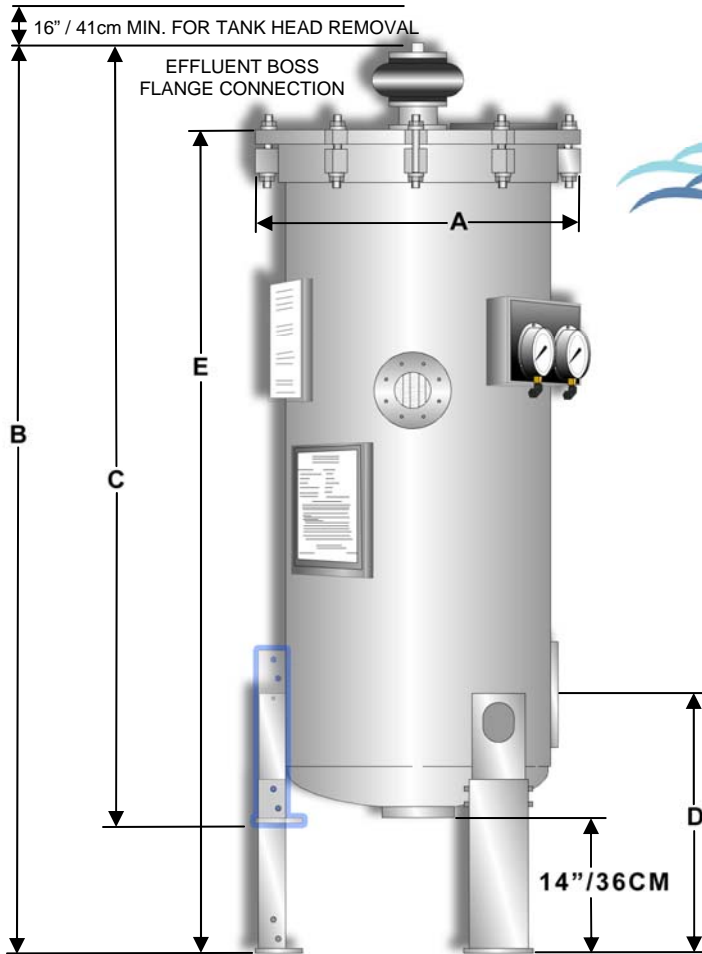


Defender™ Automatic Regenerative Media Filters

Filter Model Sizing Information, Dimensions & Capacities



- Tabulated data represents standard non-ASME construction.
- Consult Neptune~Benson for verification on ASME certified and custom fabricated vessels.
- All systems have collapsible legs for shipping purposes.
- Head and shell material to be 1/4" thick carbon steel.
- Tanks to be lined with Flexsol 3000.

Model Number	A		B		C		D		E		Upper Head Weight		Head & Tubes Weight		Tank Ship Weight		Operating Weight	
	in	cm	in	cm	in	cm	in	cm	in	cm	lb	kg	lb	kg	lb	kg	lb	kg
SP-24-42-327	30 3/4	78.5	90	229	76.5*	194.5*	27.5	70	81	206	310	141	584	265	1450	658	2515	1141
SP-27-48-487	33 1/4	84.5	95	241.5	81.5*	207.5*	27.5	70	86	218.5	350	159	660	299	1650	748	2970	1347
SP-33-48-732	39 1/4	100	102.5	260.5	89*	226.5*	31.5	80	93.5	237.5	475	216	790	358	1800	817	3880	1760
SP-41-48-1038	47 3/4	121.5	107	272	93.5*	237.5*	35.5	90.5	97.5	248	750	340	1265	574	2350	1066	6019	2730
SP-49-48-1548	54 3/4	139.5	111	282	96	244	36	91.5	101.5	258	1085	492	1920	871	3320	1506	8437	3827
SP-55-48-2076	61 3/4	157	116	295	96	244	39	99	105.5	268	1385	628	2300	1043	3850	1746	10847	4920

*Add 6"/15.5cm to "C" dimension to calculate shipping height.

Model Number	Filter Area		Maximum Flow Rate		Perlite		Tank Conn. inches (imperial)	Tank Conn. DN	Drain Conn. inches (imperial)	Drain Conn. DN	Tank Volume		Tank Foot Print	
	ft²	m²	gpm*	m³/hr**	lbs	kg					gallons	m³	ft²	m²
SP-24-42-327	230	21.36	384	87.21	18	8.16	4	100	3	80	128	.484	24	2.23
SP-27-48-487	393	36.50	656	148.99	30	13.61	6	150	3	80	159	.602	27	2.5
SP-33-48-732	591	54.90	987	224.17	45	20.41	8	200	3	80	250	.946	33	3.06
SP-41-48-1038	838	77.85	1399	317.74	64	29.03	8	200	4	100	441	1.669	44	4.09
SP-49-48-1548	1250	116.12	2088	474.23	96	43.54	10	250	4	100	615	2.328	58	5.4
SP-55-48-2076	1677	155.79	2800	635.94	128	58.06	12	300	4	100	841	3.184	72	6.7

All dimensions are rounded up to the nearest 1/4 in (.5/cm.)

Maximum Flow Rate *Based on a 1.67 gpm/ft². **Based on 4.079 m³/h / m²

Nozzle size varies based on velocity not to exceed 10 fps or 3.048 mps

Listed tank footprint areas take into account rotation of the tank cover for accessing internals



