

# 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	—
140	.517	.485	.453	.420	.388	.356	.324	.291	.259	.226	.194	—
145	.532	.501	.470	.438	.407	.376	.344	.313	.282	.250	.219	—
150	.547	.517	.486	.456	.426	.396	.365	.335	.305	.273	.243	—
155	.559	.530	.500	.471	.441	.412	.382	.353	.323	.295	.265	—
160	.573	.544	.515	.487	.458	.430	.401	.372	.344	.315	.286	—
165	.585	.557	.529	.501	.473	.446	.418	.390	.362	.334	.306	—

JOB NAME \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_  
 CONTRACTOR P.O. NO. \_\_\_\_\_

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



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