Canister Filters/Disposable Type

Suction or Return Line Application
Model Series CP-1280, 1250, 1260, 1580

Specifications

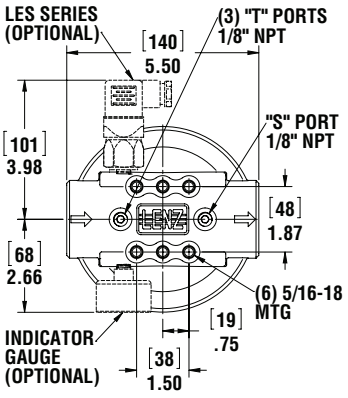
- Working pressure 150 PSI (10 Bar) 80 PSI ΔP w/o bypass
- Operating temperatures -22°F to +212°F (-32°C to +100°C)
- Flows to 60 GPM (227 LPM) Return
- Flows to 12 GPM (45 LPM) Suction
- 1" NPT, 1 5/8"-12 SAE Ports, 1 1/2" NPT, 1 7/8"-12 SAE
- Element post threads 1 1/2"-16 UNF or 1 1/4" BSP
- Aluminum casting
- Buna seals
- Compatible with mineral oils HH, HL, HM, HR, HV, HG, according to ISO 6743/4
- 6 (lbs), 2-2.5 (kgs) shipping weight

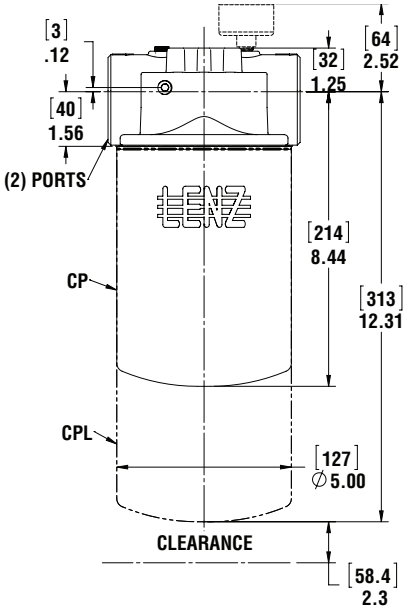
Options

- NPT or SAE Ports
- 10, 25, micron cellulose, 3, 6, 10, 25 synthetic elements
- Water absorbing elements
- 100 wire mesh element
- Visual or electrical indicators
- 2.5, 5, 15, 25, PSID., blocked bypass options for return or suction

CP-1260 Series
CP-1280 Series
CP-1580 Series

CPL-1260 Series
CPL-1280 Series
CPL-1580 Series





CP-1281

The dual post thread on this head accepts both European and North American standard filter elements.

Filter Head Ordering Code

CP — 1281 — R — T

Series	
CP	NPT
CPA	SAE
GRECP	NPT
GRECPA	SAE

Filter Head	Port Size
CP-1261	1"
CP-1281	1 1/4"
CP-1581	1 1/2"

Bypass	
P	(15 PSI)
H	(2.5 PSI)
R	(25 PSI)
V	(5 PSI)
B	(None)

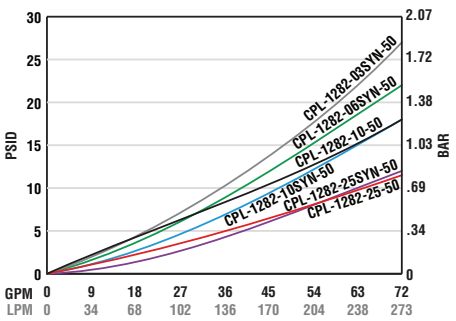
Ind. Ports	
Omit	None
T	1/8 NPT Return
S	1/8 NPT Suction
T, S	ALL PORTS

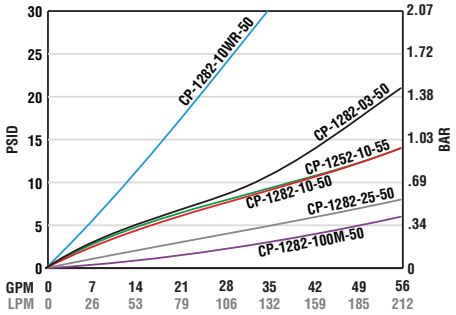
Indicating Gauges	
Omit	
(T)	MC-12
(T)	MC-20
(T,S)	CP-2
(T)	GLY-MC-20
(S)	135080
(S)	VAC-3-20
(T)	LES-P1
(T)	LES-P2
(S)	LES-V1

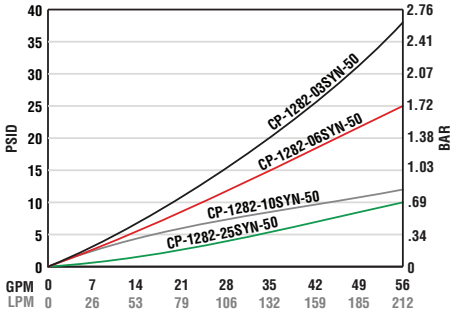
**Indicators ordered and shipped separateley*

See Technical Bulletin TB.FIL01.708, TB.FIL04.708, TB.FIL09.708, TB.FIL11.708, TB.FIL13.708, TB.FIL16 .708, for further information at (Technical Data – www.lenzinc.com)

Phone: 937/277-9364 FAX: 937/277-6516 www.lenzinc.com







Temperature 100°F Viscosity 150 SUS
Average pressure drop through clean assembly
(the above data is for a single element)

Assembly Ordering Code

CP — * — 1280 — 10 — R — T

Series	
CP	NPT
CPA	SAE

Element LENGTH	
*Omit	STD.
L	EXTD.

Model
1250
1260
1280
1580

*1250 Only standard length element

Media	Model	Length Std.	Length Ext.
3	3 Micron	X	
10	10 Micron	X	X
25	25 Micron	X	X
3SYN	3 Micron	X	X
6SYN	6 Micron	X	X
10SYN	10 Micron	X	X
25SYN	25 Micron	X	X
10WR	10 Micron		
100M	140 Micron		

Bypass	
P	(15 PSI)
R	(25 PSI)
V	(5 PSI)
H	(2.5 PSI)
B	(None)

Indicator Ports	
Omit T	Return PORTS ONLY
S	Suction PORTS ONLY
T, S	ALL PORTS

Replacement Elements

Model Number	Media Type Micron	in Area	cm Area	Element Thread	Rating B(X)=2/20/75	Dirt Holding Capacity
CP-1282-03-50	3 Micron Cellulose	850	5483	1 1/2-16 UNF	3µ/10µ/22µ	31
CP-1282-10-50	10 Microncellulose	950	6129	1 1/2-16 UNF	10µ/22µ/33µ	34
CP-1282-25-50	25 Micron Cellulose	950	6129	1 1/2-16 UNF	29µ/46µ/54µ	34
CP-1282-03SYN-50	3 Micron Synthetic	625	4032	1 1/2-16 UNF	2µ/3µ/4µ	31
CP-1282-06SYN-50	6 Micron Synthetic	625	4032	1 1/2-16 UNF	5µ/6µ/8µ	35
CP-1282-10SYN-50	10 Micron Synthetic	561	3619	1 1/2-16 UNF	4µ/10µ/12µ	38
CP-1282-25SYN-50	25 Micron Synthetic	673	4341	1 1/2-16 UNF	8µ/25µ/30µ	50
CPL-1282-10-50	10 Cellulose	1227	7916	1 1/2-16 UNF	10µ/22µ/33µ	62
CPL-1282-25-50	25 Cellulose	1227	7916	1 1/2-16 UNF	29µ/46µ/54µ	62
CPL-1282-03SYN-50	3 Micron Synthetic	1265	8161	1 1/2-16 UNF	2µ/3µ/4µ	47
CPL-1282-06SYN-50	6 Micron Synthetic	1115	7193	1 1/2-16 UNF	5µ/6µ/8µ	54
CPL-1282-10SYN-50	10 Micron Synthetic	1041	6716	1 1/2-16 UNF	4µ/10µ/12µ	59
CPL-1282-25SYN-50	25 Micron Synthetic	1246	8028	1 1/2-16 UNF	8µ/25µ/30µ	76
CP-1252-10-55	10 Micron Cellulose	946	6103	1 1/4 BSP	9µ/22µ/24µ	34
CP-1282-10WR-50	10 Water Removal	650	4193	1 1/2-16 UNF	10µ/18µ	15 Ounces
CP-1282-100M-50	100 SS Wire Mesh	200	1290	1 1/2-16 UNF	N/A	N/A

Beta Rating of 2 = 50% Efficiency
Beta Rating of 20 = 95% Efficiency
Beta Rating of 75 = 98.7% Efficiency
Note: 80 PSI Pressure Drop Maximum
Without Bypass Valve In Filter Head

For indicator gauge specifications and ordering information see pages 38a-39a

**Indicators ordered and shipped separateley*

General Filter Specifications

LIT-1252-Bypass

LIT-1252-10P

CP-752-10

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)

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

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

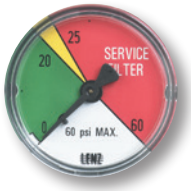
Synthetic Fluid Types

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)

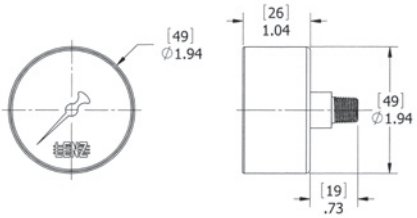
VAC-3-20
Suction Line Indicating Gauge
for 3 PSI vacuum filter applications
2" Multi color

0-3" HG Green
4-6" HG Yellow
6-30" HG Red (Service Filter)
(To be used with "S" Indicator Port Location)

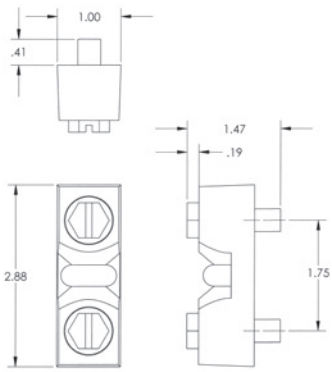
Differential Indicator
DP-75
Simple differential sliding indicator which changes from green to red at 7 PSID.

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

**Indicators ordered and shipped separateley*



DIAL INDICATOR



DP-75

Phone: 937/277-9364 FAX: 937/277-6516 www.lenzinc.com

Electrical Filter Indicators

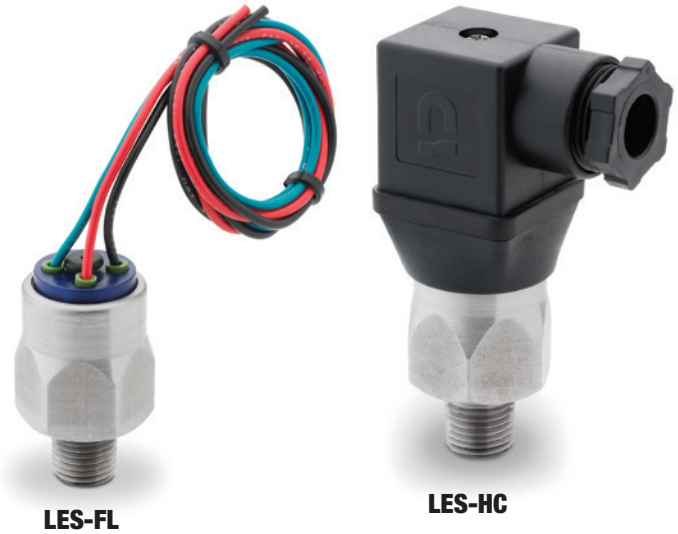
Field Adjustable

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

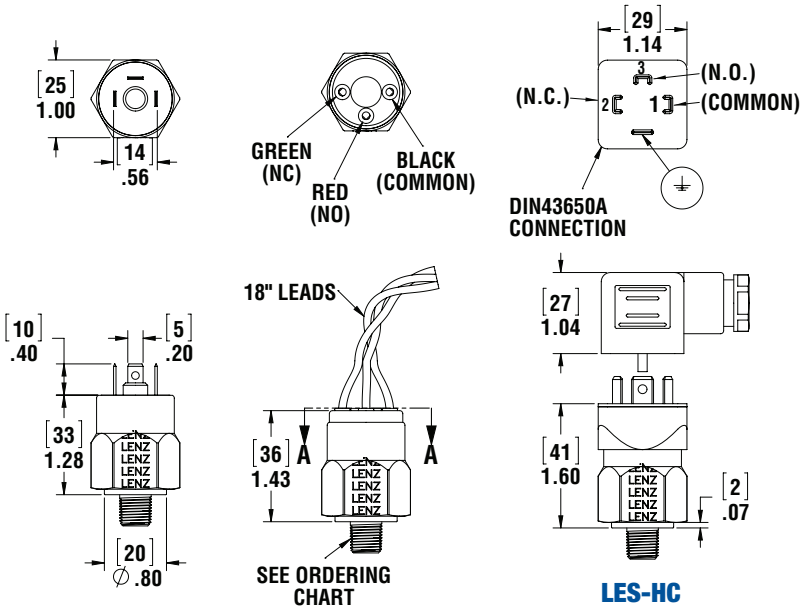
Options:

- 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
LES

Adjustment Range	
P1	3-20 PSI
P2	15-80 PSI
V1	5-30" HG
	Rising

Thread	
2N	1/8" NPT
4N	1/4" NPT
4S	7/16"-20
6S	9/16"-18

Seals	
B	Buna
V	Viton
E	EPDM

Electrical Connection	
FL	Flying Leads
HC	Din Clamp

Options	
Omit	
SS	Stainless Housing
IL	Ind Light

*Indicators ordered and shipped separateley

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)