



PHONE 503-692-5460 FAX 503-692-1145 E-MAIL SALES@PLASTI-FAB.COM WEB WWW.PLASTI-FAB.COM
 9665 SW TUALATIN-SHERWOOD ROAD | PO BOX 100 | TUALATIN, OR 97062

H – FLUME FLOW RANGES AND EQUATIONS

Conversions		
CFS x 448.8 = GPM	MGD x 694.4 = GPM	MGD x 1.55 = CFS
GPM ÷ 448.8 = CFS	GPM ÷ 694.4 = MGD	CFS x 0.646 = MGD

H-Flume	Flow Range	Equations <i>H = Head in Feet Q = CFS</i>
4' HS	1 - 30 GPM	$Q = .000109 - .001305H^{.5} + .0732846H^{1.5} + .6645462H^{2.5}$
.5 H	1 - 115	$Q = .000112 - .00195tttH^{.5} + .167309H^{1.5} + 1.62001H^{2.5}$
.6 HS	1 - 80	$Q = -.000037 - .00043H^{.5} + .103114H^{1.5} + .65366H^{2.5}$
.8 HS	1 - 175	$Q = -.00025 + .000955H^{.5} + .128973H^{1.5} + .662782H^{2.5}$
.75 H	1 - 350	$Q = .000522 - .00602H^{.5} + .308582H^{1.5} + 1.615606H^{2.6}$
1.0 H	2 – 720	$Q = .000207 - .00523H^{.5} + .274445H^{1.4} + 1.691257H^{2.5}$
1.0 HS	1 – 305	$Q = -.000047 - .00087H^{.5} + .177919H^{1.5} + .643331H^{2.5}$
1.5 H	2 - 1,580	$Q = -.00014 - .00141H^{.5} + .474778H^{1.5} + 1.63086H^{2.5}$
2.0 H	5 - 3,640	$Q = .000787 - .01082H^{.5} + .745962H^{1.5} + 1.511207H^{2.6}$
2.5 H	5 - 6,780	$Q = .001499 - .01992H^{.4} + .727294H^{1.4} + 1.698273H^{2.5}$
3.0 H	5 - 11,175	$Q = -.00036 - .00228H^{.4} + .95356H^{1.5} + 1.614733H^{2.5}$
3.0 HL	5 - 20,950	$Q = .000373 - .00046H^{.5} + 1.877055H^{1.5} + 3.038756H^{2.5}$
4.5 H	5 – 28,675	$Q = .000752 - .00261H^{.1} + 1.419935H^{1.5} + 1.615803H^{2.5}$
4.0 HL	10 – 38,550	$Q = -.00422 + .014891H^{.5} + 2.47817H^{1.5} + 3.046828H^{2.5}$

Please consult your local representative or contact Plasti-Fab, Inc., PO Box 100, Tualatin, Oregon, 97062.
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