

Center for Irrigation Technology

California State University Fresno

Fresno, CA 93740-8021 USA

Headloss Evaluation

Device Description : Ecoflow 4" EFA-0400

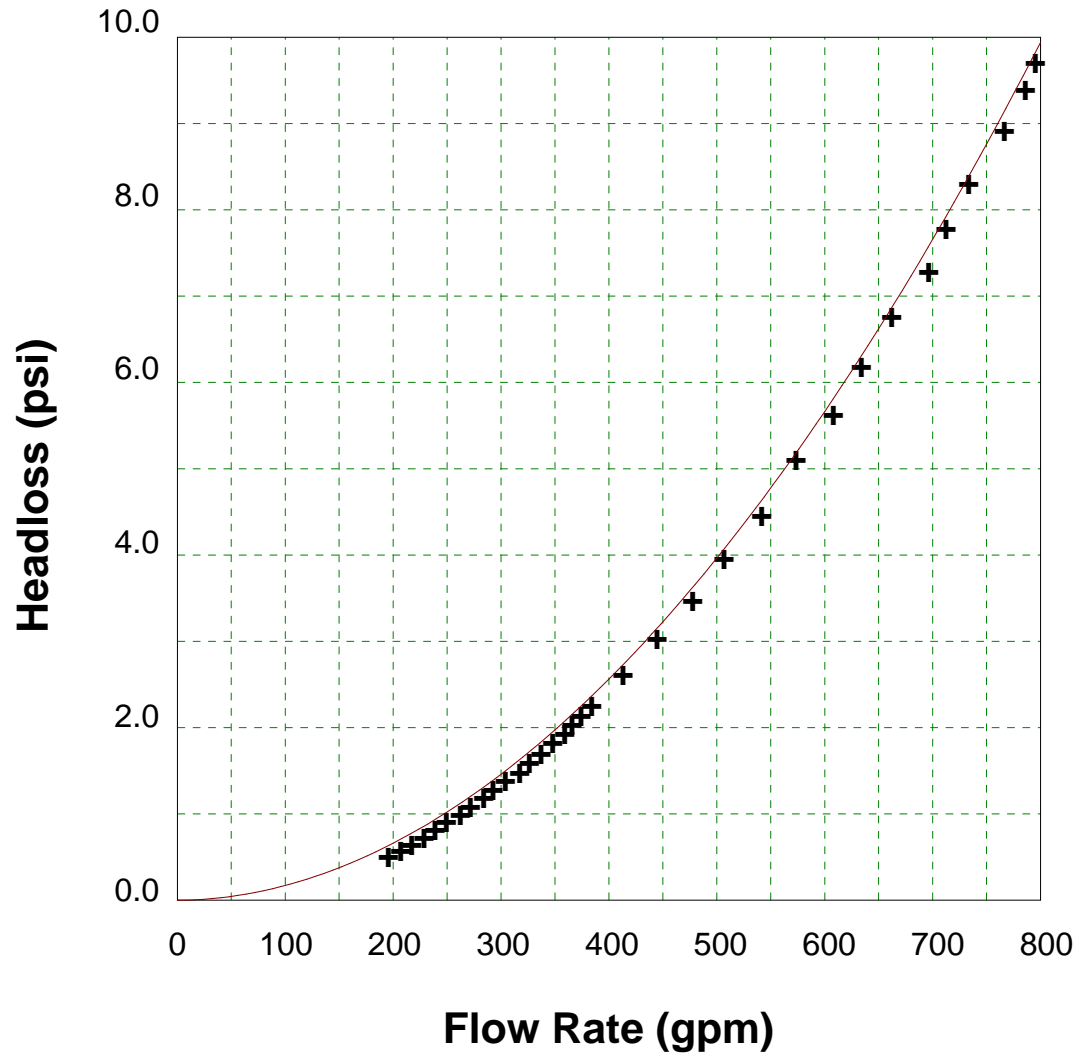
Date of Test Run : 10/20/08

Pressure During Test : 50

Measured Data Points

Flow Rate (gpm)	Headloss (psi)
195.6	0.63
207.0	0.70
217.2	0.77
228.5	0.85
238.7	0.94
248.9	1.03
262.0	1.11
271.0	1.21
283.5	1.31
292.0	1.40
303.3	1.50
316.4	1.60
325.5	1.71
336.2	1.81
347.0	1.94
357.8	2.04
364.6	2.15
373.1	2.25
382.7	2.37
411.6	2.73
442.8	3.14
475.7	3.57
504.6	4.06
539.2	4.56
571.0	5.20
605.0	5.72
631.1	6.27
658.9	6.84
692.9	7.36
708.8	7.86
729.7	8.37
762.6	8.99
781.9	9.46
791.0	9.77

Ecoflow 4" EFA-0400



Flow Rate (gpm) *Headloss (psi)

196	0.6
207	0.7
217	0.8
229	0.9
239	0.9
249	1.0
262	1.1
271	1.2
284	1.3
292	1.4
303	1.5
316	1.6
326	1.7
336	1.8
347	1.9
358	2.1
365	2.1
373	2.2
383	2.4
412	2.7
443	3.1

*Calculated values based on fitted function

CV = 249.9

R² = 1.000

HL = 0.00002089 Q^{1.95567}

Actual data points: +
Test PSI: 50.0

Date: 07/15/09

Center for Irrigation Technology, CSUF