DATA SHEET FOR PRESSURE SAFETY (RELIEF) VALVE

Data sheet:	0102-DS-1791		
SHEET:	1	OF	1
REV.	1	DATE	07-11-13
Prep. By:	IBB	Chkd. :	ATF

Client: OGDCL
Project: Gas Plant Facility
Unit: Fuel Gas System (1002)
P&ID: 0102-PB-2139

	GENERAL			
1	SEAT-TYPE		(VTA)	
2	DESIGN TYPE		Balanced Bellow	
3	BONNET		CLOSED	
4	TAG. NO.		1002-PSV-01	
5	LINE OR EQUIPMENT NO.		1002-V1	
6	BODY			
7	MATERIAL		CS	
8	SIZE: INLET	OUTLET	1.5"	3"
9	FLANGE RATING-ASA		150# x 150#	
10	TYPE FACING			
11	ORIFICE DESIGNATION		G	
12	TRIM MATERIAL			
13	SEAT & DISK			
14	GUIDE & RING/(S)			
15	SPRING			
16				
17	ACCESSORIES			
18	CAP & LEVER		SCREWED CAP	
19	LEVER	PACKED/PLAIN		
20	GAGE			
21	OTHER			
22				
23	BASIS OF SELECTION			
24	CODE		API-520	
25	FIRE		No	
26	OTHER		Blocked	
27				
28	SERVICE CONDITION			
29	SERVICE		Fuel Gas	
30	REQUIRED CAPACITY FOR VAPOR (lb/hr)		6980	
31	MOL. WT. (Gas)		17.57	
32	VISCOSITY @ F. T. cP	Gas	0.011	
33	PRESS: psig			
34	NORM.	SET	150	180
35	TEMPERATURE (°F)			
36	NORM.	RELIEVING	38	40
37	CP/(Cp-R)		1.29	
38	Z (COMPRESSIBILTY FACTOR)		0.96	
39	CONSTANT BACK PRESSURE: psig		ATM	
40	DEVELOPED BACK PRESSURE: psig		18 (VTC)	
41	SPRING SET PRESSURE: psig		162	
42	OVER PRESSURE - %		10%	
43	LATENT HEAT (BTUI/lb)		-	
44	ORIFICE AREA			
45	CALCULATED	sq. ins.	0.421	
46	SELECTED	sq. ins.	0.503	
47	MANUFACTURE'S MODEL NO.			
48	**NOTES:**			
49				
50				