

Input Data			
Specific Weight=	61	lb/ft ³	
Kinematic Viscosity=	4.38E-06	ft ² /s	
Pressure A=	337.6472	lb/ft ²	
Pressrue B=	0		
Pipe length = L2 = L3=	30	ft	
Pipe length = L1 = L4=	8	ft	
D1=	0.2557	ft	
D2=	0.0874	ft	
Wall Roughness=	1.50E-04	ft	Qty
K Gate Open	8		
K Gate 3/4	35		
K Gate 1/2	160		
K Gate 1/4	900		
K HE	12		
K Elbow	30		
K Tee	60		

ITERATION
 f1=
 f2=
 f3=

Sub-Iteration
 1
 2
 3
 4
 5
 6

D1/e= 1704.67
 D2/e= 582.67
 D3/e= 0.00

 g= 32.2 ft/s²

	V1 (ft/s)
	0.86659
	NEW f1
	0.02287

1

0.01

0.01

0.01

NEW

Q1 (ft3/s)	RHS 01	RHS 02	Q1 (ft3/s)	%diff Q3
0.010000	0.032789	0.014786	0.047575	375.75%
0.047575	0.030337	0.01368	0.044017	-7.48%
0.044017	0.030719	0.013852	0.044571	1.26%
0.044571	0.030661	0.013827	0.044488	-0.19%
0.044488	0.030670	0.01383	0.044501	0.03%
0.044501	0.030669	0.01383	0.044499	0.00%

V2 (ft/s)

5.11191

Re1

5.06E+04

Re2

1.02E+05

NEW f2

0.02453

%diff f1

-128.66%

%diff f2

-145.31%