

## Engineering Specifications

Our engineering group works closely with our customers to develop system specifications and to insure all systems meet those specifications. All phases of design and manufacturing are documented as part of our quality program. A manual is provided with each filter complete with drawing, parts list, sequence of operations and maintenance

### Filter Sizes

In the below blue section are typical tanks and flow rates for metal working coolants. Wastewater and Frying Oil are application dependent.

Model	Filtering Area (Sq. Ft.)	Footprint (in.) L x W x H	Tank (Nominal) L x W x H	Capacity (gpm) Water Base*	Capacity (gpm) 200SSu Oil**
OPF-2MLP	2	63 x 47 x 56	108 x 72 x 36	95	50
OPF-2MD	2	93 x 57 x 66	108 x 72 x 36	95	50
OPF-4MLP	4	68 x 53 x 56	129 x 84 x 36	100	60
OPF-4MD	4	96 x 62 x 66	129 x 84 x 36	160	80
OPF-6MLP	6	77 x 60 x 56	165 x 108 x 48	240	100
OPF-7MD	7	107 x 71 x 68	190 x 108 x 48	280	115
OPF-9MLP	9	93 x 60 x 56	190 x 108 x 48	240	150
OPF-12MLP	12	112 x 62 x 56	190 x 108 x 48	240	200
OPF-12MD	12	110 x 87 x 81	190 x 108 x 84	480	200
OPF-18MD	18	134 x 94 x 81	240 x 130 x 84	720	300
OPF-21MLP	21	131 x 71 x 64	190 x 108 x 84	440	325
OPF-24MD	24	148 x 94 x 81	276 x 120 x 84	960	400
OPF-36MD	36	191 x 94 x 87	360 x 130 x 84	1440	600
OPF-50MD	50	174 x 129 x 91	Application Dependent	2000	835

Model	Filtering Area (Sq. Meters)	Footprint (m) L x W x H	Tank (Nominal) L x W x H	Capacity (lpm) Water Base*	Capacity (lpm) 200SSu Oil**
OPF-2MLP	0.2	1.6 x 1.2 x 1.4	2.7 x 1.8 x 0.9	350	180
OPF-2MD	0.2	2.4 x 1.4 x 1.7	2.7 x 1.8 x 0.9	350	180
OPF-4MLP	0.4	1.7 x 1.3 x 1.4	3.3 x 2.1 x 0.9	370	220
OPF-4MD	0.4	2.4 x 1.6 x 1.7	3.3 x 2.1 x 0.9	600	300
OPF-6MLP	0.6	2.0 x 1.5 x 1.4	4.2 x 2.7 x 1.2	900	370
OPF-7MD	0.7	2.7 x 1.8 x 1.7	4.8 x 2.7 x 1.2	1050	430
OPF-9MLP	0.8	2.4 x 1.5 x 1.4	4.8 x 2.7 x 1.2	900	560
OPF-12MLP	1.1	2.8 x 1.6 x 1.4	4.8 x 2.7 x 1.2	900	750
OPF-12MD	1.1	2.8 x 2.2 x 2.1	4.8 x 2.7 x 2.1	1810	750
OPF-18MD	1.7	3.4 x 2.4 x 2.1	6.1 x 3.3 x 2.1	2720	1130
OPF-21MLP	2	3.3 x 1.8 x 1.6	4.8 x 2.7 x 2.1	1660	1230
OPF-24MD	2.2	3.8 x 2.4 x 2.1	7.0 x 3.0 x 2.1	3630	1510
OPF-36MD	3.3	4.9 x 2.4 x 2.2	9.1 x 3.3 x 2.1	5450	2270
OPF-50MD	4.6	4.4 x 3.3 x 2.3	Application Dependent	7570	3160

## UTILITY REQUIREMENTS

### Electrical

- All Voltages Supported Including 120, 230, 400, 460 VAC and 24 VAC
- 50 Hz and 60 Hz
- 5-Amp Base Power

### Air

- 4-6 SCFM / ft<sup>2</sup> for 1 Minute Duration / Cycle
- 80-100 PSIG

### Water

- Supply as Needed For Cake Wash and Cleaning Options

### Pressure Limits

- 40 PSIG Standard

### Capacity

- Up to 3 ft<sup>3</sup> Solids / hr / ft<sup>2</sup> of Filter Area

### Available Design Standards

- NFPA, NEMA, UL, CSA
- IEC, CE
- Explosion Proof, Intrinsically Safe
- Food grade