

Inspection	D 1 40/00/40	0 1 10 0 11
	Date: 10/29/19	Created By: CJM
Athlon	Revision: A	Checked By:
Bayport, TX		
GENERA	INFORMATION	COMMENTS
Item No. and Tag	PSV-XX2	COMMENTO
Relieves Equipment No.	E-778 Shell Side	
Valve Location (P&ID #)		
,	SK-19282010-001 Rev.A	
Manufacturer	Emerson Crosby	
Relief Valve Model No.	JOS-H-E	
Relief Valve Serial No.	New Valve For Purchase E CONDITIONS	
Design Code (ASME, DIN etc.)	ASME Sec. VIII	
Fluid	Steam	
Fluid State (Liquid, Vapor, or Liq/Vap)	Vapor	Operating Relieving
Required Capacity & Units	1,836 lb/hr lb/hr	
Molecular Weight	18.02 lb/lbmol	2
Specific Gravity at Flowing Conditions	0.381	Gas density: 0.4673 lb/ft ³
Viscosity at Relieving Temp, Cp	0.016	
Compressibility Factor, Z	0.9088	
Ratio of Heat Capacities, k	1.196	
Design Pressure of Equip., MAWP psig	165 psig	
Operating Pressure, psig		
Set Pressure, psig	165 psig	
Temperature, °F	388 deg F	Operating Relieving
Constant Back Pressure, psig	0 psig	
Variable Back Pressure, psig	0.75 psig	Builtup Backpressure
Cold Differential Set Pressure, psig	N/A	Atmopsheric relief
Allowable Overpressure %	21%	·
Blowdown %		
DACIC /	T CEL ECTION	
	OF SELECTION	
Design/Sizing Basis	15: Exterior Fire	
Other Basis		
DESI	GN DETAILS	
Design Type	Conventional	
Bonnet (Open or Closed)	Open	
Inlet Size, Rating, Facing		
Outlet Size, Rating, Facing		
Calculated Area, Sq In	0.805 sq in	Using ASME discharge coefficient
Orifice Letter Designation	E	<u> </u>
Orifice Area, Sq In	0.221 Sqln	ASME Actual Area
	TERIALS	
Body		
Bonnet		
Seat and Disk		
Guide and Ring		
Spring		
Bellows		
ACC	ESSORIES	
Lifting Lever (Plain, Packed or None)		
Code Stamp		
Cap (Screwed or Bolted)		
Cap (Solomod of Bollod)		
	NOTES	
		Rev 1.29.1