



Canister Filter

Return Line Applications
CP-250, 380, CPA-380

Specifications

- Working pressure 200 PSI (14 Bar) 80 PSI ΔP w/o bypass
- Operating Temperatures -25°F to +212°F (-32°C to +100°C)
- Flows to 7 GPM (26 LPM) Return
- Flows to 2 GPM (7 LPM) Suction
- Die Cast Aluminum casting
- Buna Seals
- Compatible with mineral oils HH, HL, HM, HR, HV, HG according to ISO 6743/4
- Maximum pressure differential 80 PSI (5 Bar)
- Bypass in filter elements
- .90 lbs shipping weight

Options

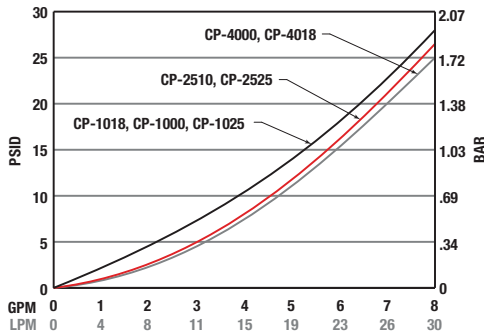
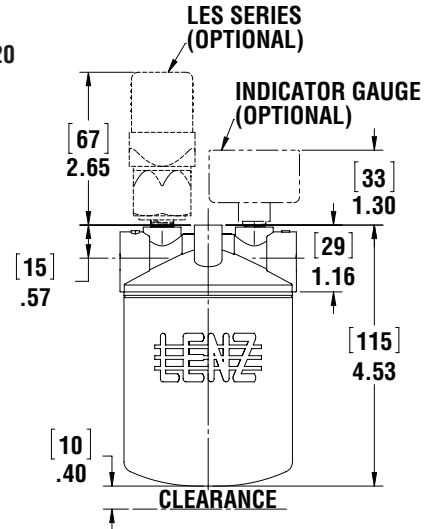
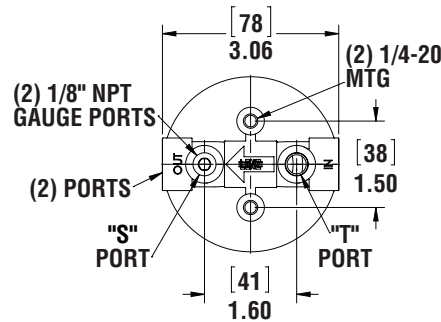
- NPT or SAE ports
- Indicator ports
- 10, 25, 40 micron elements
- 0, 18, 25 PSID. Bypass options



CP-250, CP-380
CPA-380



CP-1018



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

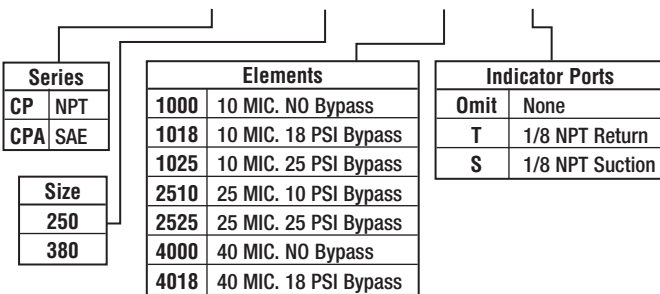
Filter Head Ordering Code

HEAD	Port
CP-251	1/4" NPT
CP-381	3/8" NPT
CPA-381	9/16"-18 SAE

Average Pressure drop through clean assembly with 150 SUS oil at 100F

Assembly Ordering Code

CPA - 380 - 1018 - *



For indicators see page 38a-39a

See Technical Bulletin TB.FIL04.708, TB.FIL11.708, TB.FIL13.708, TB.FIL16.708, for further information at (Technical Data - www.lenzinc.com)

Replacement Elements

Model	Micron	Bypass	Avg	Area	Area	Element	Dirt Holding Capacity
NUMBER	RATING		BETA	IN2	CM2	THREAD	6
CP-1000	10	None	2	126	818	3/4"-16 UNF	6
CP-1018	10	18	2	113	733	3/4"-16 UNF	6
CP-1025	10	25	2	113	733	3/4"-16 UNF	6
CP-2510	25	10	2	129	838	3/4"-16 UNF	6
CP-2525	25	25	2	129	838	3/4"-16 UNF	6
CP-4000	40	None	2	126	838	3/4"-16 UNF	6
CP-4018	40	18	2	126	818	3/4"-16 UNF	6



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



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 consult Lenz for further information

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)

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

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

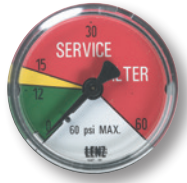
Synthetic Fluid Types

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

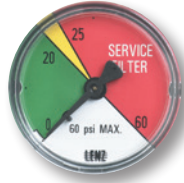




2" Diameter Filter Indicating Gauges



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)

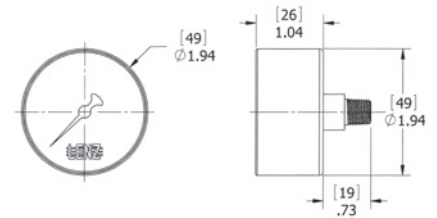


VAC-3-20
Suction Line Indicating Gauge
for 3 PSI vacuum filter applications
2" Multi color
0-3" HG Green
4-6" HG Yellow
6-30" HG Red (Service Filter)
(To be used with "S" Indicator Port Location)

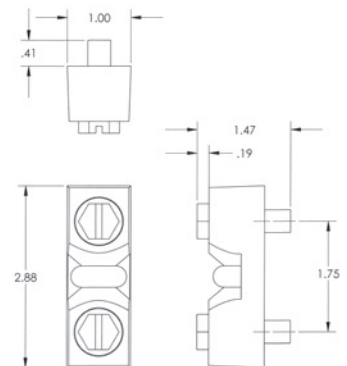


**Differential Indicator
DP-75**
Simple differential sliding
indicator which changes from
green to red at 7 PSID.
0 - 7 PSID. Green Clean
7 - 10 PSID. Red Service Filter
CP Series (500, 750, 1010, 1280,
1580)

**Indicators ordered and shipped 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

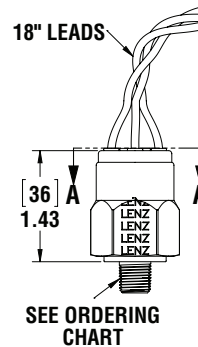
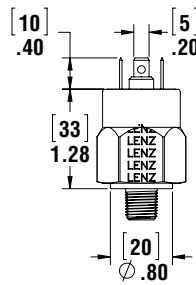
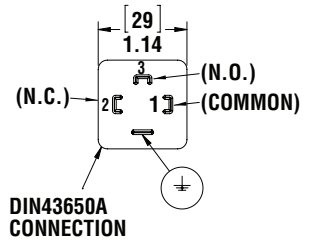
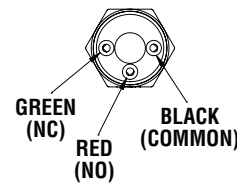
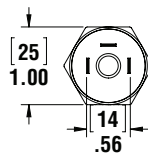


LES-FL

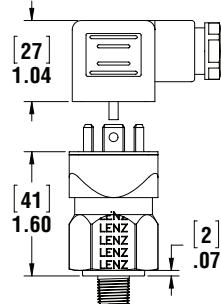


LES-HC

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



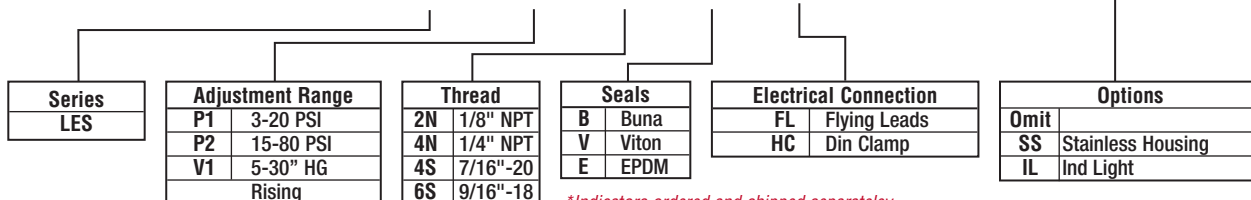
LES-FL



LES-HC

Switch Ordering Code

LES - P1 - 2N - B - HC -



*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)