

POTABLE BLADDER TANK Sizing Procedures

Information Required:

1. Drawdown Required (Amount of Water Bladder Tank must Supply). Gallons _____
2. Minimum Pressure (Pump On Pressure) psig _____
3. Maximum Pressure (Pump Shut off Pressure) psig _____

Tank Selection:

4. Enter Required Drawdown (Above-Line1) Gallons _____
5. Using the Following Drawdown Factor Table, Enter Drawdown.
6. Divide Line #4 By Line #5 to get Tank Volume Required. MRS Tank _____

T
A
B
L
E

1

OPERATING PRESSURE AT TANK (psig)	DRAWDOWN FACTORS MINIMUM OPERATING PRESSURE AT TANK (psig)											
	60	65	70	75	80	85	90	95	100	105	110	
65	.062	—	—	—	—	—	—	—	—	—	—	—
70	.118	.059	—	—	—	—	—	—	—	—	—	—
75	.167	.111	.056	—	—	—	—	—	—	—	—	—
80	.211	.158	.106	.053	—	—	—	—	—	—	—	—
85	.251	.201	.151	.101	.050	—	—	—	—	—	—	—
90	.287	.239	.191	.143	.096	.048	—	—	—	—	—	—
95	.319	.273	.228	.182	.137	.091	.045	—	—	—	—	—
100	.347	.305	.261	.218	.174	.131	.087	.043	—	—	—	—
105	.376	.334	.292	.250	.208	.167	.125	.083	.041	—	—	—
110	.401	.361	.321	.281	.241	.200	.160	.120	.080	.040	—	—
115	.424	.386	.347	.309	.270	.232	.193	.155	.116	.077	.039	—
120	.446	.408	.371	.334	.297	.260	.223	.186	.149	.111	.074	—
125	.465	.429	.394	.358	.322	.286	.250	.215	.179	.143	.107	—
130	.484	.450	.415	.381	.346	.312	.277	.243	.208	.173	.138	—
135	.501	.468	.439	.401	.367	.334	.301	.267	.234	.200	.166	.132
140	.517	.485	.453	.420	.388	.356	.324	.291	.259	.226	.194	.162
145	.532	.501	.470	.438	.407	.376	.344	.313	.282	.250	.219	.188
150	.547	.517	.486	.456	.426	.396	.365	.335	.305	.273	.243	.213
155	.559	.530	.500	.471	.441	.412	.382	.353	.323	.295	.265	.235
160	.573	.544	.515	.487	.458	.430	.401	.372	.344	.315	.286	.257
165	.585	.557	.529	.501	.473	.446	.418	.390	.362	.334	.306	.278

JOB NAME _____
 LOCATION _____

 CONTRACTOR _____
 CONTRACTOR P.O. NO. _____

ITEMS	QUANTITY
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

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