



FITALLOY TECHNOLOGY

# FILTER LEAF





# ABOUT US

## Fitalloy Technology Limited

Fitalloy is an advanced metal filter elements manufacturer & supplier, with more than 20 years of experience. We have introduced the state of art machines and employed experienced technicians to supply high-performance, innovative materials, and solutions for applications in filtration and separation. Our products include:

- | Sintered Mesh Filter
- | Sintered Plate Filter
- | Pleated Metal Filter
- | Sintered Fiber Felt
- | Polymer Filter Elements
- | Polymer Leaf Disc
- | Polymer Extruder Screen
- | Sintered Powder Filter
- | Asymmetric Sintered Metal Filter
- | Hot Gas Filtration Elements
- | Filter Leaf
- | SPL Filter

Our products are widely used in numerous industries including aerospace, oil and gas, petrochemical, water, mine, polymer, food & beverage, automotive, and many other filtration and separation industries. With so many applications, we have built the R&D, design, machining, sales, and quality control departments. With the design and tailored solutions, we then translate them into high-level products. And our team has been learning about the forefront of filtration technology from industrial leading companies. Here customers could get high-quality products at an economic price!

# FILTER LEAF



**Filter leaves** are used for vertical and horizontal leaf filters.

Construction-5layers metal wire mesh:

- ✓ Outside layer (front and back): dutch woven mesh
- ✓ Inner 3 layer: coarse woven mesh
- ✓ 5layers are combined with a tubular frame and anti-leak riveting.

## Advantages:

- ✓ Good sealing ability, without leakage
- ✓ High flow rate, high filter efficiency
- ✓ High filter area, double sides filtration
- ✓ High filtration accuracy
- ✓ Low pressure drop
- ✓ Robust structure with a reinforced frame and riveting
- ✓ Fast cleaning, online cleaning
- ✓ Wet and dry cake discharge



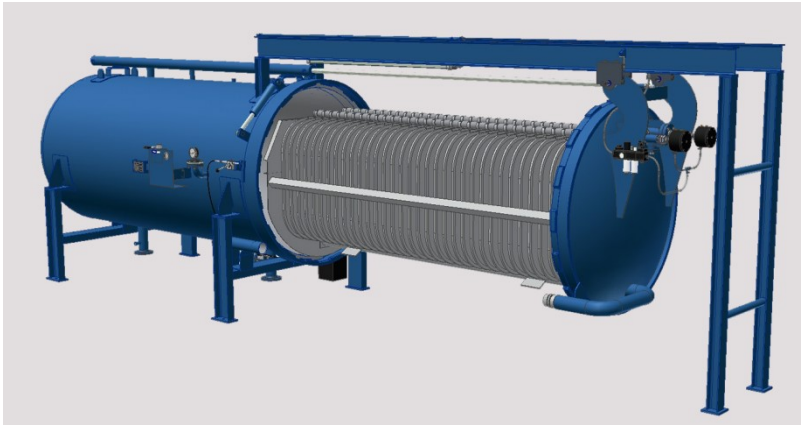
### Applications:

- ✓ Edible oil industry, such as vegetable oil, Oleo oil and so on
- ✓ Beverage and food industry, such as juice, sugar, glucose, vinegar and so on
- ✓ Pharma industry, such as pharmaceutical intermediate, intravenous solutions and so on.
- ✓ Chemical industry, such organic salt, inorganic salt, dyes and so on.
- ✓ Petrochemical industry, such as lubrication oil, crude oil and so on
- ✓ Food industry
- ✓ Mining and metallurgy industry



Vertical Pressure Leaf Filter									
Item Number	Tank Diameter		Number of Leaves	Leaf Spacing		Filter Area		Cake Volume	
	in	mm		in	mm	ft <sup>2</sup>	m <sup>2</sup>	ft <sup>3</sup>	m <sup>3</sup>
VPLF-18	18	457	4	3 3/4	95	15	1.4	1.9	0.05
			5	2 3/8	60	21	2	1.42	0.04
			7	1 7/8	48	29	2.7	1.36	0.03
VPLF-24	24	610	5	3 3/4	95	30	2.8	3.9	0.11
			5	3 3/4	95	60	5.6	7.5	0.21
			8	2 3/8	60	45	4.2	3.04	0.08
			11	1 7/8	48	59	5.5	2.76	0.07
			8	2 3/8	60	93	8.6	6.29	0.17
			11	1 7/8	48	123	11.4	5.76	0.16
VPLF-30	30	762	6	4 1/2	114	83	7.7	12.1	0.34
			7	3 3/4	95	100	9.3	12.5	0.35
			11	2 3/8	60	159	14.8	10.76	0.3
			13	1 7/8	48	193	17.9	9.05	0.25
VPLF-36	36	914	7	4 1/2	114	123	11.4	18	0.51
			8	3 3/4	95	140	13.0	17.5	0.5
			13	2 3/8	60	232	21.6	15.7	0.44
			17	1 7/8	48	300	27.9	14.06	0.39
VPLF-42	42	1067	8	4 1/2	114	167	15.5	24.4	0.69
			10	3 3/4	95	209	19.4	26.2	0.74
			16	2 3/8	60	325	30.2	22	0.62
			20	1 7/8	48	413	38.4	19.36	0.54
VPLF-48	48	1219	10	4 1/2	114	231	21.5	33.7	0.95
			12	3 3/4	95	279	25.9	34.9	0.99
			18	2 3/8	60	430	39.9	29.11	0.82
			23	1 7/8	48	547	50.8	25.64	0.73
VPLF-54	54	1372	11	4 1/2	114	295	27.4	43	1.22
			13	3 3/4	95	350	32.5	43.8	1.24
			20	2 3/8	60	545	50.6	39.9	1.04
			25	1 7/8	48	683	63.5	32.01	0.96
VPLF-60	60	1524	12	4 1/2	114	365	33.9	53.2	1.51
			14	3 3/4	95	429	39.9	53.6	1.52
			22	2 3/8	60	675	62.7	45.7	1.29
			28	1 7/8	48	855	79.4	40.04	1.13

Note: Other sizes and leaf spacing could be customized.



Specification of Horizontal Pressure Leaf Filter									
Item Number	Tank Diameter		Number of Leaves	Leaf Spacing		Filter Area		Tank Volume	
	in	mm		in	mm	ft <sup>2</sup>	m <sup>2</sup>	Galon	m <sup>3</sup>
HPLF-36	36	914	6	4	102	46.8	4.35	210	0.79
			8	3	76	62.4	5.79	210	0.79
			10	4	102	78	7.24	278	1.05
			13	3	76	101.4	9.42	278	1.05
			8	2.5	64	73.6	6.84	190	0.72
			12	2	51	110.4	10.25	210	0.79
HPLF-36	48	1219	8	4	102	120	11.14	461	1.74
			11	3	76	165	15.33	461	1.74
			13	4	102	195	18.11	584	2.21
			15	3	76	225	20.9	584	2.21
			12	2.5	64	207.6	19.28	450	1.7
			16	2.5	64	276.8	25.71	550	2.08
			20	2.5	64	346	32.14	640	6.42
			24	2.5	64	415.2	38.57	720	2.73
HPLF-60	60	1524	12	4	102	303.6	28.2	909	3.44
			14	3	76	354.2	32.9	909	3.44
			16	4	102	404.8	37.6	1100	4.16
			20	3	76	506	47	1100	4.16
			16	3	76	440	40.87	930	3.52
			20	3	76	550	51.09	1110	4.2
			24	3	76	660	61.31	1270	4.81
			28	3	76	770	71.53	1435	5.43
HPLF-72	72	1829	16	4	102	612.8	56.93	1500	5.68
			22	3	76	842.6	78.27	1550	5.87
			26	3	76	995.8	92.5	1700	6.43
			34	3	76	1302.2	120.97	2100	7.95
			20	4	100	826	76.73	5950	2699
			26	4	100	1073.8	99.75	6825	3097
			32	4	100	1321.6	122.77	7100	3221
			38	4	100	1569.4	145.79	7675	3482

Note: Other sizes and leaf spacing could be customized.

# FILTALLOY



**FILTALLOY TECHNOLOGY LTD.**

Web: [www.alloyfilter.com](http://www.alloyfilter.com)

TEL: +86 318 5821388

Mob: +86 13313087837 (Whatsapp)

+86 13833822572 (Whatsapp)

Email: [info@alloyfilter.com](mailto:info@alloyfilter.com)

Add: High-tech Industrial Zone, Hengshui, Hebei, China, 053000