

TECHNOFLUID

TECHNOFLUID
W02 SERAAS
ON 27 03 94 Fax 047 06 50 0 5

SPEC#:
JOB #: 40494
P.O. : TPC94-1200.TEP
DATE: 06-18-94
BY :
REV: APR:
CHK:

Tag.No. : FE-1
Service :
Eq./Line No. :
Flowsheet :

Manuf. : TERCOM
Model No. :

ELEMENT DATA
Element Type : VENTURI-CAST
Press.Tap Loc. : UPSTREAM
Element Mat'l : CARBON STEEL
d/D ratio : .49550266
Element Bore : 119.4162 mm

SIZING CRITERIA
Sizing Mode : EXACT BORE
Reference : ISO 5167

COEFFICIENTS
Z = .9701998 Rho = 4.675476 kg/m3 SG = 0.622000
Y1 = .98548192 C = .984 Fap = 1.00336 Fae = 1.00336
E = 1.031576 PPLOSS = .0663261
User factor is 1

PIPING DATA
Flange : /
Pipe Size & SCH : 10 INCH / OTHER
Pipe I.D. : 241 mm
Flange Material :
Pipe Material : CARBON STEEL

PROCESS DATA
Fluid : STEAM
Flowing Temperature : 300 deg.C
Viscosity : .0203 cP
Flowing Pressure : 12 Bar-abs
Maximum Flow Rate : 30000 kg/hr
Differential Range : .605 Bar
Normal Flow Rate : 20625 kg/hr
k-Factor (Cp/Cv) : 1.294

METER DATA
Type : DRY
C' Coefficient : 113.3481
Full Scale Flow : 30000 kg/hr
Full Scale dP : .605 Bar
Chart Scale : 10 Roots
Chart Multiplier : 3000
Flow Reading : 6.875 Roots

- Notes :
1.
2.
3.