



CHEMWORK Collection
Software Package
Ver. 2.1

PROJECT : AAA
PROJ. NO.: CCC
CLIENT : BBB
UNIT : JJJ
DATE : 05/01/2010 12:06
CLIENT P. NO.: DDD
REV. No. : GGG
DOC. NO.: EEE
BY : FFF

General Data:

Line No. HHH
P& ID No. III
From/To KKK
Service Liquid

Process Data:

Mass Flow Rate 12500 kg/hr
Fluid Density 850 kg/m³
Fluid Viscosity 1 Cp

Pipe Specification:

	<u>Trial 1</u>	<u>Trial 2</u>	<u>Trial 3</u>	
Pipe Length	100	100	100	m
Internal Diameter Size	52.502	62.713	77.927	mm
Pipe Roughness	0.0018	0.0018	0.0018	in

Calculation Results:

Reynold 's No.	84201	70492	56729	----
Friction Factor	0.0223	0.0223	0.0225	----
Velocity	1.888	1.323	0.857	m/sec
Pressure Drop (ΔP)	0.643	0.264	0.09	bar

Criteria Values:

Velocity 1 - 3 m/s
Pressure Drop (ΔP) 0.2-0.5 bar/100 m

Notes:

C:\program files\chemwork\Worksheetline WS\Single Phase WS.xls\Sheet1