

				Proj. #	Unit	Doc. Code	Serial #	Rev.	Page
Rev	PRESSURE SAFETY VALVE - PROCESS DATA SHEET			XXXX	00	SP 1500	45	A	2 of 7
TAG NUMBER		SPARE		001	PSV	010	A	No	
SERVICE				Column Protection					
FLUID	STATE	PHASE		Hydrocarbon			Single	Gas	
CP/CV	CRITICAL PRESSURE			1.39	bar		A	(liquids only)	
EROSIVE	CORROSIVE	TOXIC		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		
OPER. PRESS	OPER. / DES. TEMP.			bar		G	°C		°C
FLUID DISCHARGE TO:				LP Flare					
CALCULATION CODE				API RP 520					
FIRE CASE		FIRE AREA		Yes					
EMERGENCY DESCRIPTION				Fire					
Kv	Kd	Kd Liq	Kb	Kw	0.975	1			
Ksh	Kc	Kd 2ph	Kd 2ph B		1				
RELIEVING CONDITIONS									
TEMP.	M.W.	COMPRESS.		182.083	°C	78.54		0.615	
SPEC. GRAVITY		VISCOSITY		(liquids only)			0.013 cP		
MAXIMUM DISCHARGE				70837 kg/h					
SET PRESSURE		ACCUMUL. (%)		18	bar	G	10		
SUPERIMP. BACK PRESS.	Const.	BUILTUP BACK PRESS.		1.013	bar	A	1 bar		
	Var.			0	bar				
CALC. ORIFICE		SELECT. ORIFIC		3.787	in ²		4.34 in ²		
VALVE TYPE				Conventional					
IN	BY	OUT		4 "	300	N	6 " 150		
NOTES									
Rev.	Issue Description			Date		By			