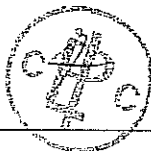


Data sheet for <b>FLOW ELEMENT</b> <b>YOKOGAWA</b>		NO 0	BY SSE	DATE 02/12/2008	SHEET: OF SPEC#: REV: 0 JOB #: P-230/08 P.O. : DATE : BY :	CHK: APR:	OK
Tag. No. : 1LAB30-CF001		Eq./Line No. : 1LAB30BR001					
Service : Ver notas		Flowsheet :					
Manuf. : Eipsa		Model No. :					
ELEMENT DATA		Element Type : Nozzle-Long Radius, High Ratio Press. Tap Loc. / Type : Upstream / Radius Element Material : 316 SS Beta Ratio(d/D) : 0,599 Element Bore : 78,95 mm Thickness : mm					
SIZING CRITERIA		Sizing Mode : Exact Bore Reference : ISO 5167-2003					
PIPING DATA		Flange : 1500# / RTJ Pipe Size & SCH : 6 in 160 Pipe I.D. : 131,75 mm Flange Material : Carbon Steel Pipe Material : Carbon Steel					
COEFFICIENTS		Discharge Coeff.(C) : 0,99 User Factor (Fuser) : 1,00 Gas Expan. Coeff.(Y1) : 1,00 Murdock Wet Gas Factor (Fx) : Reynolds No.(Pipe) : 4380028,36 Velocity of Approach Factor (Ev) : 1,07 Reynolds No.(Bore) : 7309484,33 Reynolds No.(Pipe - Normal) : 4117227					
PROCESS DATA		Base	Maximum Flow	Normal Flow	Property Method		
Flow Rate	:	250,00	235,00	tonne/hr			
Diff. Pressure	:	10000,00	8839,12	mm-H2O			
Pressure Loss	:	4736,01	4180,68	mm-H2O			
Static Pressure	:	115,00		Bar-g			
Base Pressure	:						
Temperature	:	179,00		DEG C			
Density	:	895,02		kg/m3			
Spec. Gravity	:				NBS/NRC Steam Eqn.		
Z-Compressibility Factor	:						
Viscosity	:	0,153		cP	IAPS (1975) Viscosity Eqn.		
k-Factor (Cp/Cv)	:						
Fluid Name / Fluid State	:	Water and/or Steam	/	Liquid			
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: Water flow from feed water pumps to subcooler #5 Presión diferencial fijada en 10000 mm-H2O para mantener el beta dentro de los límites.							



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