

## Strainer cum Air Eliminator – N Series

The combination Line Strainer cum Air Release Valve ensures removal of solid impurities, air, or vapor from the liquid before they enter the bulk meter. It is essential accessory for a trouble free and accurate flow meter operation.

### DESIGN FEATURES

- Low pressure drops due to large filter element area.
- Compact dimensions for minimum installation space
- Quick release valve facilitates regular air release.
- Threaded ports for connecting differential pressure gauge or temperature probe if required.

### PRINCIPLE OF OPERATION

The equipment is fitted on P.D. flow meter's inlet side. The end cover is placed over a high-quality durable wire mesh filter element to block out impurities. The air release mechanism is mounted on top of the strainer body, to eliminate any air bubbles from the line.

Liquid impurities get filtered on passing through the filter element and clean liquid flows through the flow meter. For new installations, it is advisable to first thoroughly flush lines before installing the flow meter. Periodic strainer basket inspection and cleaning is necessary to prolong the life of the flow meter.

### SPECIFICATION

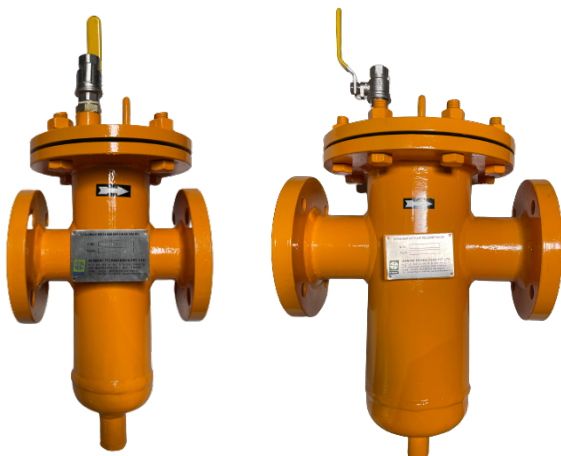
Type	: Wire mesh filter element
Mesh	: 20/40/60/80/100
Size	: 40 /50/ 80 /100/ 150 mm NB*
End Connection	: 150 class, ANSI B 16.5 or as specified
Temperature	: Upto + 70°C or as specified
Mounting	: Meter inlet

*\*For higher sizes consult Vermont*

### MATERIAL OF CONSTRUCTION

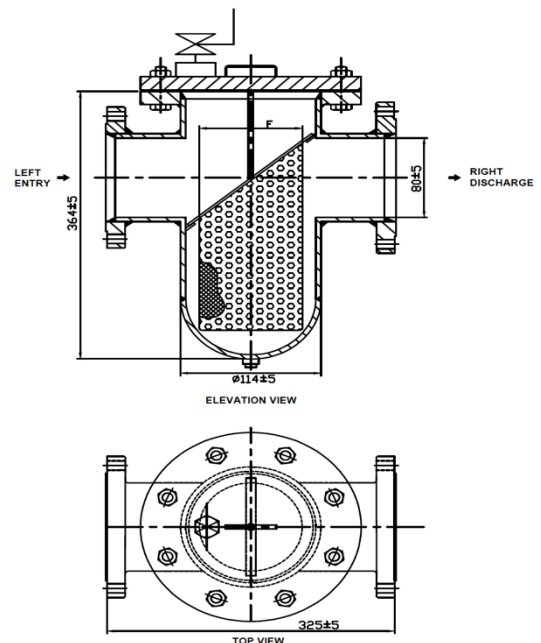
Body	: Carbon Steel / SS316
Seals	: Nitrile / Viton
Basket	: SS304 Mesh with CS / SS304 Sheet

**Optional:** Drain Plug can be provided to facilitate servicing



**2" Size SAE**

**3" Size SAE**



\* Specifications are -subject to change without notice.  
\* All dimensions are in mm unless otherwise specified.