In-Tank Filters Disposable Filter Cartridge Type

Return Line Application Model "LIT" Series LIT-500, 750, 1000

Specifications

- Working pressure 100 PSI (7 Bar)
- Operating Temperatures -22°F to +212°F (-32°C to +100°C)
- Flows to 25 GPM (96 LPM) Return
- 1/2", 3/4", 1", Ports Aluminum casting
- Buna Seals
- · Compatible with mineral oils HH, HL, HM, HR, HV, HG according to ISO 6743/4
- Nylon bowl
- 3-10 (lbs), 1.4-4.5 (kgs) shipping weight
- 25 PSID. bypass option for return
- Magnet on lid

Options

- NPT or SAE Ports
- 10, 25 micron cellulose, synthetic elements
- Visual or electrical indicators
- Weld Riser Available for LIT-750, 1000 Series (see Tech Bulle



LITXL-1000



LIT-500/750/1000

7

90 3.55

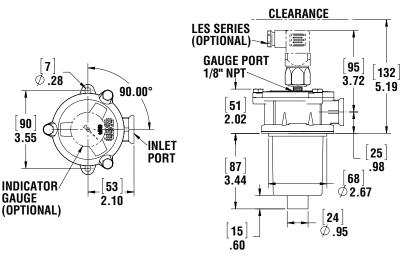
INDICATOR

GAUGE

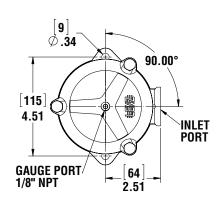


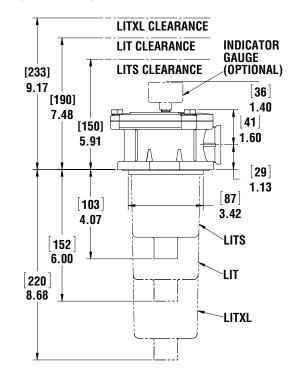
LIT-750-R-WR

LIT-500



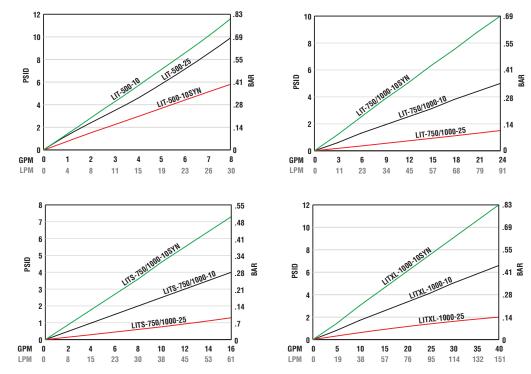
LIT-750, LIT-1000, LITXL-1000,





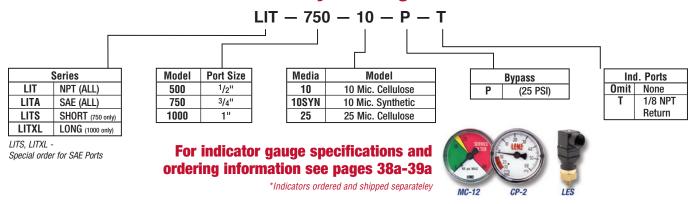
See Technical Bulletin TB.FIL9.708, TB.FIL11.708, TB.FIL20.708, for further information at (Technical Data - www.lenzinc.com)





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

Assembly Ordering Code



Replacement Elements

Filter Model	Element Number	Media	in	cm	B=2/20/75	Dirt Holding Capacity
LIT-500	LIT502-10P	10 Micron Cellulose	110	710	6μ/8μ/13μ	3
	LIT502-25P	25 Micron Cellulose	110	710	24μ/35μ/43μ	4
	LIT502-10SYN	10 Micron Synthetic	78	500	3μ/5.5μ/12μ	4
LITS-750, 1000	LITS-752-10P	10 Micron Cellulose	190	1225	6μ/8μ/13μ	6
	LITS-752-25P	25 Micron Cellulose	190	1225	24μ/35μ/43μ	8
	LITS-752-10SYN	10 Micron Synthetic	136	875	3μ/5.5μ/12μ	8
LIT-750, 1000	LIT-752-10P	10 Micron Cellulose	380	2450	6μ/8μ/13μ	11
	LIT-752-25P	25 Micron Cellulose	380	2450	24μ/35μ/43μ	15
	LIT-752-10SYN	10 Micron Synthetic	271	1750	3μ/5.5μ/12μ	16
LITXL-1000	LITXL-1002-10P	10 Micron Cellulose	620	4000	6μ/8μ/13μ	19
	LITXL-1002-25P	25 Micron Cellulose	620	4000	24μ/35μ/43μ	25
	LITXL-1002-10SYN	10 Micron Synthetic	450	2900	3μ/5.5μ/12μ	27

Beta Rating of 2 = 50% Efficiency Beta Rating of 20 = 95% Efficiency Beta Rating of 75 = 98.7% Efficiency Note: 45 PSI Pressure Drop Maximum Without Bypass Valve In Filter Head Suggested tightening gauge to mount filter to reservoir is 8ft.lbs (11) NM.

HNZ

General Filter Specifications

Bypasses

Differential opening set value + - 10%

Medias

Cellulose Resin impregnated paper **Synthetic** Inorganic micro fiber

Wire Mesh 140 micron, 100 mesh stainless Steel Water Removal 10 micron resin impregnated paper

Compatibility of Fluids with Filter Heads & Bowls Per ISO 6743/4

Mineral oils (types HH, HL, HM, HR, HV)
Water based emulsions (types HFAE, HFAS)
Synthetic fluids (types HS, HFDR, HFDS, HFFU)
Water glycol (types HFC)



LIT-1252-Bypass







CP-752-10

Compatibility of Fluids with Filter Elements Per ISO 2943

Mineral oils (types HH, HL, HM, HR, HV, HG) ISO 6743/4 Synthetic fluids (types A & M series only) Water based emulsions consult Lenz for further information

Compatibilty of Fluids with Seals Per ISO 6743/4

Nitrile (Buna N)

Mineral Oils (HH, HL, HM, HR, HV, HG) Water emulsion (HFAE, HFAS) Water glycol (HFC)

Viton seals

Synthetic fluids (types HS, HFDR, HFDS, HFDU)

Indicator Options

Visual Suction & return visual gauges
Electrical Suction & return electrical switches

Differential Return indicators

Mineral Oil Types

HH Non inhibited refined mineral oils

HL Refined mineral oils with anti-oxidation and anti-rust properties

HM HL fluids with improved anti wear

HR HL oils with VI improvers

HV Lubricants with high viscosity

HG HM oils with anti-stick slip properties

EFNZ CP-752-10 10 MICRON PAR EXCEPTION WAS ARREST AND WAS

Water Based Emulsion Types

HFAE Oil water emulsions or aqueous fluids which are further with additional letters

HFAS Solutions of chemicals containing minimum 80% of water

HFC Aqueous solutions with viscosity-increasing additives and minimum 35% mass water

Synthetic Fluid Types

HFDU Fire resistant fluids of other compositions **HFDS** HFD based upon phosphoric acid ester

HS Synthetic fluids with no specific fire resistant properties

HFDR HFD based on halogen-containing compounds



HINZ

2" Diameter Filter Indicating Gauges



MC-12

Return Line Indicating Gauge for 15 PSI Filter Applications 2" Multi color

0-12 PSI Green
12-15 PSI Yellow
15-60 PSI Red (Service Filter)
(To be used with "T" Indicator Port Location)



MC-20

Return Line Indicating Gauge for 25 PSI Filter Applications 2" Multi color

0-20 PSI Green 21-24 PSI Yellow 25-60 PSI Red (Service Filter)

(To be used with "T" Indicator Port Location)





CP-2

Compound Indicating Gauge (Suction or Return Line)

10" to 30" Vacuum is a Red Danger Area. 0-60 PSI

A Red "Change Filter" Sticker for the Pressure side is included with each gauge for application after the pressure factor is determined.

(To be used with "T" or "S" Indicator Port Location)



GLY-MC-20

Glycerin Filled Return Line Indicating Gauge for 25 PSI Filter Applications 2" Multi color

0-20 PSI Green 21-24 PSI Yellow 25-60 PSI Red (Service Filter)

(To be used with "T" Indicator Port Location)



135080

Suction Line Indicating Gauge for 5 PSI vacuum filter application 2" Multi color

0-9" HG Green 9-11" HG Yellow 11-30" HG Red (Service Filter) (To be used with "S" Indicator Port Location)



VAC-3-20

Suction Line Indicating Gauge for 3 PSI vacuum filter applications 2" Multi color

0-3" HG Green 4-6" HG Yellow

6-30" HG Red (Service Filter)

(To be used with "S" Indicator Port Location)



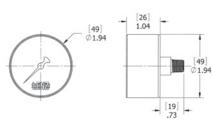


Differential Indicator DP-75

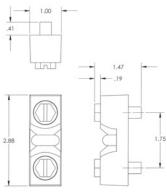
Simple differential sliding indicator which changes from green to red at 7 PSID.

0 - 7 PSID. Green Clean 7 - 10 PSID. Red Service Filter CP Series (500, 750, 1010, 1280, 1580)

*Indicators ordered and shipped separateley



DIAL INDICATOR



DP-75

#NZ

Electrical Filter Indicators

Field Adjustable Specifications:

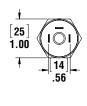
- 1/8 NPT connection
- 3 AMP 12/24 VDC, 125/250 VAC IP67
- +/- 2% repeatability of full set point range @ 70°F
- Operating temperature 40°F to +250°F (-40°C to 121°C)
- 1,000,000 cycles mechanical range
- Maximum pressure 500 (25 BAR) PSI
- Steel housing, zinc plated
- Buna N diaphragm
- SPDT snap action switch

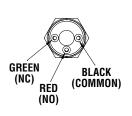
Options:

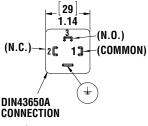
- EPDM seals -10°F 250°F (-23°C 121°C)
- Viton seals 0 250°F (-18°C 121°C)
- Flying leads

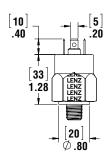
Model	Adjustment Range	Average Differential	Set Pressure
P1	3-20 PSI (.2-1.4 BAR)	2-5 PSI (.13-0.4 BAR)	15 PSI
P2	15-80 PSI (1.03-6 BAR)	4-7 PSI (.27-0.5 BAR)	22 PSI
V1	5-28 in Hg (160-948mb)	2-4 INHg (67-135mb)	5 Hg

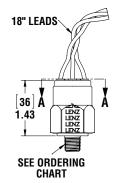




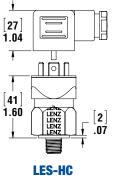




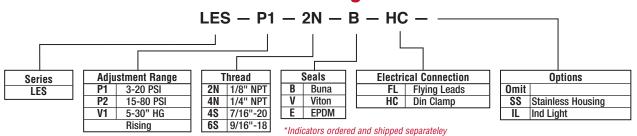




LES-FL



Switch Ordering Code



Switch can be used in AC or DC Service. For other options consult factory. Switch does not indicate differential pressure

See Technical Bulletin TB.FIL23.912, or further information at (Technical Data – www.lenzinc.com)