

Data	Value
y _{gas}	6.67kN/m ³
Q	400 gpm
Angle	30 degrees
0.9*h	3.285m

Part a	
FR:	0.1161280
FB:	17.200095
D:	0.1385275

Part b
R _x
R _y

Part d:	
y:	LHS:
0.1	0.0006627
0.25	0.0041419
0.371	0.0091216
0.683333	0.0309449
0.883333	0.0517098
1.083333	0.0777765
1.17	0.0907185
1.176	0.0916513

Part e	
Bulk of Mod	1303
C	1.384258
AP	911.2

Part f
FD
A
W

0.0000186529
-0.000018652

Part c	
B	0.9097057829
C	0.9506225091
A1/A2	1.068309859
NR	17657.91469
P Change	0.0000499891

5.60E-04
0.00688205
0.00054936