



## Disc Sump Strainer

### Stacking Disc Sump Strainers

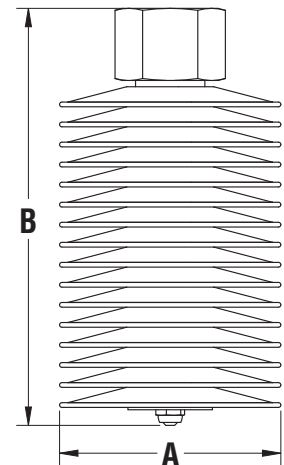
#### Model L-G

Lenz Model L-G Strainers are all-metal disc type, for all petroleum base and fire resistant hydraulic oils and other liquids such as water and fuels. They are designed to work efficiently installed in either a vertical or horizontal position.

Lenz Disc Type Strainers can be cleaned more completely than any other design because when the assembly is dismantled, every square inch of flat screen area can be scrubbed clean and inspected.

Because of the Lenz "Stacking" Disc design, it is possible to provide assemblies with filtering area ranging from 8 to more than 700 square inches by utilizing the four disc sizes shown in the table below (Dimension A)

These units may be ordered with 100, 60, or 30 mesh wire screen. 100 mesh stainless Cloth supplied unless otherwise specified.

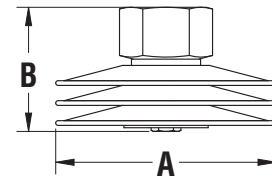


*L-G Series*

**100 Mesh stainless cloth is supplied unless otherwise specified**

Model Number	GPM	Pipe Size NPT	Dimensions		Discs	Filter Area (Sq. In.)
			A	B		
L75G5	5	3/4"	3 3/4"	4"	8	64"
L75G8	8	3/4"	3 3/4"	5 1/2"	12	96"
L100G10	10	1"	3 3/4"	7 3/8"	16	128"
L125G20	20	1 1/4"	4 1/4"	9 1/4"	21	214"
L150G30	30	1 1/2"	5"	9 3/8"	21	307"
L150G50	50	1 1/2"	5"	10 7/8"	25	365"
L200G60	60	2"	6"	7 7/8"	18	380"
L200G75	75	2"	6"	9 1/4"	22	464"
L250G85	85	2 1/2"	6"	10 1/8"	24	507"
L250G100	100	2 1/2"	6"	11 5/8"	28	591"

NOTE: \* area based on following: 8.0" sq. in. per 3.75" disc / 10.2" sq. in. per 4.25" disc / 14.6" sq. in. per 5" disc / 21.1" sq. in. per 6" disc.



*D Series*

## Compact Disc Strainers

### Model D

Model Number	Pipe Size NPT	A	B Height	Discs	Area Sq. In.
37-D-1	3/8"	3 3/4"	1"	1	8"
37-D-2	3/8"	3 3/4"	1 3/8"	2	16"
37-D-3	3/8"	3 3/4"	1 3/4"	3	24"
50-D-1	1/2"	3 3/4"	1 1/8"	1	8"
50-D-2	1/2"	3 3/4"	1 1/2"	2	16"
50-D-3	1/2"	3 3/4"	1 7/8"	3	24"
50-D-5	1/2"	3 3/4"	2 5/8"	5	40"
75-D-3	3/4"	3 3/4"	2 1/4"	3	24"
75-D-4	3/4"	3 3/4"	2 5/8"	4	32"
75-D-5	3/4"	3 3/4"	3"	5	40"
100-D-6	1"	3 3/4"	3 5/8"	6	48"
100-D-7	1"	3 3/4"	4"	7	56"

These compact strainers are designed for low oil levels and small tanks found in scissor lifts, lift trucks, and other applications where efficiency counts most. They are perfect for shallow tanks, work well in fluid levels as low as 3/4".

- Available on special order: 6" dia. discs which have 21.1 sq. in. screen area per disc. 3/4" or 1" NPT pipe size.



NOTE: \* 8.0 sq. in. per 3 3/4"  
See pg. 57a for view of screen



# FILTERS – ACTUAL SIZE MESH

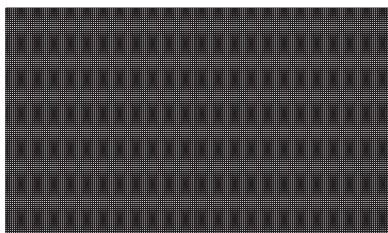
LENZ Cleanable Wire Cloth Filters are equipped with Stainless Steel Wire Cloth Elements. The filtering insert elements are available from a coarse 30 mesh up to a fine 200 mesh. To better illustrate mesh sizes, we have shown below the actual size mesh of the 100, 80, 60, 50, 40, and 30 mesh stainless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

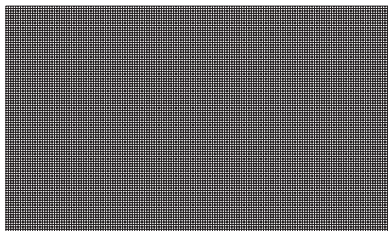
## 150 Mesh

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



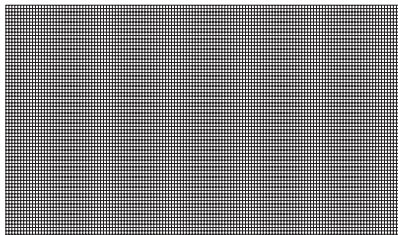
## 100 Mesh

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



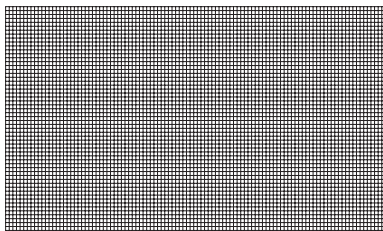
## 80 Mesh

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



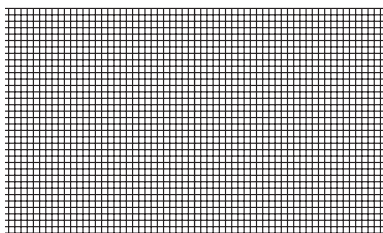
## 60 Mesh

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



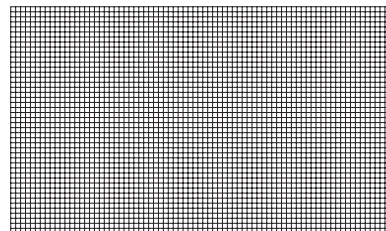
## 50 Mesh

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



## 30 Mesh

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



## 40 Mesh

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

$$\beta_x = \frac{\text{Number of Particles greater than X microns upstream}}{\text{Number of particles greater than X Microns downstream}}$$

$$\beta_5 = 10/1 = 10$$

