

Delpark[®] Filters

Gravity Bed

Continuous · Automatic Industrial Filters



Providing environmental solutions
for industrial filtration and fluids management

Delpark® Filters Gravity Bed

Delpark Gravity Bed Filters are available in Carbon and Stainless Steel to meet most process requirements. Stainless models are ideal for all food processing. They meet FDA guidelines, handle corrosion resistant type applications and provide extra longevity for acidic environments. Custom units are available in many alloys to meet the most demanding applications.

All units can be customized to meet your specific requirements.



Clean Coolants for Higher Production

The continuous removal of coolant particles assures a constant supply of clean coolant, resulting in better product finishes and higher production. Coolant life is extended and maintenance downtime reduced. Grinding procedures, in particular, benefit from continuous coolant filtration, as grinding wheels are kept cleaner and enjoy longer operating life, while less wheel dressing is required.

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Filtration System

The Delpark® gravity bed filter is a continuous self-cleaning gravity filter. Solids are removed as liquid flows through the filter media and are then discharged in a relatively dry condition into an outside container.

The blanket type filter media is carried by an endless conveyor. The conveyor's sloping sides create a deep pool for the liquid, while an inclined discharge ramp provides carry off for the waste.

As unfiltered liquid flows onto the filter media, it passes through the media and deposits solids on the media surface (thus forming an additional filtering stage). When the rate of liquid flow through the filter media is appreciably slowed by accumulating waste, the level of standing liquid rises and actuates the float control.

The motor-driven conveyor belt is advanced, dumping waste-laden filter media into a holding box and bringing a section of fresh media into position under the liquid flow.

The float control senses when the liquid flow has resumed its proper rate, and controls media advance accordingly.

Typical Applications

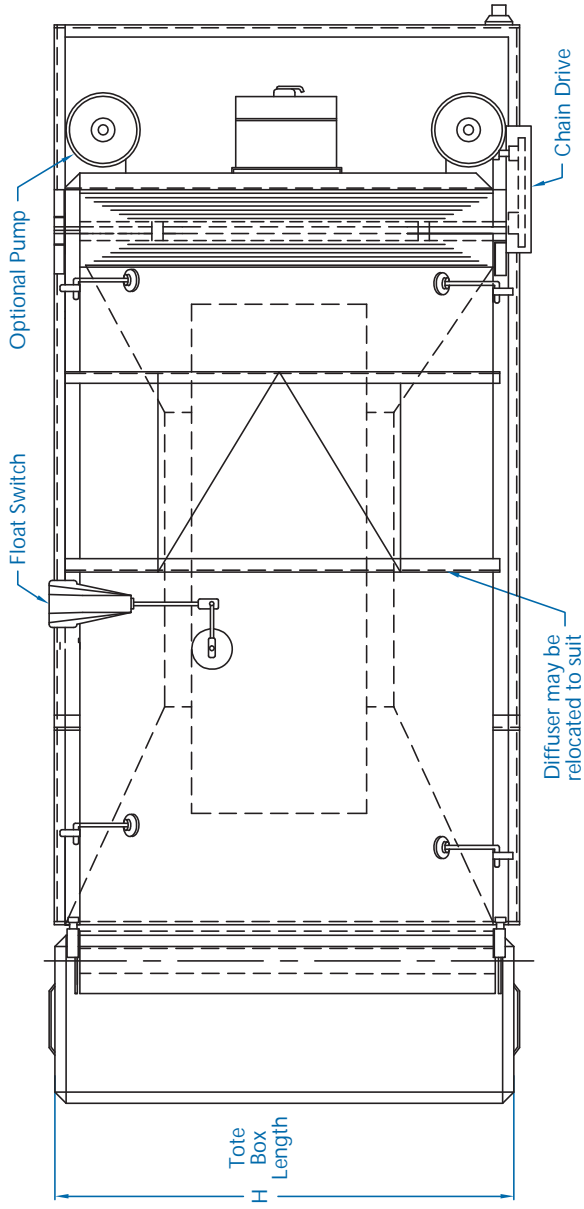
Carbon Steel Units

- Metalworking Coolants
- Hone Oils
- Quench Oils
- Cutting Oils
- Sludge Dewatering
- Paint Spray Booth Water
- Scrubber Discharge
- Floor Washing/Plant Cleanup

Stainless Steel Units

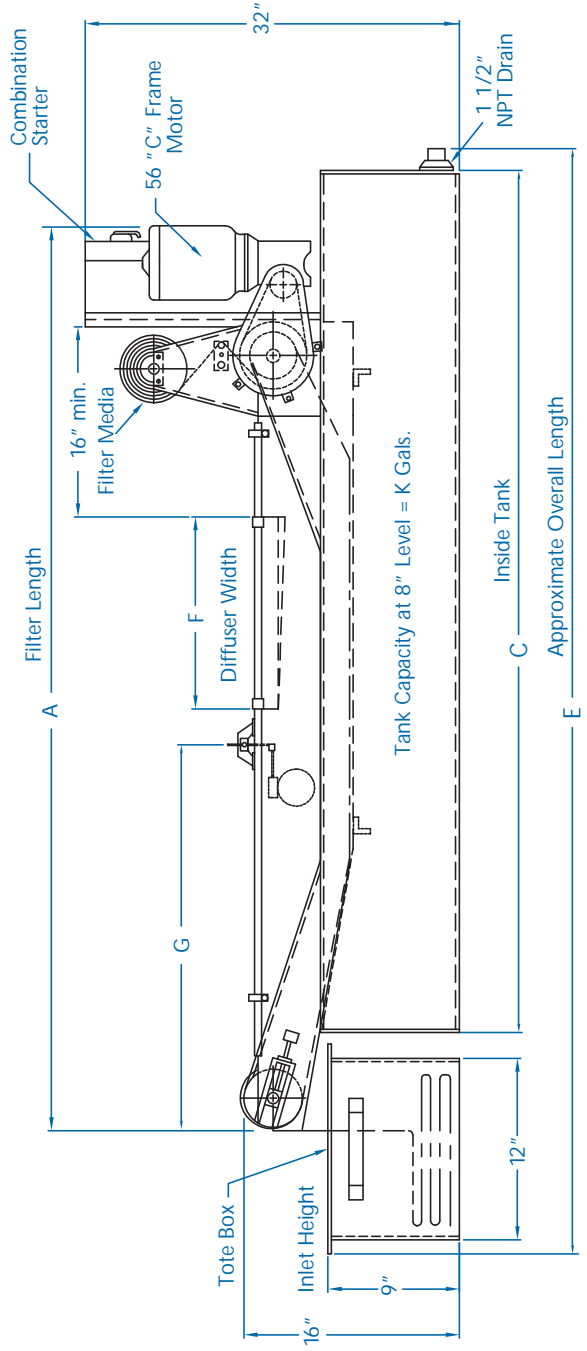
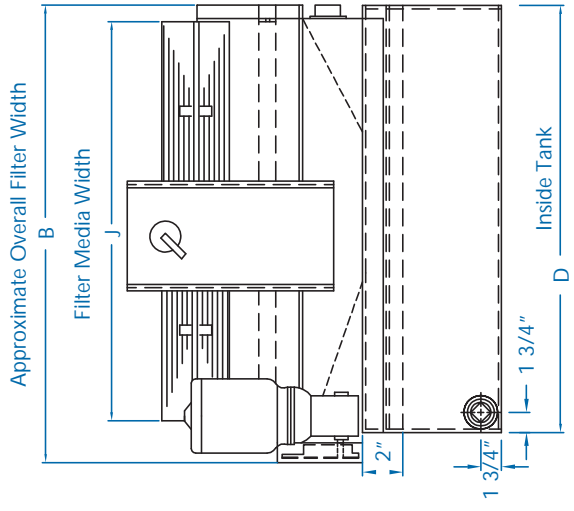
- Food Processing
- Greenhouses
- Fryer Fats
- De-ionized water
- Acidic/Alkaline Environments

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Model	A	B	C	D	E	F	G	H	J	K	DRY WT.
24 AC 24	48	31	44	30	59	6	14	26	24	45	450
30 AC 36	60	37	56	36	71	6	33	32	30	70	522
30 AC 48	72	37	68	36	83	6	33	32	30	85	577
30 AC 60	84	37	80	36	95	12	36	32	30	100	632
36 AC 60	84	43	80	42	95	18	36	38	36	116	692
36 AC 72	96	43	92	42	107	18	36	38	36	131	752
36 AC 84	108	43	104	42	119	18	36	38	36	151	812
48 AC 60	84	55	80	54	95	24	36	50	48	149	789
48 AC 72	96	55	92	54	107	24	36	50	48	172	856
48 AC 84	108	55	104	54	119	24	36	50	48	195	923
48 AC 96	120	55	116	54	131	24	36	50	48	213	980
48 AC 108	132	55	128	54	143	24	36	50	48	240	1047
48 AC 126	143	55	142	54	157	24	36	50	48	260	1140
48 AC 150	167	55	166	54	181	24	36	50	48	305	1264

All dimensions noted above are nominal and should be considered as an approximate size for evaluation purposes only.



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Clay Flocculation Systems

Waste management solutions provided by our Clay Flocculation Systems are available as manual or fully automated systems. Designed in conjunction with our Delpark Gravity Filters; they are individually tailored to meet your waste stream demands. As each application differs, we carefully analyze your process waste water to find the most practical and economical method of treating the effluent. Clay formulations are custom designed to target the specifics for optimal purification and processing of your waste water.

It is our goal to help you meet your environmental commitments in the most feasible and cost effective way.



Manual Clay Flocculation System

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Delpark Filter "G" Series Flow Rate Guide for typical applications

Filter Model	Filtration Area (sq.feet)	Flow Rate (gpm)	Filter Model	Filtration Area (sq.feet)	Flow Rate (gpm)
G24AC24	4	5-12	G48AC60	20	18-56
G30AC36	7.5	7-22	G48AC72	24	21-66
G30AC48	10	9-30	G48AC84	28	25-77
G30AC60	12.5	11-38	G48AC96	32	28-90
G36AC60	15	12-42	G48AC108	36	31-102
G36AC72	18	15-51	G48AC126	42	33-116
G36AC84	21	17-60	G48AC150	50	35-144

Other Filtration Systems Available

"D" Series Delpark Gravity Filters

Heavy Duty Gravity Filters

Tube-O-Matic – Innovative Weir Type Filtration

www.tube-o-matic.com

Filter-Matic – Vacuum Systems

www.filter-matic.com

Standard Filtration Systems designs are available for filtration up to 5,000 GPM.

For larger applications, please call to discuss other options.

Your **Delpark®** Distributor:

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Supplying Your Environmental Solutions

We look forward to serving your application requirements and thank you for your interest in our products.