

PERCENTAGE OF FLASH STEAM - CHART 'F'

PRESSURE FROM

	600	500	450	400	350	300	250	200	175	150	125	100	75	50	25		
FLASH TO	500	2.8															
	400	5.8	3.1	1.3			% Flash: Heat of liquid BTUs/lb. At Higher Pressure (-) Heat of liquid BTUs/lb. At Lower Pressure Latent heat of evaporation BTUs/lb. At Lower Pressure										
	350	7.5	4.8	3.0	1.8												
	300	9.2	6.6	4.8	3.6	1.9											
	250	11.1	8.5	6.8	5.6	3.9	2.1										
	225	12.2	9.7	8.0	6.8	5.1	3.3	1.2									
	200	13.3	10.8	9.1	7.9	6.2	4.4	2.4									
	175	14.4	11.9	10.3	9.1	7.4	5.7	3.7	1.3								
	150	15.7	13.2	11.6	10.4	8.8	7.0	5.0	2.7	1.5							
	125	17.1	14.6	13.0	11.9	10.3	8.5	6.6	4.3	3.0	1.6						
	100	18.6	16.2	14.6	13.5	11.9	10.2	8.3	6.0	4.8	3.4	1.8					
	75	20.3	18	16.4	15.3	13.7	12.1	10.2	7.9	6.7	5.4	3.8	2.0				
	50	22.6	20.3	18.8	17.7	16.1	14.5	12.6	10.4	9.2	7.9	6.3	4.6	2.6			
	25	25.4	23.1	21.6	20.6	19.1	17.5	15.6	13.5	12.3	11.0	9.5	7.8	5.9	3.3		
	15	26.9	24.7	23.2	22.1	20.6	19.0	17.2	15.1	14.0	12.7	11.2	9.5	7.6	5.1	1.8	
	10	27.8	25.6	24.2	23.1	21.6	20.1	18.3	16.2	14.9	13.8	12.2	10.6	8.7	6.2	2.9	
	5	28.9	26.7	25.2	24.2	22.7	21.1	19.4	17.3	16.1	14.9	13.4	11.8	9.9	7.4	4.2	
0	30.2	28	26.6	25.6	24.1	22.6	20.8	18.8	17.6	16.4	14.9	13.3	11.4	9.0	5.8		

TYPICAL BTU VALUES OF FUEL - CHART 'G'

ASTM Rank Solids	BTU Values per Pound
Anthracite Class I.....	11,230
Bituminous Class II Group 1.....	14,100
Bituminous Class II Group 3.....	13,080
Sub-Bituminous Class III Group 1.....	10,810
Sub-Bituminous Class III Group 2.....	9,670-1

Liquids	BTU Values per Gallon
Fuel Oil No. 1.....	138,870
Fuel Oil No. 2.....	143,390
Fuel Oil No. 4.....	144,130
Fuel Oil No. 5.....	142,720
Fuel Oil No. 6.....	137,275

Gases	BTU Values per Cubic Foot
Natural Gasses.....	935-1132*
Producers Gas.....	163
Illuminating Gas.....	534
Mixed (Coke oven and Water gas).....	545

*Values for natural gas from "Industrial Furnaces,"
Volume II, by W. Trinks, page 2.