



CELEBRATING 100 YEARS 1899-1979

SAFETY RELIEF VALVE

SPEC. NO. 42290-2020 -06-01-01 **S**

BY	DATE	REVISION	DESCRIPTION
JDY	11/22/2019	0	ORIGINAL ISSUE
JDY	1/10/2020	1	UPDATED PROCESS CONDITIONS
JDY	3/6/2020	2	UPDATED MAKE/MODEL

CUSTOMER P.O. 39300-122-39583

CUSTOMER NAME
SUPERIOR BOILER
SEMMA - CATHNESS - GUERNSEY POWER PROJEC

PROCUREMENT		
BY	APPR	TASK ID #
PROC.	PM	08-03-012

1	GENERAL	FLUID	NATURAL GAS		43			
2		MANUFACTURER	FARRIS		44			
3		SIZE	3" - 4"		45			
4		MODEL	38KC12-120		46			
5		AML (ZEECO/CUSTOMER)	ZEECO		47			
6		FUNCTION	PRESSURE RELIEF		48			
7				49				
8	VALVE BODY	RATING - MAX INLET/OUTLET	6,170 PSIG @450 DEG F		50			
9		NO OF PORTS	TWO		51			
10		END CONNECTION	IN	3" CLASS 300RAISED FACE FLANGE		52		
11			OUT	4" CLASS 150 RAISED FACE FLANGE		53		
12		BODY MATERIAL / TAPPING	ASTM 216-WCB		54			
13		SEAT AND DISC	316SST		55			
14		FLOW DIRECTION	L-R		56			
15		GUIDING	NONE		57			
16		END CONNECTION MATERIAL	WCC STEEL		58			
17					59			
18	OPTIONS	CAP	ASTM 216-WCB		60			
19		LEVER	PLAIN		61			
20		WEATHERHOOD	NONE		62			
21					63			
22					64			
23				65				
24				66				
25	ORIFICE	ORIFICE/PORT SIZE	2.042"		67			
26					68			
27					69			
28					70			
29					71			
30					72			
31	RELIEF CONDITIONS	FLOW RATE (MIN/MAX)	0 SCFH	130010 SCFH	73			
32		INLET PRESSURE (MIN/MAX)	50 PSIG	625 PSIG	74	SAFETY OR RELIEF	SAFETY	
33		OUTLET PRESSURE (MIN/MAX)	50 PSIG	70 PSIG	75	CONV / BELLOWS / PILOT	CONV	
34		TEMPERATURE (MIN/MAX)	0 DEG F	100 DEG F	76	BONNET TYPE	CAP	
35		MECH. DESIGN PRESS. (MIN/MAX)	0 PSIG	6170 PSIG	77			
36		MECH. DESIGN TEMP. (MIN/MAX)	-450 DEG F	450 DEG F	78			
37		MOLECULAR WEIGHT			79			
38		RELIEF PRESSURE SET	50 PSIG		80			
39		SIZING COEFFICIENT Cv			81			
40		MAX. NOISE	103.95 DBA		82			
41	DYNAMIC VISCOSITY			83				
42				84	LINE	SIZE & SCHEDULE - IN / OUT	3" SCH40 / 4" SCH 40	
						INSULATION	NONE	

ITEM NUMBER	TAG	CUSTOMER TAG	SERVICE	QUANTITY	LINE SIZE	SHIP LOOSE	MOUNTING LOCATION	P&ID SHEET NO.
85	157	PSV	MAIN GAS	1	2"	NO	VALVE TRAIN	42290-C041A-501
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NOTES:	
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