

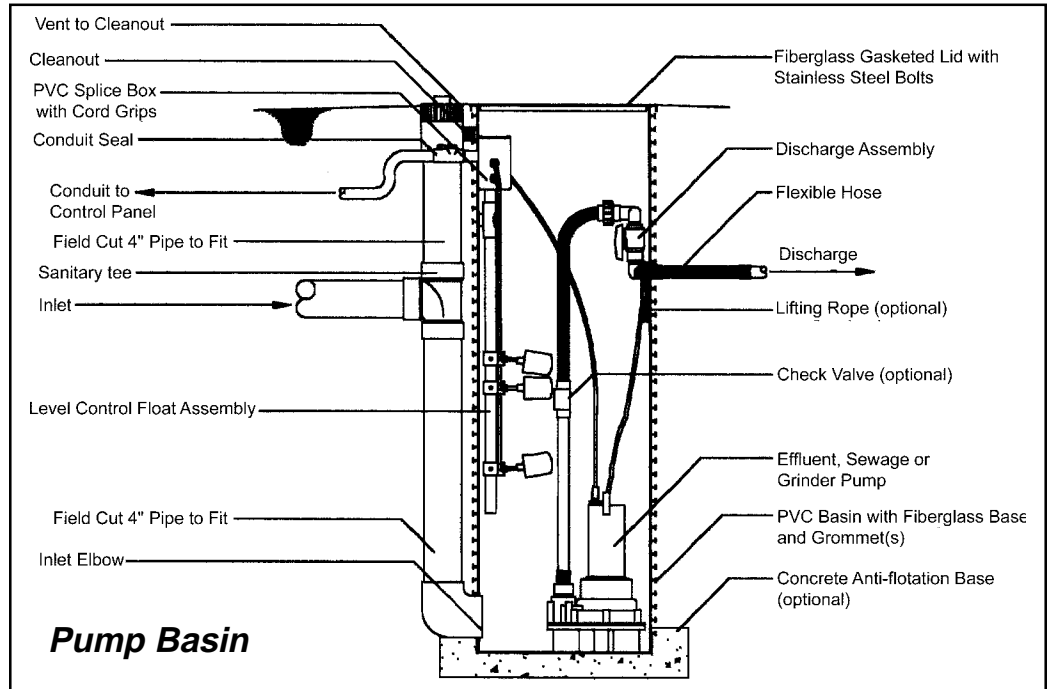
OSI Pump Basins

Orenco's Pump Basins are used as secondary pump chambers and lift stations in septic systems. Constructed of PVC pipe with fiberglass base and lid. A 4" inlet elbow and holes to accommodate splice boxes and discharge piping are located and sized for each application. Available in 18", 24" and 30" diameters in standard 6" length increments. Custom lengths available in 1" increments.

Liquid Capacities

24" Dia. — 1.88 Gal. /
Inch

30" Dia. — 2.96 Gal. /
Inch



Septic Tank Draw Down / Gallons per Inch

Tank Width	Tank Length												
	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
5	12.46	14.02	15.58	17.13	18.69	20.25	21.81	23.37	24.92	26.48	28.04	29.60	31.15
5.25	13.08	14.72	16.36	18.99	19.63	21.26	22.90	24.53	26.17	27.81	29.44	31.08	32.71
5.5	13.71	15.42	17.13	18.85	20.56	22.28	23.99	25.70	27.42	29.13	30.84	32.56	34.27
5.75	14.33	16.12	18.91	19.71	21.50	23.29	25.08	26.87	28.66	30.45	32.24	34.04	35.83
6	14.95	16.82	18.69	20.56	22.43	24.30	26.17	28.04	29.91	31.78	33.65	35.52	37.39
6.25	15.58	17.52	19.47	21.42	23.37	25.31	27.26	29.21	31.15	33.10	35.05	37.00	38.94
6.5	16.20	18.23	20.25	22.28	24.30	26.33	28.35	30.38	32.40	34.43	36.45	38.48	40.50
6.75	16.82	18.93	21.03	23.13	25.23	27.34	29.44	31.54	33.65	35.75	37.85	39.96	42.06
7	17.45	19.63	21.81	23.99	26.17	28.35	30.53	32.71	34.89	37.07	39.25	41.44	43.62
7.25	18.07	20.33	22.59	24.85	27.10	29.36	31.62	33.88	36.14	38.40	40.66	42.91	45.17
7.5	18.69	21.03	23.37	25.70	28.04	30.38	32.71	35.05	37.39	39.72	42.05	44.39	46.73
7.75	19.32	21.73	24.14	26.56	28.97	31.39	33.80	36.22	38.63	41.05	43.46	45.87	48.29
8	19.94	22.43	24.92	27.42	29.91	32.40	34.89	37.39	39.88	42.37	44.86	47.35	49.85

Inside Dimensions

Flow in GPM for Various Size Orifices

Orifice Diameter	2' Head	3' Head	4' Head	5' Head	6' Head	7' Head	8' Head
1/8"	0.273	.335	0.386	0.432	0.473	0.511	0.547
5/32"	0.427	0.523	0.604	0.675	0.740	0.799	0.854
3/16"	0.615	0.753	0.870	0.963	1.066	1.151	1.231
7/32"	0.837	1.026	1.184	1.324	1.451	1.567	1.675
1/4"	1.094	1.340	1.548	1.730	1.895	2.047	2.188