



## Canister Filters/Disposable Type

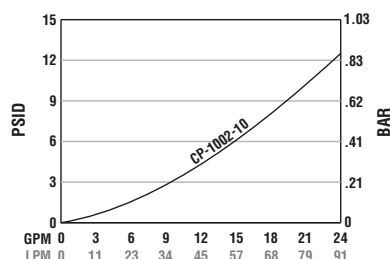
### Suction or Return Line Application Model Series CP-1000

#### Specifications

- Working pressure 200 PSI (14 Bar) 80 PSI  $\Delta P$  w/o bypass
- Operating Temperatures -22°F to +212°F (-32°C to +100°C)
- Flows to 25 GPM (96 LPM) Return
- Flows to 5 GPM (19 LPM) Suction
- 1" Ports
- Aluminum Casting — Die Cast
- Buna Seals
- Compatible with mineral oils HH, HL, HM, HR, HV, HG, water according to ISO 6743/4
- Element post threads 1 1/8"-16 UNF
- 2 (lbs.), .8 (kgs.) shipping weight

#### Options

- NPT or SAE Ports
- 10, micron cellulose
- Visual or electrical indicators
- 2.5, 5, 15, 25, blocked bypass options for suction or return



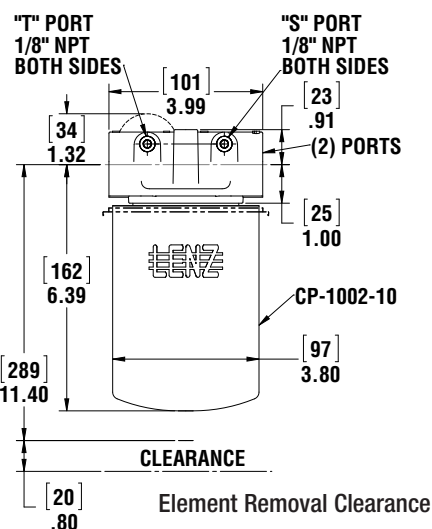
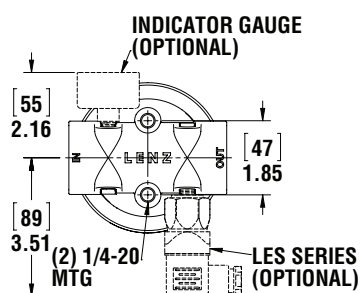
Temperature 100° F Viscosity 150 SUS  
Average pressure drop through clean assembly



CP-1000

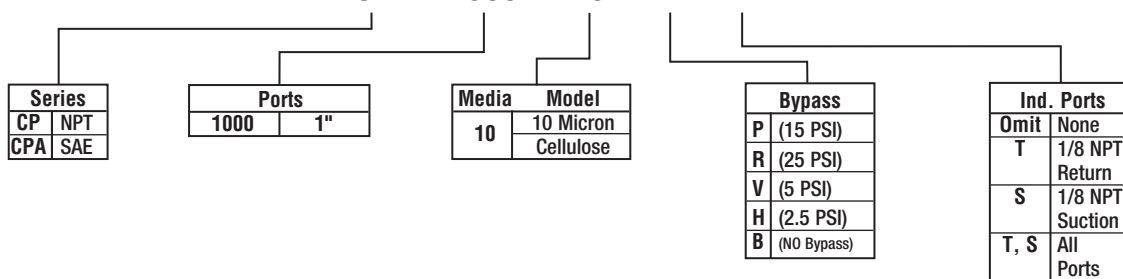


CP-1002



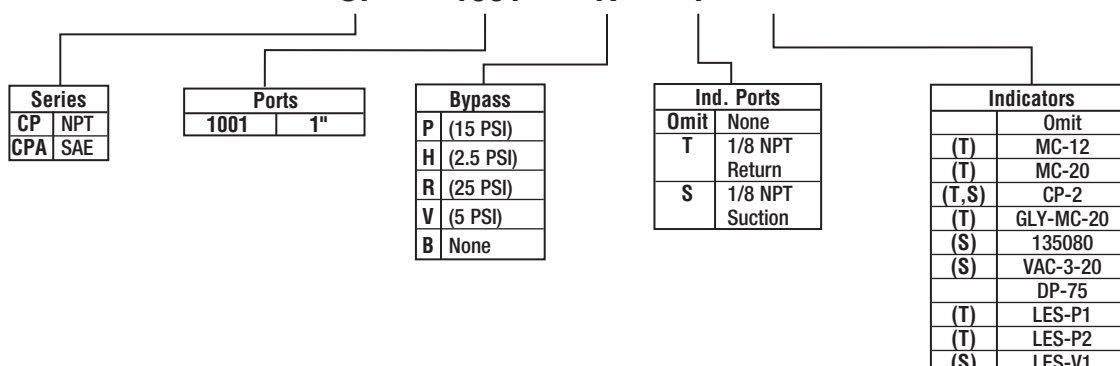
## Assembly Ordering Code

CP - 1000 - 10 - P - T



## Filter Head Ordering Code

CP - 1001 - R - T -





## General Filter Specifications

### Bypasses

Differential opening set value + - 10%

### Medias

<b>Cellulose</b>	Resin impregnated paper
<b>Synthetic</b>	Inorganic micro fiber
<b>Wire Mesh</b>	140 micron, 100 mesh stainless Steel
<b>Water Removal</b>	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)

### Compatibility 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)

### Indicators

<b>Visual</b>	Suction & return visual gauges
<b>Electrical</b>	Suction & return electrical switches
<b>Differential</b>	Return indicators

### Mineral Oil Types

<b>HH</b>	Non inhibited refined mineral oils
<b>HL</b>	Refined mineral oils with anti-oxidation and anti-rust properties
<b>HM</b>	HL fluids with improved anti wear
<b>HR</b>	HL oils with VI improvers
<b>HV</b>	Lubricants with high viscosity
<b>HG</b>	HM oils with anti-stick slip properties

### Water based Emulsions

<b>HFAE</b>	Oil water emulsions or aqueous fluids which are further with additional letters
<b>HFAS</b>	Solutions of chemicals containing minimum 80% of water
<b>HFC</b>	Aqueous solutions with viscosity-increasing additives and minimum 35% mass water

### Synthetic Fluids

<b>HFDU</b>	Fire resistant fluids of other compositions
<b>HFDS</b>	HFD based upon phosphoric acid ester
<b>HS</b>	Synthetic fluids with no specific fire resistant properties
<b>HFDR</b>	HFD based on halogen-containing compounds



LIT-1252-Bypass



LIT-1252-10P



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** (types HS, HFDR, HFDS, HFDU are okay consult Lenz for further information (types HS, HFDR, HFDS, HFDU)

### Viton seals

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





## 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)



CHANGE FILTER

### 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

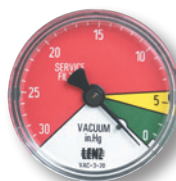
0-20 PSI Green  
21-24 PSI Yellow  
25-60 PSI Red (Service Filter)  
(To be used with "T" Indicator Port Location)



### 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)

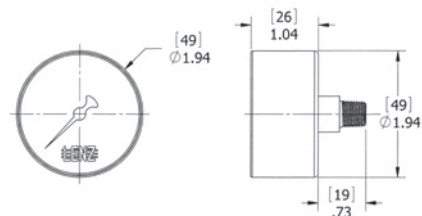


### Differential Indicator DP-75

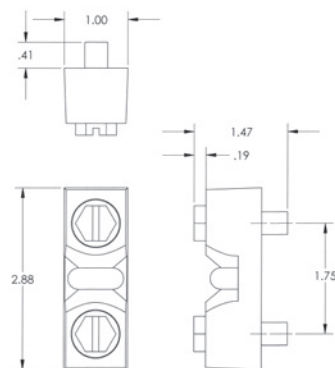
Simple differential sliding  
indicator which changes from  
green to red at 7 PSID.

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

\*Indicators ordered and shipped separately



### DIAL INDICATOR



### DP-75



## 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

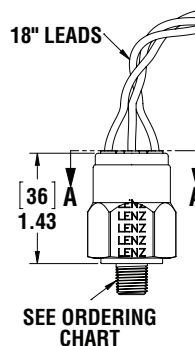
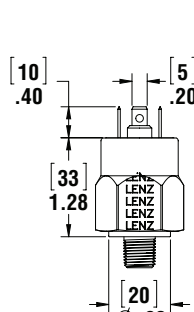
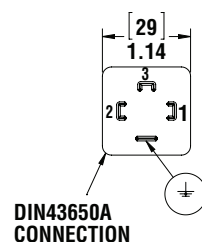
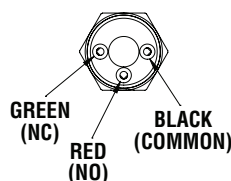
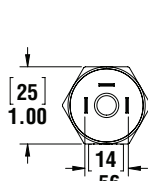


LES-FL

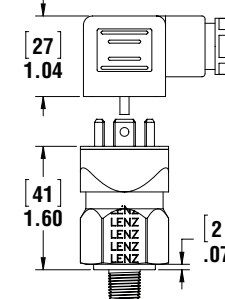


LES-HC

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



LES-HC

## Switch Ordering Code

LES — P1 — 2N — B — HC —

Series	Adjustment Range	Thread	Seals	Electrical Connection	Options
LES	P1 3-20 PSI P2 15-80 PSI V1 5-30" HG Rising	2N 1/8" NPT 4N 1/4" NPT 4S 7/16"-20 6S 9/16"-18	B Buna V Viton E EPDM	FL Flying Leads HC Din Clamp	Omit SS Stainless Housing IL Ind Light

\*Indicators ordered and shipped separately

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](http://www.lenzinc.com))