



NL MODULE Filter Series

Compressed Air Systems and Services
Davidson, NC 28036

Date: 28-Aug-2014
Cancels: All Previous

DETAILED SPECIFICATION

This specification describes a filter designed to remove oil and water liquid/mists and solid particles from compressed air. It shall have filtering capability which exceeds the "Quality Standard for Instrument Air" as defined by the Instrument Society of America. Filter must be capable of removing oil and water liquid/mist down to .5 ppm by weight.

Filters shall use both mechanical and centrifugal action to remove up to 99% of all solid particles and droplets of water or oil before the air reaches the filter element. The

separated contaminates will drop to the bottom of the filter housing for discharge through a drain valve.

A separate prefilter and moisture separator shall not be required for the removal of solids and condensate moisture.

The filter pressure drop at rated flow shall not be more than .5 psig when element is new and the maximum pressure drop throughout element life will not exceed 2 psi.

The expected element life at rated performance conditions should be at least 10 years.

Filter to be equipped with a ship loose pressure gauge to measure pressure drop across the filter element, and a drain port for connecting optional automatic drain valves. Vessels for 125 to 6000 SCFM shall have Canadian Registration Number (CRN) when required.

Filter shall be Ingersoll Rand model F-_____NG, or equal.