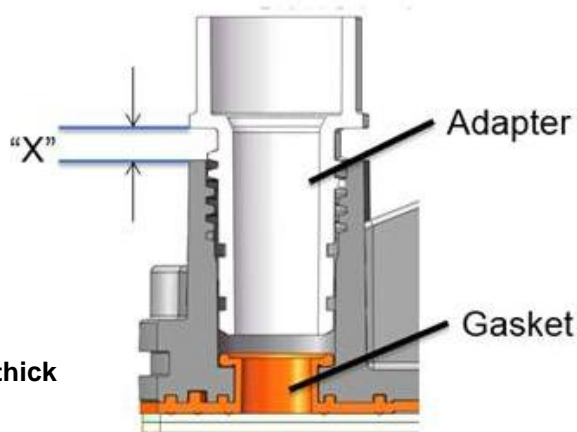
[1] Do not install O-rings on the circumference of the VNX ACME-thread piping adapters or plugs. The O-rings make it more difficult to properly tighten these parts.

[2] Tighten the adapter or plug until the gap between the endblock and the “shoulder” on the piping adapter or plug is between 0.03” (0.76 mm) and 0.06” (1.52 mm). This is shown in the picture below. It should be possible to accomplish this by hand but if necessary a wrench can be used. You should only need 10 - 30 ft-lbs (13.6 - 40.7 N-m) of torque.

Tighten plumbing adapter to a gap X of 0.03 - 0.06 in (0.76 - 1.52 mm)

Notes:

- [1] This view is before tightening
- [2] A plastic credit card is 0.030” thick and a good check for *final* gap X



IONPURE® CEDI Modules
 For more information about IONPURE CEDI modules, call your local Ionpure office. Contact information is at www.ionpure.com

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