



## OVERVIEW

*Air Liquide Advanced Separations MEDAL 3640* provides users with complete flexibility in nitrogen production. From energy applications to maritime projects, the **3640** delivers results. Its durability and optimized geometry lend well to maximizing N<sub>2</sub> flow within close quarters for projects focused on footprint minimization. The key to this modules success is it's ability to produce a large amount of nitrogen from a compact membrane bundle. Thus reducing the total number of membranes required. The 3640 is a cost effective solution for any nitrogen project. This module is available as a bare bundle or installed in an FRP shell.

## SHELL PHOTO



## OPERATING CHARACTERISTICS

MAXIMUM OPERATING TEMPERATURE	65°C (149°F)
MAXIMUM OPERATING PRESSURE	13 barg (188 psig)
MAXIMUM FEED AIR OIL CONTENT	< 5 µg/Nm <sup>3</sup>
NITROGEN MOISTURE CONTENT	< -70°C (-95°F) Dew Point

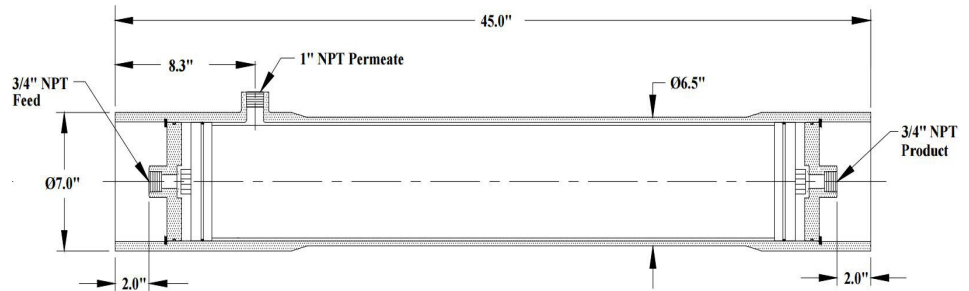
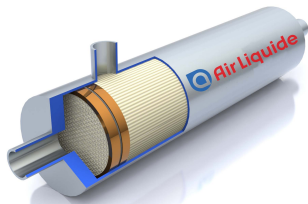
## DIMENSIONS

## PHYSICAL CHARACTERISTICS

**WEIGHT (MODULE ONLY)**  
6.8 kgs (15 lbs)

**WEIGHT (MODULE AND SHELL)**  
18.1 kgs (40 lbs)

**SHELL MATERIAL**  
Fiberglass Reinforced Plastic (FRP)



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3640 NEA Flow Rate (Nm<sup>3</sup>/hr) / Feed Air Flow Rate (Nm<sup>3</sup>/hr)

Temp 40°C	Purity (%)						
	5	96	97	98	99	99.5	99.9
	<b>Nitrogen Flow (Nm<sup>3</sup>/hr) / Feed Air Flow (Nm<sup>3</sup>/hr)</b>						
	11/29	9/27	8/25	6/23	4/21	3/20	2/18
	24/55	20/51	17/47	13/43	9/38	7/35	3/31
	39/83	33/76	27/70	21/63	15/56	11/51	6/44
	54/112	46/103	38/94	29/85	20/74	15/67	8/58
	70/142	59/130	48/118	38/106	26/92	19/83	10/72
	87/172	73/157	60/142	47/128	32/110	23/99	12/85

All values are based on mid aged condition (10,000 to 15,000 operating hours)