

FAST D-Series Reference Data - Standard Models - <b>English Units (inches, lb, hp, gpd)</b>									
Scienco/FAST, Bio-Microbics, Inc. www.sciencofast.com									
Model Number - all units other than MEPC	D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9
Model Number-MARPOL-MEPC units only	D-1-M	D-2-M	D-3-M	D-4-M	D-5-M	D-6-M	D-7VM	D-8-M	D-9-M
<b>Rated Capacity Persons</b>									
blackwater only	39	70	105	131	157	263	383	514	771
above plus showers and hand sinks	30	53	80	99	119	199	290	389	584
above plus dishwashing and laundry	16	28	42	53	63	106	154	207	311
above plus ground food waste	11	20	30	37	44	74	108	145	218
Rated Capacity gpd	1,100	2,100	3,100	3,900	4,700	7,900	11,600	15,500	23,300
Recommended max gpd	780	1,400	2,100	2,600	3,100	5,300	7,700	10,300	15,500
Number of Media Tanks	1	1	1	1	1	1	1	1	2
<b>Overall Dimensions - in</b>									
<b>Media Tank</b>									
Length including blower	67	83	107	107	107	160	184	232	184
Width	46	58	58	70	82	82	82	82	82
Height	79	80	81	81	81	82	94	94	94
<b>Wet Well Assembly</b>									
Length	44	44	61	61	83	83	103	103	88
Width	36	37	38	39	57	58	59	60	77
Height	63	63	67	67	66	66	83	83	83
<b>Complete Unit on Oilfield Skid</b>									
Length	108	120	144	144	161	209			
Width	46	58	58	70	82	82			
Height	85	86	87	87	87	88			
<b>Recommended Clearances for Access</b>									
Clear height required above deck	102	102	102	102	102	102	114	114	114
Unit on oilfield skid	108	108	108	108	108	108	n/a	n/a	n/a
Between tank and bulkhead	6	6	6	6	6	6	6	6	6
For piping and valves	30	30	30	30	30	30	30	30	30
<b>Estimated Weights</b>									
Shipping	3,000	3,800	5,000	5,700	6,600	8,900	12,000	14,000	21,000
Operating	6,700	9,600	14,000	16,000	20,000	30,000	44,000	55,000	83,000
Add for Oilfield Skid	500	600	600	700	800	1,000			
<b>Pipe Sizes</b>									
Sewage Inlet	4	4	6	6	6	6	8	8	8
Discharge Pump	1 1/4	1 1/4	1 1/4	2	2	2	2	2	2
Vent	4	4	6	6	6	8	8	10	10
<b>Connected Motor Power</b>									
Discharge Pump	1	1	1	2	2	2	2	2	3
Regenerative Turbine Blower(s)	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	5	7 1/2	7 1/2	15
Pump TDH Available at the unit 60Hz - ft	44	44	44	43	59	57	54	49	39
<b>Notes</b>									
1. Rated capacities shown are for standard marine units.									
2. For EPA secondary treatment, EPA VGP 2013 or EPA VIDA reduce rated capacities in number of persons by 15%.									
3. Rated capacities shown are for persons working and living aboard.									
4. For persons working but not living aboard, count each as one-half person.									
5. Standard units can be shipped in standard and high cube ISO containers.									
6. Reference data only, not for construction, subject to change without notice.									

FAST D-Series Reference Data - Standard Models - <b>Metric Units (mm, kg, kw, m3/d)</b>									
Scienco/FAST, Bio-Microbics, Inc. www.sciencofast.com									
Model Number - all units other than MEPC	D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9
Model Number-MARPOL-MEPC units only	D-1-M	D-2-M	D-3-M	D-4-M	D-5-M	D-6-M	D-7-M	D-8-M	D-9-M
<b>Rated Capacity Persons</b>									
blackwater only	39	70	105	131	157	263	383	514	771
above plus showers and hand sinks above	30	53	80	99	119	199	290	389	584
plus dishwashing and laundry above plus	16	28	42	53	63	106	154	207	311
ground food waste	11	20	30	37	44	74	108	145	218
Rated Capacity m3/d	4.4	8	12	15	18	30	44	58	88
Recommended max m3/d	2.9	5.3	8	10	12	20	29	39	59
Number of Media Tanks	1	1	1	1	1	1	1	1	2
<b>Overall Dimensions</b>									
<b>Media Tank</b>									
Length including blower	1,725	2,125	2,725	2,725	2,725	4,075	4,675	5,900	4,675
Width	1,175	1,475	1,475	1,800	2,100	2,100	2,100	2,100	2,100
Height	2,025	2,050	2,075	2,075	2,075	2,100	2,400	2,400	2,400
<b>Wet Well Assembly</b>									
Length	1,125	1,125	1,550	1,550	2,125	2,125	2,625	2,625	2,250
Width	925	950	975	1,000	1,450	1,475	1,500	1,525	1,975
Height	1,625	1,625	1,725	1,725	1,700	1,700	2,125	2,125	2,125
<b>Complete Unit on Oilfield Skid</b>									
Length	2,750	3,050	3,675	3,675	4,100	5,325			
Width	1,175	1,475	1,475	1,800	2,100	2,100			
Height	2,175	2,200	2,225	2,225	2,225	2,250			
<b>Recommended Clearances for Access</b>									
Clear height required above deck	2,600	2,600	2,600	2,600	2,600	2,600			
Unit on oilfield skid	2,750	2,750	2,750	2,750	2,750	2,750			
Between tank and bulkhead	175	175	175	175	175	175			
For piping and valves	775	775	775	775	775	775			
<b>Estimated Weights</b>									
Shipping	1,400	1,750	2,300	2,600	3,050	4,100	5,500	6,500	10,000
Operating	3,100	4,400	6,500	7,500	9,500	14,000	20,000	25,500	38,500
Add for Oilfield Skid	200	250	300	300	350	450			
<b>Pipe Sizes</b>									
Sewage Inlet	100	100	150	150	150	150	200	200	200
Discharge Pump	31	31	31	50	50	50	50	50	50
Vent	100	100	150	150	150	200	200	250	250
<b>Connected Motor Power</b>									
Discharge Pump	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	2.3
Regenerative Turbine Blower(s)	1.9	1.9	1.9	1.9	1.9	3.8	5.6	5.6	11.3
Pump TDH Available at the unit 50Hz - m	9	9	9	12	12	11	10	9	9
<b>Notes</b>									
1. Rated capacities shown are for standard marine units.									
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