



Data sheet for <b>FLOW ELEMENT</b> YOKOGAWA		NO 0	BY SSE	DATE 02/12/2008	SHEET: OF SPEC#: REV: 0 JOB #: P-230/08 P.O. : DATE : BY : CHK: APR:
Tag. No. : 1LBB10-CF401 Service : Ver notas		Eq./Line No. : 1LBB10BR001 Flowsheet :			
Manuf. : Eipsa		Model No. :			
ELEMENT DATA		Element Type : Venturi-Welded Press. Tap Loc. / Type : Upstream / Throat Element Material : 316 SS Beta Ratio(d/D) : 0,603 Element Bore : 346,59 mm Thickness : mm			
SIZING CRITERIA		Sizing Mode : Exact Bore Reference : ISO 5167-2003			
PIPING DATA		Flange : 600# / RF Pipe Size & SCH : 24 in 40 Pipe I.D. : 574,65 mm Flange Material : Carbon Steel Pipe Material : Carbon Steel			
COEFFICIENTS		Discharge Coeff.(C) : 0,99 User Factor (Fuser) : 1,00 Gas Expan. Coeff.(Y1) : 0,99 Murdock Wet Gas Factor (Fx) : Reynolds No.(Pipe) : 5221700,03 Velocity of Approach Factor (Ev) : 1,07 Reynolds No.(Bore) : 8657561,32 Reynolds No.(Pipe - Normal) :			
PROCESS DATA		Base	Maximum Flow	Normal Flow	Property Method
Flow Rate	:	200,00		tonne/hr	
Diff. Pressure	:	25,00		kPa	
Pressure Loss	:	3,30		kPa	
Static Pressure	:	17,00		Bar-g	
Base Pressure	:				
Temperature	:	378,00		DEG C	
Density	:	6,16		kg/m3	
Spec. Gravity	:				
Z-Compressibility Factor	:	0,97			NBS/NRC Steam Eqn.
Viscosity	:	0,023		cP	IAPS (1975) Viscosity Eqn.
k-Factor (Cp/Cv)	:	1,2902			Lee-Kesler Equation
Fluid Name / Fluid State	:	Water and/or Steam	/	Gas	
Liquid Density	:				
Gas Quality	:				
Atmospheric Pressure	:	1,01	Bar		
UNCERTAINTY DATA		Uncertainty in Flow Rate : in Discharge Coeff. : in Expansion Factor : in Primary Diameter : in Pipe Diameter : in Density : in Pressure :			
Notes : Service: Steam flow from steam reheater to LP turbine after bypass					
 					
Reynolds Number Larger Is Than Specified by: ISO 5167-2003 Method					