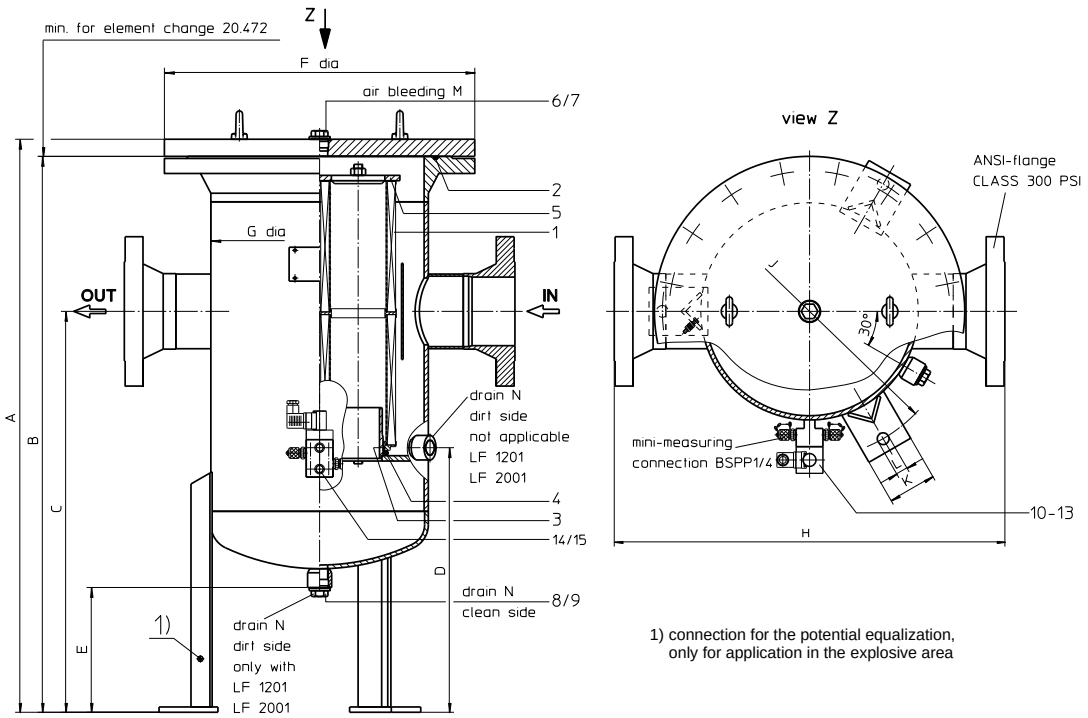

1) connection for the potential equalization, only for application in the explosive area

3. Dimensions: inch

type	conn. ANSI	A	B	C	D	E	F	G	H	J	K	L	M	N	weight lbs.	volume tank
LF1201	2“	41.42	40.47	15.75	-	7.40	13.38	8.62	18.66	12.99	2.76	.71	½ BSPP	1 BSPP	132	6.8 Gal
	2 ½“	42.20	41.22													7.1 Gal
	3“	41.42	40.47													6.8 Gal
	4“	44.40	43.46													7.6 Gal
LF2001	2 ½“	43.03	42.00	16.73	-	7.32	15.94	10.75	22.68	14.96	2.76	.71	1 BSPP	1 BSPP	242	11.5 Gal
	3“	43.77	42.75													11.7 Gal
	4“	43.30	42.28													11.5 Gal
	5“	46.77	45.74													12.6 Gal
LF2401	2 ½“	40.08	38.98	27.56	17.52	7.20	18.11	12.46	26.77	17.72	2.76	.71	1 BSPP	1 BSPP	286	14.5 Gal
	3“															
	4“															
	5“															
LF3601	3“	42.20	40.94	29.53	19.49	9.37	22.83	15.98	28.74	21.65	3.54	.87	1 BSPP	1 BSPP	572	23.7 Gal
	4“															
	5“															
	6“															
LF 4801/6001	4“	43.94	42.52	31.50	21.06	9.13	28.15	20.00	35.04	25.95	3.54	.87	1 BSPP	1 BSPP	682	38.3 Gal
	5“															
	6“															
	8“															
LF 9001	5“	1366	1330	925	535	232	715	508	800	650	90	22	G1	G1	365	365,0 l
	6“															
LF10001	5“	56.10	43.70	31.50	22.44	11.14	35.83	27.99	42.91	35.43	4.72	.87	1 ½ BSPP	1 ½ BSPP	1232	74.7 Gal
	6“															
	8“															
	10“															

EDV 03/21

PRESSURE FILTER
Series LF 1201-10001 232 PSI

Sheet No. **1118 M**

1. Type index:

1.1. Complete filter: (ordering example)

LF. 2001. 10VG. 10. E. P. -. FA1. 9. -. AE

1	2	3	4	5	6	7	8	9	10	11

1 **series:**
LF = in-line filter

2 **nominal size:** 1201, 2001, 2401, 3601, 4001, 4801, 6001, 9001, 10001

3 **filter material and filter fineness:**
80 G = 80 µm, 40 G = 40 µm, 25 G = 25 µm stainless steel wire mesh,
25 VG = 20 $\mu m_{(c)}$, 16 VG = 15 $\mu m_{(c)}$, 10 VG = 10 $\mu m_{(c)}$, 6 VG = 7 $\mu m_{(c)}$, 3 VG = 5 $\mu m_{(c)}$ glass fibre
25 API = 20 µm, 10 API = 10 µm glass fibre according to API
10 P = 10 µm paper

4 **resistance of pressure difference for filter element:**
10 = Δp 145 PSI

5 **filter element design:**
E = without by-pass valve
S = with by-pass valve Δp 29 PSI

6 **sealing material:**
P = Nitrile (NBR)
V = Viton (FPM)

7 **filter element specification:**
- = standard
VA = stainless steel
IS06 = for HFC application, see sheet-no. 31601

8 **process connection:**
FA1 = ANSI-flange connection CLASS 300 PSI, sealing surface rough grind 1600-3600 µin
FA2 = ANSI-flange connection CLASS 300 PSI, sealing surface rough grind < 640µin

9 **process connection size:**

connection	filter nominal size							
8 = 2“	1201							
9 = 2 ½“	1201	2001	2401					
A = 3“	1201	2001	2401	3601				
B = 4“	1201	2001	2401	3601	4801	6001		
C = 5“		2001	2401	3601	4801	6001	9001	10001
D = 6“				3601	4801	6001	9001	10001
E = 8“					4801	6001		10001
F = 10“								10001

10 **filter housing specification:**
- = standard
IS06 = for HFC application, see sheet-no. 31605

11 **clogging indicator or clogging sensor:**
- = without
OP = visual, see sheet-no.1628; OE = visual-electric, see sheet-no 1628
AE = visual-electric, see sheet-no.1609; VS5 = electronic, see sheet-no.1641

1.2. Filter element: (ordering example)

01E. 2001. 10VG. 10. E. P. -

1	2	3	4	5	6	7

1 **series:**
01E. = filter element according to company standard

2 **nominal size:** 1201, 2001, 3001

3 - 7 see type index-complete filter

2. Accessories:

- measure-and bleeder -connections, see sheet-no. 1650
- evacuation- and bleeder-connections, see sheet-no. 1651
- counter flanges, ANSI-flange 300 PSI
- lifting mechanism, see sheet-no. 1661

Changes of measures and design are subject to alteration!

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4. Spare parts:

4.1. Depending on different series:

item	designation	qty.	dimension and article-no. LF 1201	dimension and article-no. LF 2001	qty.	dimension and article-no. LF 2401	qty.	dimension and article-no. LF 3601	qty.	dimension and article-no. LF 4801	qty.	dimension and article-no. LF 6001	qty.	dimension and article-no. LF 9001	qty.	dimension and article-no. LF 10001
1	filter element	1	01E.1201	01E.2001	2	01E.1201	3	01E.1201	4	01E.1201	3	01E.2001	3	01E.3001	5	01E.2001
2	O-ring	1	225 x 5 308652 (NBR) 311473 (FPM)	275 x 5 307414 (NBR) 310288 (FPM)	1	330 x 5 303080 (NBR) 310275 (FPM)	1	429 x 6 308659 (NBR) 310273 (FPM)	1	516 x 6 301962 (NBR) 311474 (FPM)	1	516 x 6 301962 (NBR) 311474 (FPM)	1	516 x 6 301962 (NBR) 311474 (FPM)		722 x 8 308145 (NBR) 311805 (FPM)
3	O-ring	1	93 x 5 307588 (NBR) 307589 (FPM)	135 x 5 306016 (NBR) 307045 (FPM)	2	93 x 5 307588 (NBR) 307589 (FPM)	3	93 x 5 307588 (NBR) 307589 (FPM)	4	93 x 5 307588 (NBR) 307589 (FPM)	3	135 x 5 306016 (NBR) 307045 (FPM)	3	135 x 5 306016 (NBR) 307045 (FPM)	5	135 x 5 306016 (NBR) 307045 (FPM)
4	O-ring	1	85 x 10 304386 (NBR) 304541 (FPM)	125 x 10 304388 (NBR) 306006 (FPM)	2	85 x 10 304386 (NBR) 304541 (FPM)	3	85 x 10 304386 (NBR) 304541 (FPM)	4	85 x 10 304386 (NBR) 304541 (FPM)	3	125 x 10 304388 (NBR) 306006 (FPM)	3	125 x 10 304388 (NBR) 306006 (FPM)	5	125 x 10 304388 (NBR) 306006 (FPM)
5	spring	1	304414		-	-	-	-	-	-	-	-	-		-	
	pressure plate	-	-		1	309851	1	313116	1	314718	1	313335	1	313335	1	313062
6	screw plug	1	BSPP ½ 309730	BSPP 1 309732	1	BSPP 1 309732										BSPP 1 ½ 318556
7	gasket	1	A 22 x 27 305564	A 33 x 39 308257	1	A 33 x 39 308257										A 48 x 55 309764
8	screw plug	1	BSPP 1 309732	BSPP 1 309732	2	BSPP 1 309732										BSPP 1 ½ 318556
9	gasket	1	A 33 x 39 308257	A 33 x 39 308257	2	A 33 x 39 308257										A 48 x 55 309764

4.2. Independing on the series:

item	qty.	designation	dimension	article-no.
10	1	clogging indicator, visual	OP	see sheet-no. 1628
11	1	clogging indicator, visual-electric	OE	see sheet-no. 1628
12	1	clogging indicator, visual-electric	AE	see sheet-no. 1609
13	1	clogging sensor, electronic	VS5	see sheet-no. 1641
14	2	screw plug	BSPP ¼	309734
15	2	gasket	A 14 x 18	306330

5. Description:

In-line filters of the series LF 1201-10001 are suitable for a working pressure up to 232 PSI. Pressure peaks can be absorbed with a sufficient margin of safety.
The filter is in-line mounted. Inlet and outlet are on the same level. The filters can be installed as suction-filter, pressure-filter or return-line filter.
The filter element consist of star-shaped, pleated filter material which is supported on the inside by a perforated core tube and is bonded to the end caps with a high-quality adhesive. The flow direction is from outside to the inside.
The particles are hold back on the outside. For cleaning (see special leaflet 21070-4 resp. 39448-4) the mesh element respectively to change the glass fibre element remove the cover and take out the element.
Filter finer than 40 µm should use throw-away elements made of paper or glass fibre. Filter elements as fine as 5 $\mu m_{(c)}$ are available; finer filter elements on request.
Eaton filter elements are known as elements with a high intrinsic stability and an excellent filtration capability, a high dirt-retaining capacity and a long service life.
Eaton filter are suitable for all petroleum based fluids, HW-emulsions, most synthetic hydraulic fluids and lubrication oils.
Ship classifications available upon request.

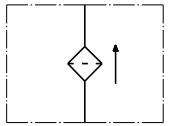
6. Technical data:

Operating temperature:	+14°F to +212°F
operating medium:	mineral oil, other media on request
max. operating pressure:	232 PSI
test pressure:	332 PSI
connection system:	ANSI-flange connection CLASS 300 PSI
housing material:	c-steel
sealing material:	Nitrile (NBR) or Viton (FPM), other materials on request
installation position:	vertical
mini-measuring connection:	¼ BSPP

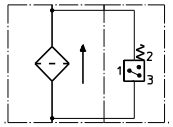
Classified under the Pressure Equipment Directive 2014/68/EU for mineral oil (fluid group 2), Article 4, Para. 3.
Classified under ATEX Directive 2014/34/EU according to specific application (see questionnaire sheet-no. 34279-4).

7. Symbols:

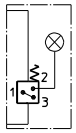
without indicator



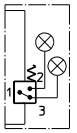
with electric indicator
AE 30 and AE 40



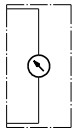
with visual -
electric indicator
AE 50 and AE 62



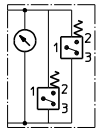
with visual -
electric indicator
AE 70 and AE 80



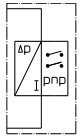
with visual
indicator
OP



with visual -
electric indicator
OE



with electronic
clogging sensor
VS5



8. Pressure drop flow curves:

Precise flow rates see ‘Interactive Product Specifier’, respectively Δp-curves; depending on filter fineness and viscosity.

9. Test methods:

Filter elements are tested according to the following ISO standards:

ISO 2941	Verification of collapse/burst resistance
ISO 2942	Verification of fabrication integrity
ISO 2943	Verification of material compatibility with fluids
ISO 3723	Method for end load test
ISO 3724	Verification of flow fatigue characteristics
ISO 3968	Evaluation of pressure drop versus flow characteristics
ISO 16889	Multi-pass method for evaluating filtration performance