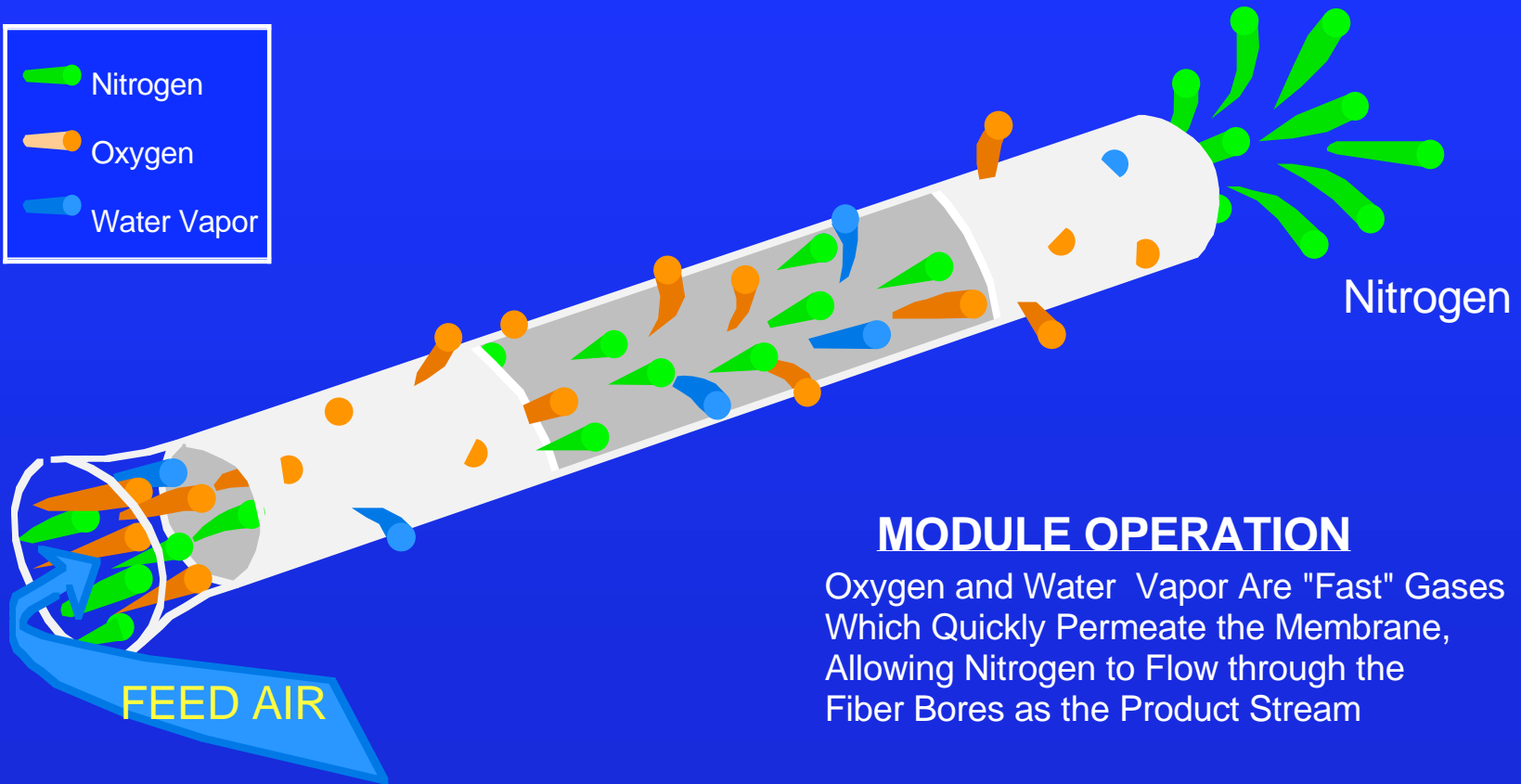
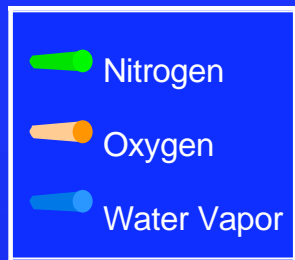


**MEMBRANE  
AIR SEPARATION  
TECHNOLOGY**

# WHAT IS MEMBRANE AIR SEPARATION TECHNOLOGY?

- A Technology Used to Generate Non-cryogenic (Gaseous) Nitrogen on-site
- A Polymeric Hollow Fiber Selectively Permeates Oxygen, Water Vapor, and Other Impurities Out of Its Sides while Allowing Nitrogen to Flow through Its Center and Emerge as Product
- Millions of Hollow Fibers Are Bundled and Encased to Form a High Performance Module
- One or More Modules Are Skid-Mounted and Operated in Parallel to Supply up to 100,000 SCFH of Continuous Nitrogen Product

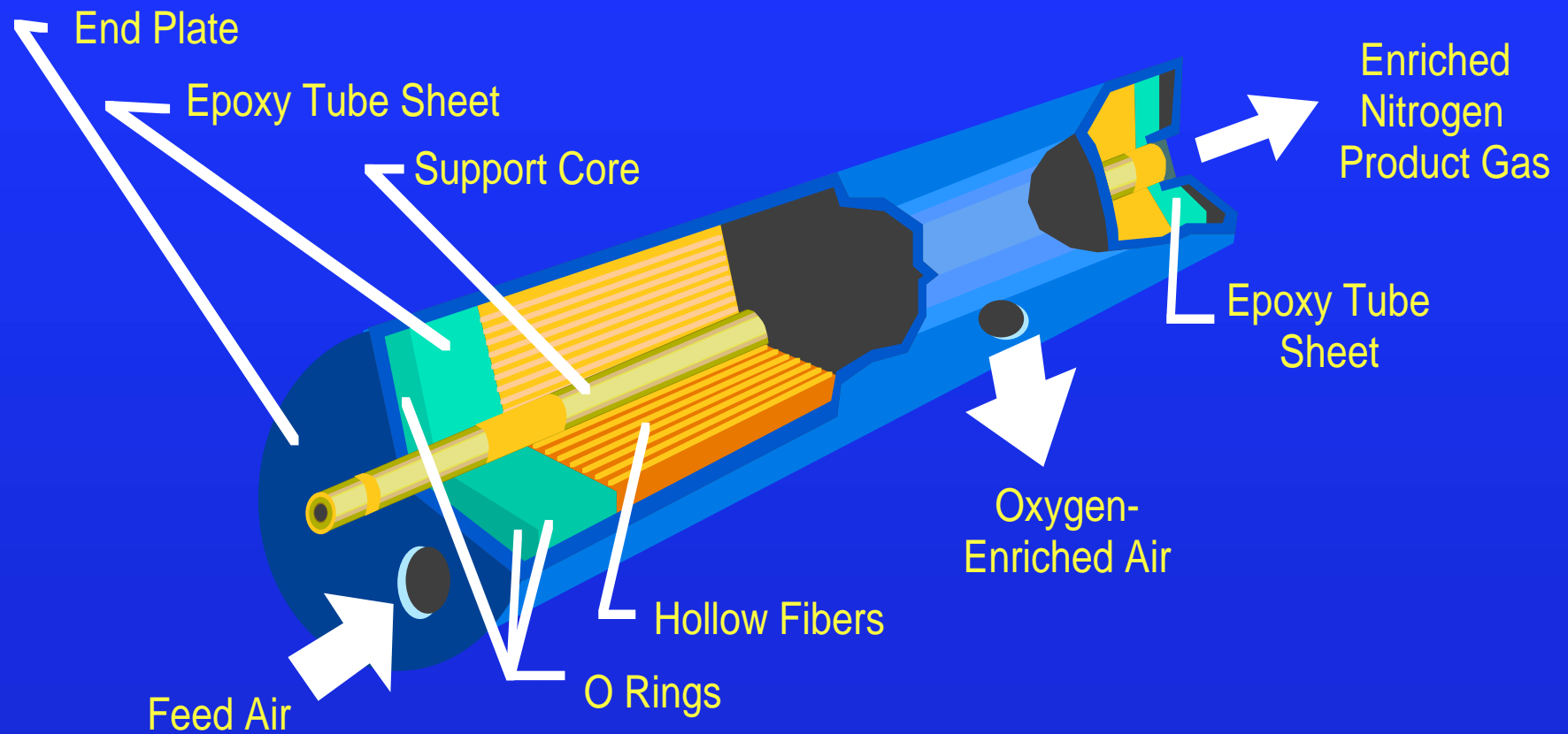
# THE MEMBRANE PHENOMENON



## **MODULE OPERATION**

Oxygen and Water Vapor Are "Fast" Gases Which Quickly Permeate the Membrane, Allowing Nitrogen to Flow through the Fiber Bores as the Product Stream

# MEMBRANE AIR SEPARATION MODULE



# MEMBRANE PROCESS FOR AIR SEPARATION

