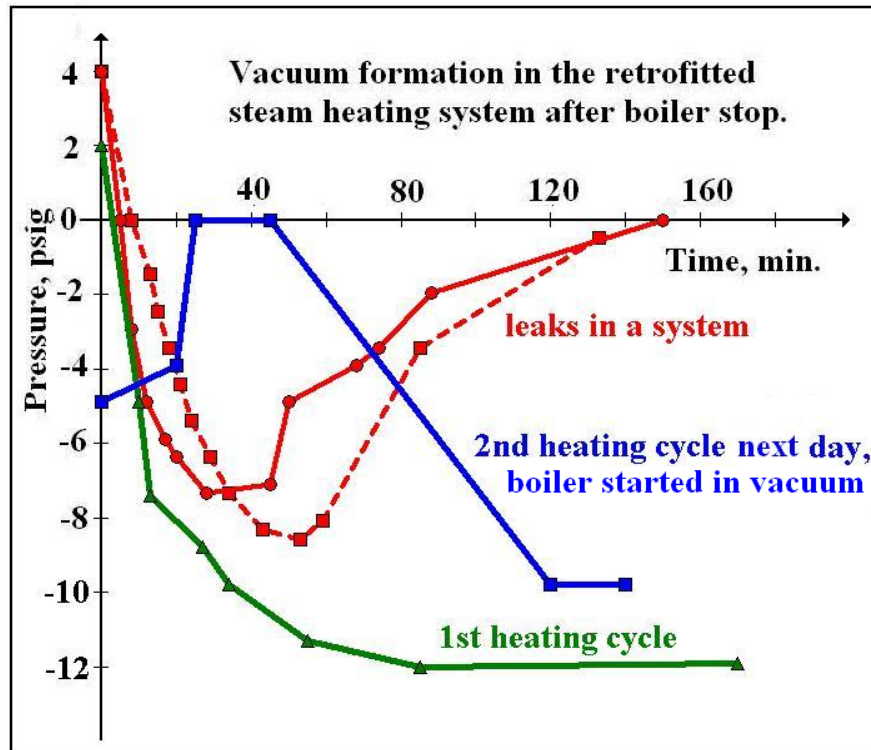


Results of the Pilot Test (Newton, MA)



- 24"Hg (-11.9 psig) vacuum created
- leak proof system can create up to ~ 27-28"Hg (-13.5 psig) vacuum and keep it indefinitely

Saturated steam table [10.1]			
Temperature		Saturation Pressure	
(oC)	(oF)	(psia)	(inHg)
30	86	0.61	1.24
40	104	1.06	2.15
50	122	1.8	3.6
90	194	10.1	20.5
100	212	14.6	29.6

- system can be purged at any time from leaked in air
- Past three months in operation, 22, 19 and 17" Hg vacuum was retained for 165, 260 and 330 minutes, correspondingly, after boiler shut off

Therms usage by the steam system before and after conversion into vacuum system.

