



## OVERVIEW

*Air Liquide Advanced Separations MEDAL 4640* provides users with complete flexibility in nitrogen production. From energy applications to maritime projects, the **4640** 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 a balance of productivity and recovery characteristics, ensuring that both unit count and feed air are minimized. For any high purity and medium flow projects, the **4640** is the cost-effective solution. This module provides an available option to supply the bare bundle separately from the housing shell.

## SHELL PHOTO



## OPERATING CHARACTERISTICS

MAXIMUM OPERATING TEMPERATURE	65°C (149°F)
MAXIMUM OPERATING PRESSURE	15.2 barg (220 psig)
MAXIMUM FEED AIR OIL CONTENT	< 5 µg/Nm <sup>3</sup>
NITROGEN MOISTURE CONTENT	< -70°C (-95°F) Dew Point

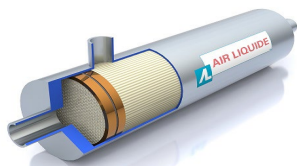
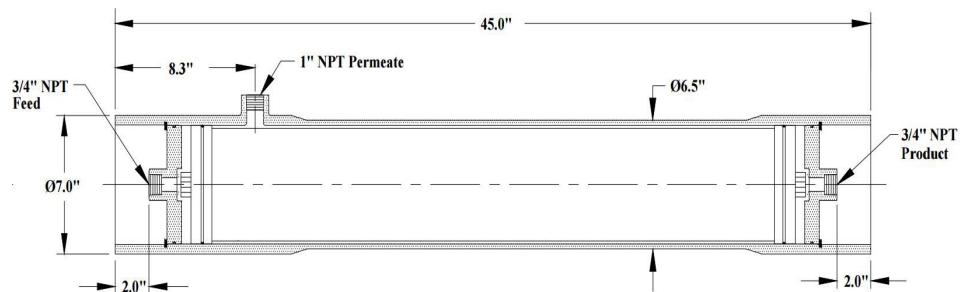
## DIMENSIONS

## 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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4640 NEA Flow Rate (Nm<sup>3</sup>/hr) / Feed Air Flow Rate (Nm<sup>3</sup>/hr)

Temp 40°C	Purity (%)						
	95	96	97	98	99	99.5	99.9
	Nitrogen Flow (Nm <sup>3</sup> /hr) / Feed air Flow (Nm <sup>3</sup> /hr)						
4	11/25	9/24	8/22	6/20	4/18	3/16	2/15
6	20/43	17/39	14/36	11/33	8/29	6/26	3/23
8	30/61	25/56	21/51	17/46	11/40	8/36	5/31
10	40/80	34/73	28/66	22/60	15/51	11/46	6/39
12	51/99	43/90	36/82	28/73	19/63	14/56	8/48
14	62/118	52/108	43/98	34/87	23/74	17/66	9/56
16	73/138	61/125	51/113	40/101	27/86	20/76	11/65

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