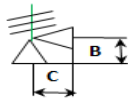


					Spec. Data Sheet 					
Quote Nr.				DSV	1.7.00		Project			
Customer		SAMSON CONTROLS LLP				End user				
RFQ Nr.						EPC (if any)				
Item	Service					Item Nr.	1	Quantity	1	
	Tag	NEW TAG				Tag notes				
Main Applied Rules	PED (2014/68/UE) Cat.		CAT. IV		ATEX (2014/34/UE) Cat.		Group II Cat.2		NACE Requirement	
	Other applied rules		N.R.							
General	Min. fluid T		20 C			Min. req. environment T		20 C		
	Fluid / Fluid State		Water / Liquid							
Relieving conditions	Sizing Conditions		Normal		Units					
	Required Capacity		1500,000		m3/h					
	Operating Pressure		6,444		bar.g					
	Set Pressure		7,200		bar.g					
	Backpressure		0,000		bar.g					
	Relieving Temperature		120,000		C					
Sizing Data	Sizing Code		ISO4126							
	% Overpressure		10							
	Density		943,454		kg/m3					
	Viscosity		0,232		cP					
Service Results	Remarks									
	Required orifice area		138,973		cm2					
	Selected orifice area		184,960		cm2					
	Kd (discharge coefficient)		0,813							
	Selected Capacity		1996,360		m3/h					
Type/ Mod.no.	Safety Relief Valve		CS91T-SA/AF2			Valve Type		Conventional		
Min.env.Temp. admissible		-29,0 C								
BODY	Inlet / Outlet Size		8" / 10"		Inlet / Outlet conn.		PN 40 / PN 16			
	Body material		ASME SA-216 WCC			Face Finish		Ra 3,2 to 12,5 µm		
	Adj.ring mat.(lower/upper)		ASME SA-351 CF8M / N.A.			C mm (inch)		0 B mm (inch) 0		
TRIM	Selected Area		T - 184,96 cm2							
	Nozzle material		ASME SA-479 316			Disc material		ASME SA-479 316		
	Stem material		ASME SA-479 316							
Bonnet	Bonnet Type		Closed							
	Bonnet material		ASME SA-216 WCC							
	Bonnet studs & screws		ASME SA-193 B7			Spring material		CHROME ALLOY		
	Bonnet nuts		ASME SA-194 2H							
Accessories	Lever	NO	Test gag	NO	Limit switch	NO	Name plate mat.	Stainless steel		
Painting	Body painting sys.-cycle		TBD		Body Finish Color (RAL)		TBD			
Notes	Please see the "ITEM SPECIFIC NOTES" listed below.									
Filled by	NicoliniJ		e-mail		Phone		Date	07 Feb 2025	Page 1 / 2	