



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

TRAPEZOIDAL FLUME GENERAL FLOW RANGE

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

Trapezoidal Flumes	Flow Range – GPM	(H = Head in Feet) Equation: Q** = CFS
Sm. 60° V	1 – 30 GPM	$Q = 1.55H^{2.58}$
Lg. 60° V	1 – 120	$Q = 1.55H^{2.58}$
XL 60° V	1 – 600	$Q = 1.548H^{2.6363}$
3.0' - 60° V	2 – 6,200	$Q = 1.325H^{2.5804}$
2" - 45° WSC	40 - 980	$Q = .00294 + .09447H + 1.426853H^2 + 2.263376H^3 - .3636866H^4$
12" - 45° SRCRC	100 – 2,955	$Q = 3.23H^{2.5} + .63H^{1.5} + .05$
18" - 45° TRAP.	120 – 14,400	$Q = 2.853 (H + .13558)^{2.497}$
2.0' TRAP.	320 – 21,970	$Q = -.07 - 2.6269H + 7.8721H^{.15} - 4.4588H^2 + 5.0894H^{2.5}$

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

PHONE 503-692-5460 FAX 503-692-1145 E-MAIL SALES@PLASTI-FAB.COM WEB WWW.PLASTI-FAB.COM