3640 Air Separation Membrane

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_2 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

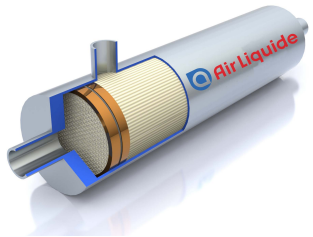
MAXIMUM OPERATING TEMPERATURE	65°C (149°F)
MAXIMUM OPERATING PRESSURE	13 barg (188 psig)
MAXIMUM FEED AIR OIL CONTENT	0 µg/Nm³
NITROGEN MOISTURE CONTENT	< -70°C (-95°F) Dew Point

PHYSICAL CHARACTERISTICS

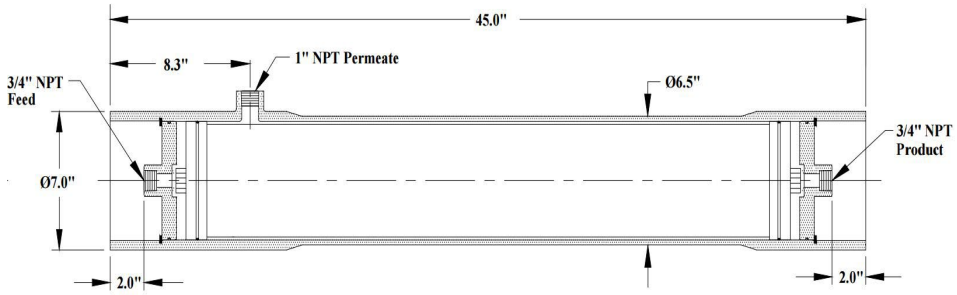
WEIGHT (MODULE ONLY)
6.8 kgs (15 lbs)

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

SHELL MATERIAL
Fiberglass Reinforced Plastic (FRP)



DIMENSIONS



3640 NEA Flow Rate (Nm³/hr) / Feed Air Flow Rate (Nm³/hr)

Temp 40°C	Purity (%)						
Pressure (Barg)	95	96	97	98	99	99.5	99.9
	Nitrogen Flow (Nm³/hr) / Feed air Flow (Nm³/hr)						
4	17/41	15/38	12/36	10/33	7/29	5/27	3/24
6	31/69	27/63	22/58	17/53	12/47	9/43	4/38
8	47/97	39/89	32/82	25/74	17/64	13/59	7/51
10	62/127	52/116	43/106	34/95	23/83	17/75	9/65
12	78/157	66/143	54/130	42/117	29/101	21/91	11/79
14	95/187	80/171	65/155	51/139	35/119	25/107	13/92
16	111/217	93/198	76/179	60/160	41/138	30/124	15/106

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

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