

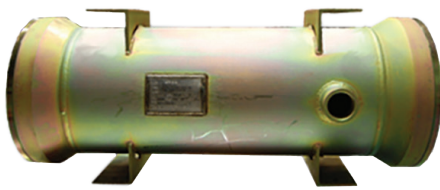


# 4240 Air Separation Membrane

## OVERVIEW

Air Liquide Advanced Separations MEDAL **4240** delivers uncompromising performance within a compact design. By utilizing a proven polymer blend and advanced hollow fiber technology, the unit generates an optimal balance of flux and selectivity for on-site nitrogen supply. The **4240** is deployed into large volume applications that require sustained N<sub>2</sub> production over an extended duration, while minimizing feed-air/compression costs. The **4240** provides an available option to supply the bare bundle separately from the housing vessel.

## VESSEL PHOTO



## OPERATING CHARACTERISTICS

MAXIMUM OPERATING TEMPERATURE	65°C (149°F)
MAXIMUM OPERATING PRESSURE	24.1 barg (350 psig)
MAXIMUM FEED AIR OIL CONTENT	0 µg/Nm <sup>3</sup>
NITROGEN MOISTURE CONTENT	< -70°C (-95°F) Dew Point

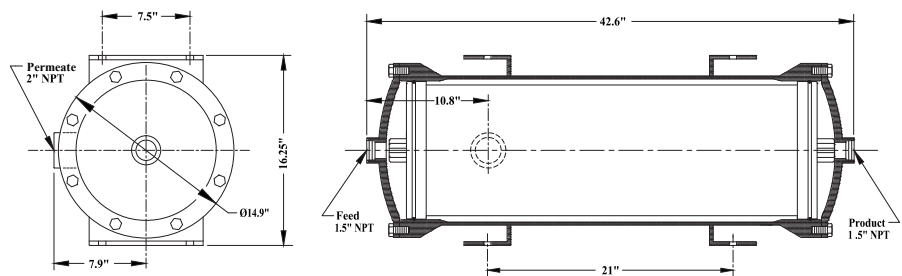
## PHYSICAL CHARACTERISTICS

WEIGHT (MODULE ONLY)  
29.4 kgs (65 lbs)

WEIGHT (MODULE AND VESSEL)  
159 kgs (350 lbs)

VESSEL MATERIAL  
Zinc chromate plated carbon steel

## DIMENSIONS



**Air Liquide Advanced Separations**  
305 Water St  
Newport, DE 19804  
TELEPHONE: 302-225-1100  
EMAIL: [info.medal@airliquide.com](mailto:info.medal@airliquide.com)

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)						
3	25/64	22/60	18/56	14/52	10/47	7/43	4/39
6	73/157	62/145	51/133	40/121	28/105	20/96	11/84
9	128/258	108/237	89/215	70/194	48/167	35/150	19/129
12	186/363	156/331	129/300	101/269	69/229	51/205	27/176
15	245/469	206/427	169/386	133/345	91/293	66/261	35/222
18	304/576	256/524	210/473	165/422	113/356	82/317	43/269
21	364/684	307/621	252/560	198/499	135/420	98/373	52/315
24	425/792	358/718	294/647	230/576	158/484	114/430	60/362

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