LMF Flanged Compressed Air System

LMF LFF series







High Performance Elements inside



Features

- Elements are assembled by the help of a tie rod system
- Two external float drains for maximum drainage
- Unique design for pre-separation zor
- Strong welded design
- CE and ASME tanks available
- Design for easy element change from top flange



External Float Drain

LMF external drainis designed to remove liquid condensation from collec points in a Compressed Air System. Durable epoxy powder-coat finish and corrosion resistant internal anodise coating for longer service life.

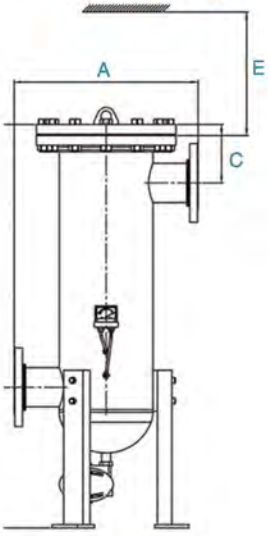
Technical Specifications

Model	Drain Port Size	Inlet/Outlet Port Size	Flow Rate		Max. working pressure (barg)	Element Model	Number of Elements	Housing Dimensions (mm)				
			(m^3/h)	(scfm)				A	B	C	D	E
LFF2500	1/2"	DN80	2500	1470	14	M1200	2	450	1287	277	747	650
LFF3200	1/2"	DN100	3200	1880	14	M1200	3	450	1317	277	767	650
LFF4300	1/2"	DN100	4300	2530	14	M1200	4	530	1344	279	769	650
LFF6500	1/2"	DN150	6500	3825	14	M1200	6	580	1425	331	796	650
LFF8500	1/2"	DN150	8500	5000	14	M1200	8	650	1439	333	798	650
LFF11000	1/2"	DN200	11000	6470	14	M1200	10	750	1504	365	825	650
LFF14000	1/2"	DN200	14000	8235	14	M1200	14	800	1545	383	833	650
LFF17000	1/2"	DN250	17000	10000	14	M1200	16	850	1583	417	862	650
LFF21000	1/2"	DN300	21000	12350	14	M1200	17	850	1680	447	887	650
LFF25500	1/2"	DN350	25500	15000	14	M1200	23	850	1778	487	917	650
LFF30000	1/2"	DN350	30000	17650	14	M1200	28	850	1778	487	917	650

Specifications	Pre Filtering	General Purpose	Oil Removal	Activated Carbon
Grade	**P**	**X**	**Y**	**A**
Particle Removal (Micron)	5	1	0,01	0,01
Max. Oil carryover at 21°C (mg/m^3)	5	0,5	0,01	0,003
Max. working temperature (°C)	80	80	80	25
Initial pressure loss (mbar)	40	80	100	80
Pressure loss for element change (mbar)	700	700	700	700
Element colour code	WHITE	WHITE	WHITE	METAL SS

DRAIN TYPE
Electro - adjustable
External float type
Zero-loss Drain
Manual

Minimum clearance for element change



Correction Factor

Operating Pressure (barg)	1	3	5	7	9	11	13	14
PSIG	15	44	73	100	131	160	189	200
Correction Factor	0,5	0,71	0,87	1	1,12	1,22	1,32	1,38

For maximum flow rate, multiply model flow rate show in the above table by the correction factor corresponding to the working pressure.

NOTES:

1) Grade A must not operate in oil saturated conditions.
2) Grade A elements should be replaced periodically to suit the applications but must be changed at least every six months.
3) Grade A will not remove certain gases including carbon monoxide and carbon dioxide. Please refer to works if in doubt.
4) Flow rates are based on a 7 bar operating pressure, for flows at other pressures use correction factor given above.
5) All filters are suitable for use with mineral and synthetic oils.
6) Other standards for flanged connections are available.
7) Direction of air flow, inside to out, through filter element

ORDERING:

The complete filter model number contains the size and grade, Example - pipe size NW100 oil removal filter with model filter 3200MY replacement filter element model M1200Y.



LMF ROTARY SCREW TECHNOLOGY