



EXPANSION TANK DRAWDOWN

Pump Preset Pressure		Aircell Preset Pressure																		
psi		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110
	bar	1,37	1,72	2,06	2,41	2,75	3,10	3,44	3,79	4,13	4,48	4,82	5,17	5,51	5,86	6,20	6,55	6,89	7,23	7,52
30	2,06	21																		
35	2,41	28	19																	
40	2,75	34	26	17																
45	3,10	39	32	24	16															
50	3,44	44	37	30	22	15														
55	3,79	47	41	34	28	21	14													
60	4,13	50	44	38	32	26	19	13												
65	4,48	53	48	42	36	30	24	18	12											
70	4,82	56	50	45	40	34	29	23	17	11										
75	5,17		53	48	43	38	32	27	22	16	11									
80	5,51			50	46	41	36	31	26	21	15	10								
85	5,86				48	43	39	34	29	24	20	15	10							
90	6,20					46	42	37	32	28	23	19	14	9						
95	6,55						44	40	35	31	27	22	18	13	9					
100	6,89							42	38	34	30	26	21	17	13	9				
105	7,23								41	37	33	29	25	20	16	13	8			
110	7,52									39	35	31	27	24	20	16	12	8		
115	7,92										38	34	30	26	23	19	15	11	8	
120	8,27											36	33	29	25	22	18	15	11	7
125	8,61												35	32	28	25	21	18	14	11

In keeping with current industry standards, drawdown factors are based on Boyle's law. Actual drawdown will vary depending upon system variables including the accuracy and operation of the pressure switch and gauge, actual precharge pressure and operating temperature of the system.

Drawdown is the amount of water that can be removed from a tank, when it is full, before the tank pressure drops and the pump is turned on to refill the tank. A larger tank gives more drawdown which means that more water is available before the pump is needed.