

# ***BGF Series***

## ***Liquid Bag Filter Vessels***



### **Features & Specifications**

- All Welded Steel construction, ASTM SA-516 Gr. 70 sheet steel shell and heads
- 2 Part epoxy finish inside & out
- 150 psi pressure rating
- 1, 5, 10, 15, 25, 50, 75, 100 & 200 micron filter bags available in polyester, polypropylene or nylon
- Duplex piping consisting of schedule 80 PVC, schedule 40 galvanized steel, Cast iron flange fittings & cement lined ductile iron flange fittings
- 3/4" Drain port
- Sample/gage ports on filter inlet & outlet
- Viton o-ring seal on lid
- Vent port
- 25 Micron Oil Removal Bags available in polypropylene
- Standard duplex valves consist of PVC or brass ball valves, CI butterfly valves with CI disk and EPDM seat, gear operator 6" & larger
- 316 Stainless steel strainer basket with 9/64" perforations to be used alone as a coarse strainer or with filter bags
- Quick swing closure lid with eye nuts for easy opening
- Adjustable height legs on single bag units
- Duplex mounting with isolation valves allowing on line change-out of filters
- Fork tubes for easy lifting on duplex units

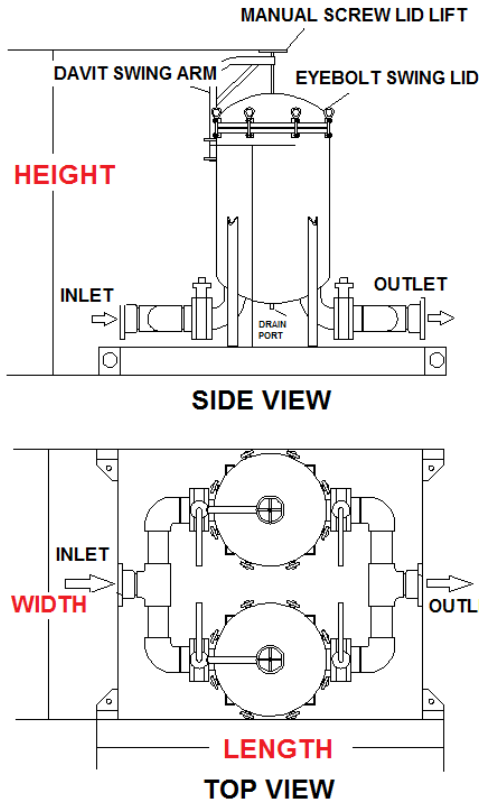
### **Applications**

- Remediation industry
- Industrial waste or process water
- Filtering suspended solids from groundwater, wastewater, process water or drinking water
- Protecting air strippers from fouling due to suspended solids
- Excavation dewatering
- Generally effective for suspended solids removal up to 10 ppm concentration
- Removing low level free phase or emulsified product using oleophilic filter bags
- Protecting liquid GAC, activated clay or resin beds from fouling by suspended solids

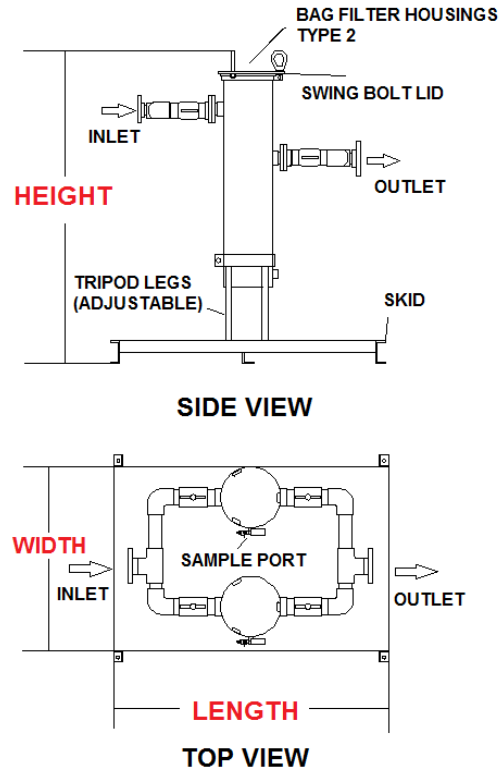
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Model Number	Number of #2 size baskets	Total Straining Filter Area Ft <sup>2</sup>	Inlet/Outlet Connection	Height In	Length In.	Width Single/Double In.	Empty weight, Single/Duplex, lbs	Operating weight, Single/Duplex, lbs
88-30	1	4.4	2" FPT (3", 4" opt. 2" 125lb flng standard on duplex)	53	30	36/	140 / 450	210/590
1818	2	8.8	4" 150 lb flng (2",3" opt.)	65	48	65/	435 / 1,720	770/3,280
2224	3	13.2	4" 150 lb flng (2",3" opt.)	74.5	52	72/	555 / 1,960	1,150/3,140
2424	4	17.6	4" 150 lb flng (2",3" opt.)	76	55	72/	555 / 1,960	1,150/3,200
3030	6	26.4	6" 150 lb flng (3",4" opt.)	76.4	65	82/	705 / 2,560	1,650/4,400
3636	8	35.2	6" 150 lb flng (4", 8" opt)	82.5	70	84/	1,010 / 3,120	2,400/5,900
4242	12	52.8	8" 150 lb flng (6", 10" opt)	91	89	96/	2,070 / 5,740	4,000/9,600
4848	17	74.8	10" 150 lb flng (8", 12" opt)	95.7	104	114/	2,350 / 6,600	4,800/11,400

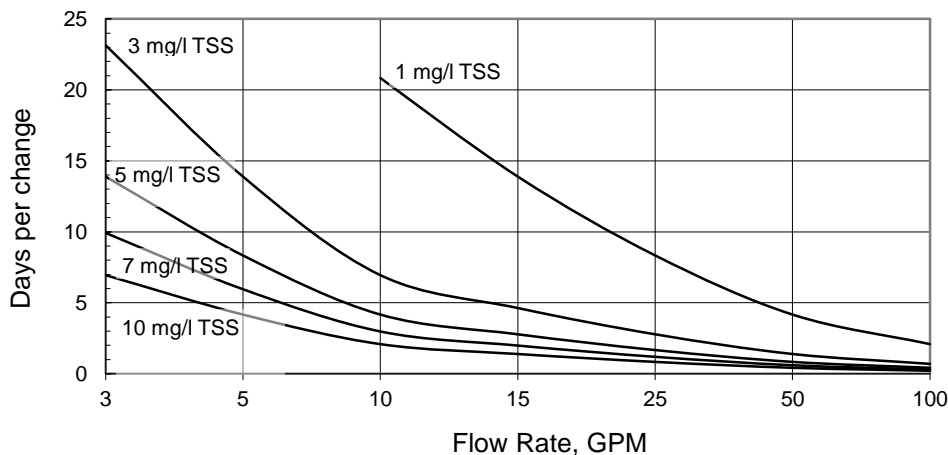
### Multi-Round Liquid Bag Housing



### Single Liquid Bag Housing



(1) Size # 2 Filter Bag approximate change frequency  
assumes 90% of solids are filterable 25 micron or larger using a 25 micron polyester filter bag, 4.4ft<sup>2</sup> of surface area



### Options

- 304 or 316 Stainless steel construction
- ASME designed & stamped
- NSF standard 61 certified coatings
- Pressure relief assemblies, PRV or rupture disk
- Polypropylene filter housing for corrosive fluids
- Heat trace or immersion heaters for classified or non-classified electrical areas for freeze protection
- R-5 insulation with jacket, (steel or aluminum jacket)
- Various piping configurations and materials
- Pressure & differential pressure switches, transmitters and gages of various types
- Flow, pressure, level & temperature gages or transmitters

# Additional Photos

