

TABLE I

Summary of Measurements of Fountain Solution Consumption Rate

Entry Num- ber	Press		Type of Dampening System	Type of Paper	Press Speed		Fountain Solution Percent Temperature		Size of Form	Fountain Solution Consumption Rate	
	Type	Size			(iph)	(fpm)	Alcohol	("F.)	(inches)	(gal/ hr/pan)	(microns)
1	Sheetfed	20	Epic Delta	Coated	5,700	176	25	65	20 × 14	0.124	0.29
2		40	Rolandmatic	Coated	6,200	301	25	60-66	36 × 24	0.6-0.83	0.45-0.62
3		40	Spray, Weco	Coated	6,700	310	28	61	40 × 28	0.95	0.62
4		49	Dahlgren	Coated	5,000	350	28	?	48 × 36	0.5	0.26
5		77	Dahlgren	Coated	6,000	550	28	60	61½ × 50½	2.15	0.41
6		77	Dahlgren	Coated	6,000	550	15	40	61½ × 50½	1.55	0.30
7		77	Dahlgren	Coated	6,000	550	28	40	61½ × 50½	1.2	0.23
8	Heatset Web	26	Duotrol	Coated	12,600	310	25	65-70	17½ × 17½	0.35	0.35
9		30	Dahlgren	Coated	40,000	1,200	25	?	28½ × 21	1.35	0.31
10		38	Ductor	Coated	12,000	376	Zero	Ambient	38 × 22 9/16	0.54-0.84	0.31-0.48
11		38	Ductor	Coated	15,000	470	Zero	Ambient	38 × 22 9/16	0.68-0.9	0.31-0.41
12		38	Ductor	Coated	16,000	501	Zero	Ambient	38 × 22 9/16	0.72-1.12	0.31-0.48
13		38	Duotrol	Coated	41,200	1,302	25		35 × 22½	1.94	0.32
14		38	Duotrol	Coated	21,000	664	25		35 × 22½	1.28	0.41
15	Non- Heatset Web	38	Duotrol	Coated	28,400	900	28	55	35 3/16 × 22½	1.65-1.75	0.39-0.42
16		38	Brush	Coated	34,000	1,074	Zero	?	33 × 22½	1.85-2.0	0.37-0.40
17		38	Brush	Coated	44,000	1,393	Zero	Ambient	35 × 22 13/16	2.81	0.43
18		35	Continuous Feed-Goss	Uncoated	5,000	157	Zero	Ambient	30 × 22 9/16	0.16	0.24
19		35	Continuous Feed-Goss	Uncoated	36,000	1,128	Zero	78	29 × 2 11/16	1.26-1.36	0.26-0.28
20		60	Flapper-TKS	Uncoated	16,000	506	Zero	Ambient	60 × 22½	1.15	0.31
21		60	Flapper-TKS	Uncoated	40,000	1,264	Zero	Ambient	60 × 22½	3.29	0.35
22		68	Brush	Uncoated	40-42,000	1,264-1,327	Zero	Ambient	60 × 22½	4.3	0.39-0.41
23		68	Spray, Smith	Uncoated	50,000	1,580	Zero	Ambient	55 × 21½	4.8	0.36
24		68	Brush	Uncoated	60,000	1,896	Zero	Ambient	60 × 22½	6-6½	0.38-0.43