



# Akron Baptist Temple Akron, Ohio

## Savastat comparative trial



Akron Baptist Temple, Akron, Ohio  
Heating boilers: York Shipton 2 stage  
Controls: Honeywell/Johnson



### Fuel consumption reduced by 17%

Akron Baptist Temple, Akron, Ohio is a 259,027 square ft. facility with 10,108 MCF annual usage. The property was constructed in 1948 with major addition and renovation in 1984 providing a seating capacity of 3500.

The heating boiler was fitted with a Savastat 500C control with integral hours run meter. Comparisons of daily consumption were measured with Savastat ON and OFF line. **During the trial fuel consumption was reduced by 17.02%.** With annual fuel bills of \$50,000 payback will be assured within the first twelve months.

Apart from this financial saving, the emission of CO<sub>2</sub> and other gases into the atmosphere will also be reduced by a similar percentage.

### Degree Day adjusted data

#### Akron Baptist Temple

Date	Min Temp	Max Temp	Ave Temp	Base	Adj	Adj. consumption			
						Bypass	Save	Bypass	Save
18-Mar	48	66	57	47.32	1.2046		1372.00		1652.66
19-Mar	44	62	53	47.32	1.1200	1787.00		2001.50	
20-Mar	43	57	50	47.32	1.0566		1737.00		1835.38
21-Mar	39	57	48	47.32	1.0144	2211.00		2242.77	
22-Mar	35	46	41	47.32	0.8664		2353.00		2038.74
23-Mar	31	47	39	47.32	0.8242	2392.00		1971.43	
24-Mar	34	67	50.5	47.32	1.0672		1235.00		1317.99
25-Mar	45	70	57.5	47.32	1.2151	1708.00		2075.44	
26-Mar	40	54	47	47.32	0.9932		1991.00		1977.54
27-Mar	39	62	50.5	47.32	1.0672	1110.00		1184.59	
28-Mar	50	75	62.5	47.32	1.3208		819.00		1081.73
29-Mar	33	65	49	47.32	1.0355	2482.00		2570.12	
30-Mar	23	33	28	47.32	0.5917		2244.00		1327.81
31-Mar	21	38	29.5	47.32	0.6234	2390.00		1489.96	
								13535.82	11231.85
Ave							Ave	1691.98	1403.98
							Saving		17.02%

