



LTMA Series

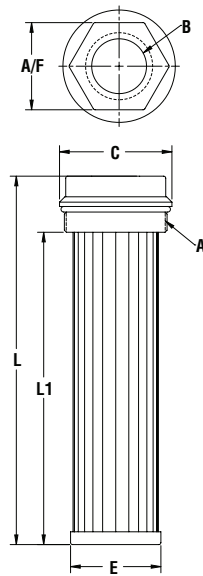
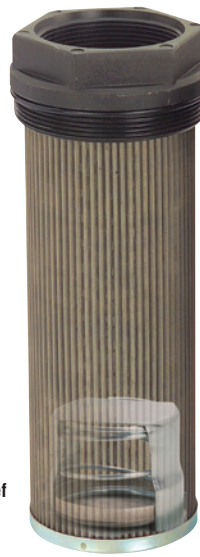
Specifications:

- 1 1/16"-12 SAE thru 3 3/8"-12 SAE
- Die cast aluminum bushing
- 100 mesh stainless steel mesh
- Flows to 40 G.P.M.
- Side wall or tank top mounting
- Buna O-Ring

Options:

- No bypass, 3 or 5 PSI bypass
- 30, 60, 200 mesh screen available

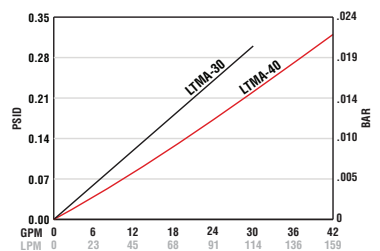
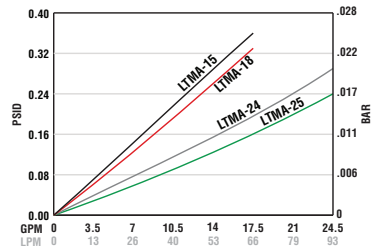
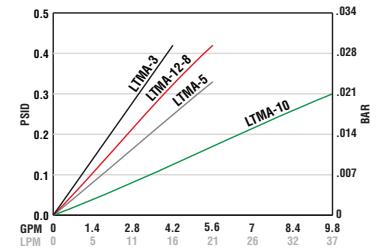
Optional Relief Valve Shown



Dimensional Details

Model Number	Flow	A SAE	B SAE/NPT		HEX A/F	C	E	L	L1	AREA IN ² / (CM) ²
LTMA-3	3 GPM 12 LPM	1 1/16-12	3/4-16	in mm	1.24 31.5	1.72 43.7	0.79 20	4.00 101.6	2.64 67	30 (194)
LTMA-12-8	3 GPM 12 LPM	1 1/16-12	3/4-16	in mm	1.24 31.5	1.72 43.7	0.9 23	6.6 168.4	5.25 133	48 (312)
LTMA-5	5 GPM 20 LPM	1 5/16-12	3/4-16	in mm	1.24 31.5	1.72 43.7	1.13 28.5	5.39 137	4.02 102	54 (348)
LTMA-10	10 GPM 40 LPM	1 5/8-12	1 1/16-12	in mm	1.50 38	2.03 51.6	1.42 36	8.19 208	6.77 172	90 (581)
LTMA-15	15 GPM 60 LPM	1 7/8-12	1 5/16-12	in mm	1.81 46	2.35 59.7	1.67 42	8.19 208	6.77 172	120 (774)
LTMA-18	18 GPM 72 LPM	2 1/2-12	1 5/16-12	in mm	2.13 54	2.73 69.3	2.13 54	9.06 230	7.64 194	160 (1032)
LTMA-24	24 GPM 90 LPM	3 3/8-12	1 5/8-12	in mm	2.44 62	2.71 69	3.07 78	8.85 225	7.2 183	190 (1225)
LTMA-25	25 GPM 100 LPM	2 1/2-12	1 5/8-12	in mm	2.13 54	2.73 69.4	2.13 54	9.00 228.6	7.64 194	160 (1032)
LTMA-25N25	25 GPM 100 LPM	2 1/2-12	1 1/4 NPT	in mm	2.13 54	2.76 70	2.13 54	9.00 228.6	7.62 193.6	160 (1032)
LTMA-30	30 GPM 120 LPM	3 3/8-12	1 7/8-12	in mm	2.48 63	3.50 89	3.07 78	8.80 223.5	7.24 184	230 (1484)
LTMA-40	40 GPM 160 LPM	3 3/8-12	2 1/2-12	in mm	2.99 76	3.50 89	3.07 78	9.30 236.2	7.7 196	230 (1484)
LTMA-40N32	40 GPM 160 LPM	3 3/8-12	2 NPT	in mm	2.99 76	3.50 89	3.07 78	9.30 236.2	7.80 198.2	230 (1484)

*See Page 48-49a for LWBA, WFA Series, Weld Bushings and Flanges



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

Strainer Ordering Code

LTMA – 15 – R3 – 100

Series	Flow	Bypass		Mesh	
LTMA	3	Omit	NO Bypass	100	100 Mesh (STANDARD)
	12-8	R3	3 PSI Bypass	30	30 Mesh
	5	R5	5 PSI Bypass	60	60 Mesh
	10			200	200 Mesh
	15				
	18				
	24				
	25				
	25N25				
	30				
	40				
	40N32				

See Technical Bulletin TB.FIL.17.708, TB.FIL.19.811, or further information at (Technical Data – www.lenzinc.com)

Mounting Details:

Mount through sidewall or through tank top and into standpipe.
See page 52a for details.



FILTERS – ACTUAL SIZE MESH

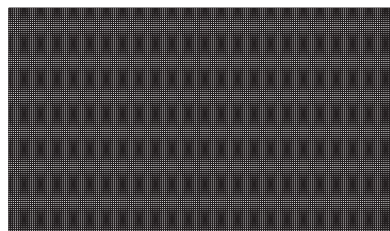
LENZ Cleanable Wire Cloth Filters are equipped with Stainless Steel Wire Cloth Elements. The filtering insert elements are available from a coarse 30 mesh up to a fine 200 mesh. To better illustrate mesh sizes, we have shown below the actual size mesh of the 100, 80, 60, 50, 40, and 30 mesh stainless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

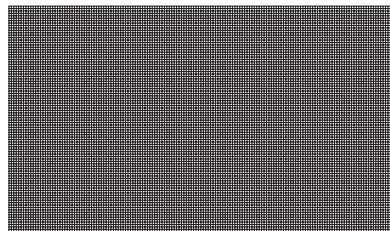
150 Mesh

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



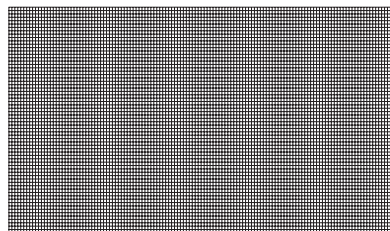
100 Mesh

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



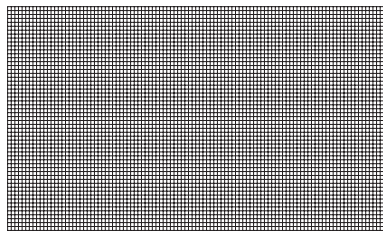
80 Mesh

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



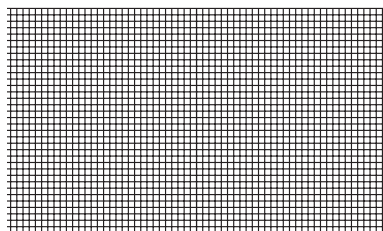
60 Mesh

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



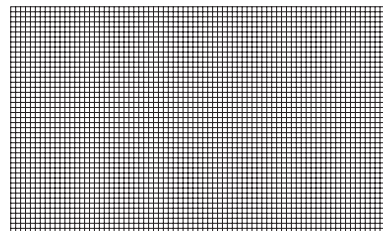
50 Mesh

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

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

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

