



**B & G CIRCUIT SETTER
CORRECTION FACTORS FOR
VISCOSITY AND SPECIFIC GRAVITY**

$$GPM_f = \frac{\phi}{\sqrt{s.g.}} GPM_s$$

$$f = \frac{\phi}{\sqrt{s.g.}}$$

$$GPM_f = f GPM_s$$

GPM_f—FLUID FLOW

GPM_s—FLOW THRU SETTER
@ MEASURED CONDITIONS

φ—VISCOSITY CORRECTION

s.g.—SPECIFIC GRAVITY (TO WATER)

		VISCOSITY CENTIPOISE									
		1	10	15	25	35	60	100	200	500	
		φ	1	.95	.90	.85	.80	.75	.70	.65	.60
S.G.	√S.G.	← f →									
.60	.775	1.29	1.23	1.16	1.10	1.03	0.97	0.90	0.84	0.78	
.65	.806	1.24	1.18	1.12	1.05	0.99	0.93	0.87	0.81	0.75	
.70	.837	1.20	1.14	1.08	1.02	0.96	0.90	0.84	0.78	0.72	
.75	.866	1.16	1.10	1.04	0.98	0.92	0.87	0.81	0.75	0.69	
.80	.894	1.12	1.06	1.01	0.95	0.89	0.84	0.78	0.73	0.67	
.85	.922	1.08	1.03	0.98	0.92	0.87	0.81	0.76	0.71	0.65	
.90	.949	1.05	1.00	0.95	0.90	0.84	0.79	0.74	0.69	0.63	
.95	.975	1.03	0.97	0.92	0.87	0.82	0.77	0.72	0.67	0.62	
1.00	1.00	1.00	0.95	0.90	0.85	0.80	0.75	0.70	0.65	0.60	
1.05	1.025	0.98	0.93	0.88	0.83	0.78	0.73	0.68	0.63	0.59	
1.10	1.049	0.95	0.91	0.86	0.81	0.76	0.72	0.67	0.62	0.57	
1.15	1.072	0.93	0.89	0.84	0.79	0.75	0.70	0.65	0.61	0.56	
1.20	1.096	0.91	0.87	0.82	0.78	0.73	0.68	0.64	0.59	0.54	
1.25	1.118	0.89	0.85	0.81	0.76	0.72	0.67	0.63	0.58	0.54	
1.30	1.140	0.88	0.84	0.79	0.75	0.70	0.66	0.62	0.57	0.53	
1.35	1.162	0.86	0.82	0.78	0.73	0.69	0.65	0.60	0.56	0.52	
1.40	1.183	0.85	0.80	0.76	0.72	0.68	0.63	0.59	0.55	0.51	



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