LTF Series

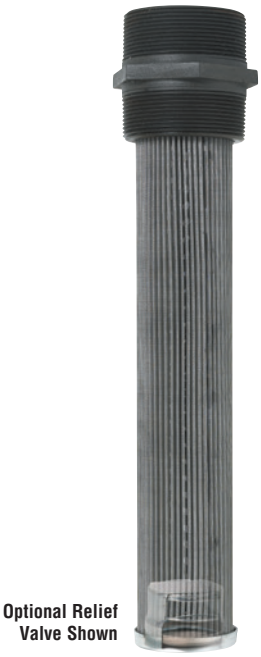
Designed for ease of servicing. Access to tank interior is not necessary

Specifications

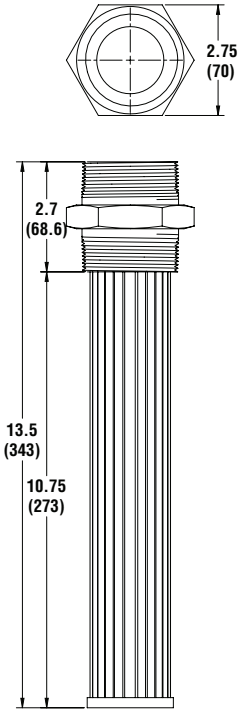
- Flows up to 50 GPM (180 CPM)
- Cast iron bushing
- Perforated steel support tubes
- 100 mesh stainless steel pleated elements
- Filter area 135 sq. in. (870 cm²)

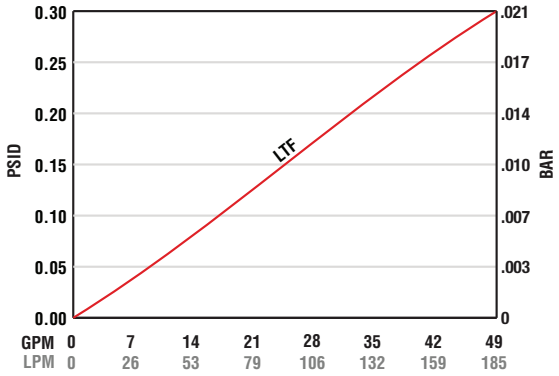
Options

- No bypass or 5 PSI bypass
- 30, 60, 200 mesh available upon to request



Optional Relief Valve Shown





Temperature 100° F Viscosity 150 SUS
Average pressure drop through clean assembly

Strainer Ordering Code

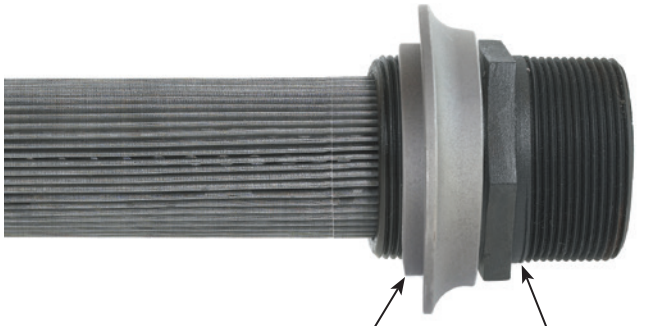
LTF — 32-32 — R3 — 100

Series
LTF

Size
32-32

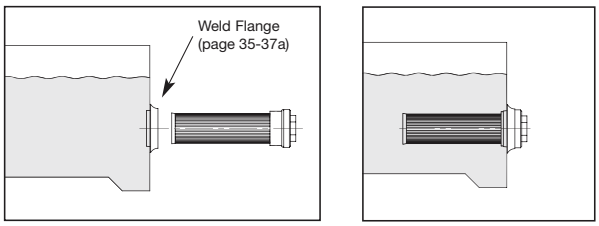
Bypass	
Omit	No Bypass
R3	3 PSI Bypass
R5	5 PSI Bypass

Mesh	
100	100 Mesh (Standard)
30	30 Mesh
60	60 Mesh
200	200 Mesh



WF-32N
WF-32N-SS
WF-32N-AL
(page 48a)

LTF-32-32



Mounting Details:
Mount through sidewall or through tank top and into standpipe.

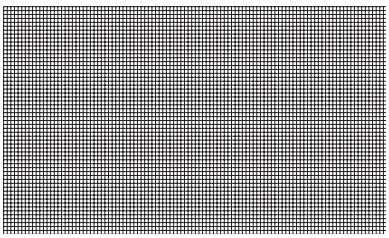
See Technical Bulletin TB.FIL17.708, TB.FIL19.811, or further information at (Technical Data – www.lenzinc.com)

FILTERS – ACTUAL SIZE MESH

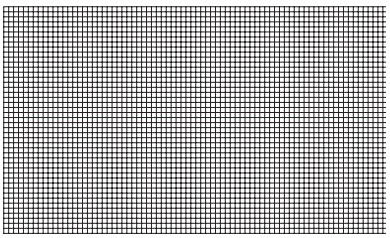
LENZ Cleanable Wire Cloth Filters are equipped with Stainless Steel Wire Cloth Elements. The filtering insert elements are available from a coarse 30 mesh up to a fine 200 mesh. To better illustrate mesh sizes, we have shown below the actual size mesh of the 100, 80, 60, 50, 40, and 30 mesh stainless steel wire screen. **The most common are 200, 100, 60, and 30 Stainless Steel Wire Mesh Screen. (100 Mesh LENZ Standard)**

200 Mesh
Wire diameter .0021
Width of opening .0029
Microns = 74
33.6% of open area

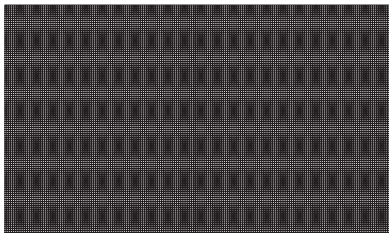
150 Mesh
Wire diameter .0026
Width of opening .0041
Microns = 105



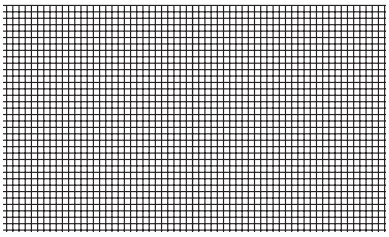
50 Mesh
Wire diameter .0080
Width of opening .0120 = 308 Microns



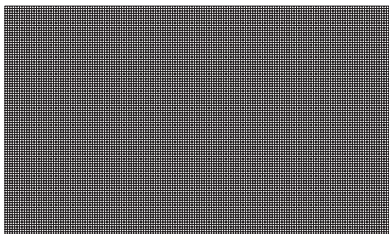
40 Mesh
Wire diameter .0100
Width of opening .0150 = 385 Microns
36% of open area



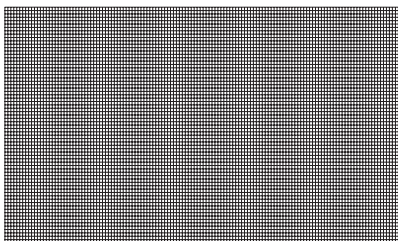
100 Mesh
Wire diameter .0045
Width of opening .0055 = 141 Microns
30.3% of open area



30 Mesh
Wire diameter .0120
Width of opening .0213 = 546 Microns
44.8% of open area



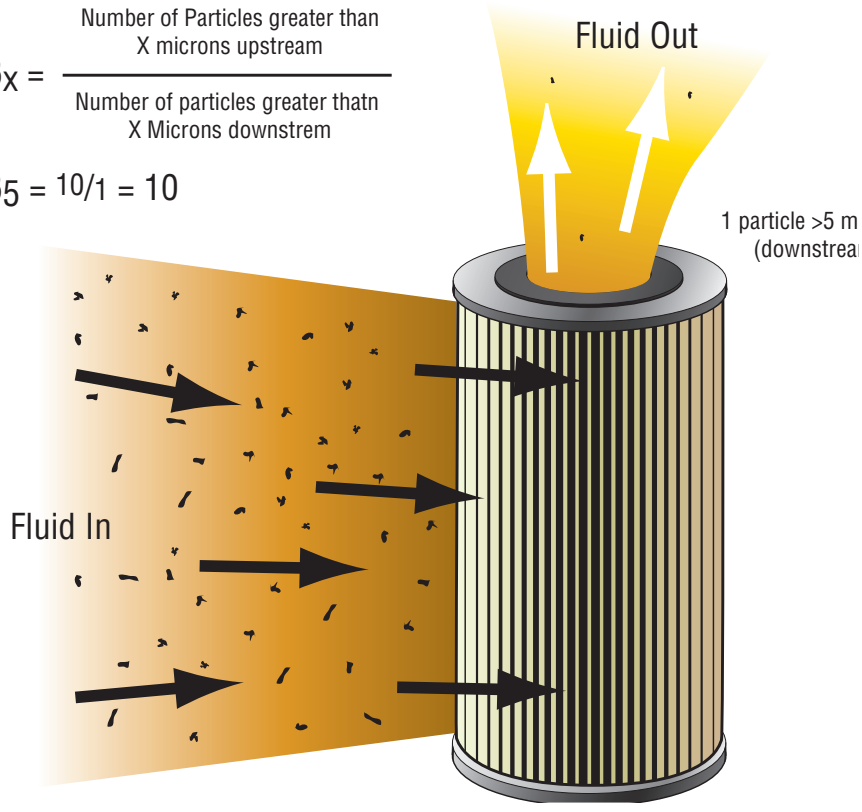
80 Mesh
Wire diameter .0055
Width of opening .0070 = 180 Microns



60 Mesh
Wire diameter .0065
Width of opening .0102 = 262 Microns
37.5% of open area

$$\beta_X = \frac{\text{Number of Particles greater than X microns upstream}}{\text{Number of particles greater thatn X Microns downstrem}}$$

$$\beta_5 = {}^{10}/_{1} = 10$$



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