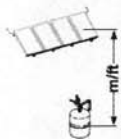


- d. Verify fluid is circulating by reading the flowmeter. After a few minutes operate the air bleeder valve on the air separator and recharge the system to the correct value listed in the manual if required
- e. Change the pump speed setting to achieve the correct flow setting. This will most likely be the medium (#2) setting for 2, 3, or 4 collector arrays
- f. Exit the "hand" menu, thus putting all the relays back to automatic
- g. If using the energy yield calculator, set parameter 20 to "1" and enter flow data and glycol parameters
- h. Under the programming menu, ensure the maximum tank temperature is set to 140 °F
- i. Verify all settings in controller are correct
- j. Check system pressure and ensure safety cap valve is OPEN

## Figure #1 – Roof Height vs. Pressure settings

Difference:  
Collector field...expansion tank\*



primary pressure:  
expansion tank



operating pressure:  
solar system  
(at 20°C/68°F)  
(+ 0.2/2.9...0.5/7.3bar/psi)



ft	psi	psi
-15	14.5	19
0	14.5	19
2	15.4	19.9
4	16.3	20.8
6	17.2	21.6
8	18.1	22.5
10	19.0	23.4
12	19.9	24.3
14	20.8	25.2
16	21.7	26.0
18	22.6	26.9
20	23.5	27.8
22	24.4	28.7
24	25.3	29.6
26	26.2	30.4
28	27.1	31.3
30	28.0	32.2
32	28.9	33.1
34	29.8	34.0
36	30.7	34.8
38	31.6	35.7
40	32.5	36.6
42	33.4	37.5
44	34.3	38.4
46	35.2	39.2
48	36.1	40.1
50	37.0	41.0