

NL Module

The Top-Performing Filter: NL Module

Ingersoll Rand's NL Module is the best long-term buy in compressed air filtration. It provides true oil-free air while requiring virtually no maintenance or added cost for throwaway filter elements. Its high-quality design means no system downtime from premature failure of poorly constructed elements.



The NL Module is a self-cleaning, coalescing-type filter separator designed to remove oil and water aerosols with a minimum of pressure drop. Its special fiberglass filtration system is capable of removing aerosol down to 0.5 parts per million by weight.

This reliable, remarkably efficient filter offers the following features:

- The unique element design results in element life of up to 5 years under normal service.
- Based on field experience, expected pressure drop after 5 years is approximately 1.0 psig.
- It collects particles greater than 3 microns at 100% efficiency, and filters out particles down to 0.1 microns at 99.98% efficiency

 **Ingersoll Rand**
Industrial Technologies

NL Module

Coalescing-type Filter Separator

A- Air Discharge

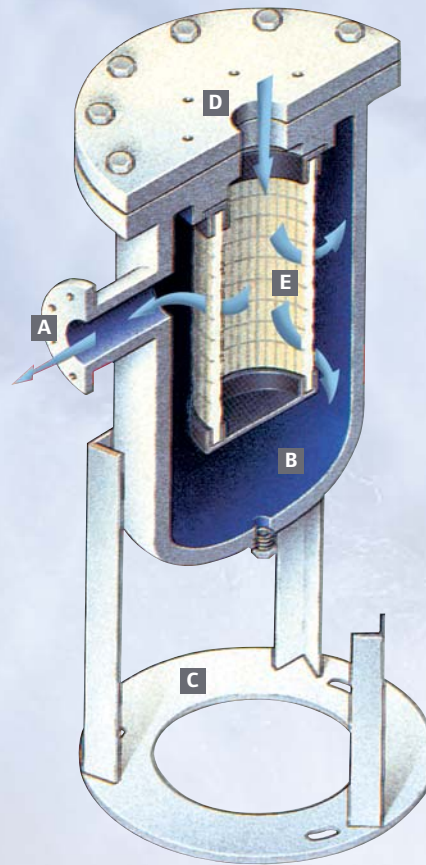
Contaminant-free air is discharged to the system with an extremely low pressure drop of 0.5 psi, providing significant energy savings.

B- NLM Housing

Housing, 300-3600 scfm, is internally painted with epoxy for long lasting corrosion resistance. High drainage capacity can handle large slugs of oil and condensate.

C- NLM Mounting Base

The IR NL Module is sturdily constructed to provide years of continuous service under the most demanding conditions. NLM300-3600 shown here.



D- Air Intake Connection

Compressed air containing oil mist carryover and other contaminants enters the filtration chamber. NLM is designed not only to provide high-quality air, but to protect air systems from catastrophic air/oil separator failure.

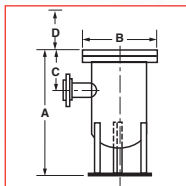
E- Filter Element

NLM 300-3600 - Special pleated construction of filter element provides large increase in filtration surface for highest efficiency and lowest possible pressure drop.

NLM 4500 and larger - Deep bed filtration consists of special glass fibers packed between two layers of carbon steel screen, which provides the surface area for high coalescing efficiency and very low pressure drop.

Non-lube Module Data

Name	Model Number	SCFM Flow@100 psig	Inlet/Discharge	Drain Port	Height "A" in.	Height "C" in.	Width "B" in.	Space "D" in.	Shipping Weight lbs.
NLM 300	F510NG	300	2 NPT	1 NPT	33.50	6.38	18	20.75	275
NLM 500	F850NG	500	2.5 NPT	1 NPT	43.63	7.12	18	30.25	325
NLM 1000	F1700NG	1000	4.0" 150# ANSI Flg.	1 NPT	63.25	8.12	20	49.75	485
NLM 1500	F2550NG	1500	4.0" 150# ANSI Flg.	1 NPT	70.63	8.12	22	57.25	540
NLM 2100	F3570NG	2100	4.0" 150# ANSI Flg.	1 NPT	71.88	8.38	28	63.25	980
NLM 3600	F6120NG	3600	4.0" 150# ANSI Flg.	1 NPT	71.88	8.38	28	63.25	985
NLM 4500	F7650NG	4500	6.0" 150# ANSI Flg.	1.5" Flg.	153	18	32	118	1770
NLM 6000	F10190NG	6000	8.0" 150# ANSI Flg.	2" Flg.	155	18	32	118	2460
NLM 8000	F13590NG	8000	8.0" 150# ANSI Flg.	2" Flg.	181	19	38.75	142	2850
NLM 10000	F16990NG	10000	10.0" 150# ANSI Flg.	2" Flg.	211	21	38.75	173	4500



NL Module Dimensions

Please refer to table above to find dimensions for each NLM model.

99.99999% D.O.P. efficiency. Removes oil and water liquid/mist down to 0.5 PPM by weight.
150 psig maximum operating pressure (250 psig design available though NLM 300-3600)
Maximum inlet temperature of 125°F
Differential pressure gauge is standard on all flow sizes



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