

**ENGINEERING CENTER**

PONCA CITY, OKLAHOMA

SPECIFICATION SHEET

RELIEF VALVES

A.F.E. NO. _____

DATE 9/28/81

W. O. NO. _____

MADE BY ALB

INQ. NO. _____

APP'D BY _____

REQ. NO. _____

B. M. NO. _____

P. O. NO. _____

PLANT ABERDEEN CHEMICAL PROJECT _____

GENERAL		RV-238	RV-239	RV-268
1	ITEM NO. & TAG			
2	RELIEVES EQUIPMENT NO.	64-008	64-009	64-691
3	MANUFACTURER	FARRIS	FARRIS	FARRIS
4	MODEL NO.	26EB12-120	26EB12-120	26EB12-120
5				
SERVICE CONDITIONS				
6	FLUID	VCM	VCM	VCM
7	STATE	VAPOR	VAPOR	VAPOR
8	REQUIRED CAPACITY ^{LB/HR}	4588	4588	3439
9	MOL. WT. SP. GR. ^{LB/FT³}	62.5 3.7	62.5 3.7	62.5 3.7
10	VISCOSITY			
11	COMPRESSIBILITY FACTOR	0.75	0.75	0.75
12	DESIGN PRESS. OF EQUIPMENT	300 PSIG	300 PSIG	300 PSIG
13	PRESS. OPERATING RELIEVING	250 275	250 275	250 275
14	TEMP. OF FLOWING RELIEVING	70 208	70 208	70 208
15	BACK PRESSURE (JARRINGLE)	0-150 PSIG	0-150 PSIG	0-150 PSIG
16	DIFFERENTIAL SET PRESSURE ^{PSI}	275	275	275
17	ACCUMULATION %			
18	BLOW DOWN %			
19				
BASIS OF SELECTION				
20	CODE REQUIREMENT	ASME VIII	ASME VIII	ASME VIII
21	FIRE EXPOSED AREA ^{FT²}	43.2	43.2	30.4
22	INSULATION THICKNESS	NONE	NONE	NONE
23	OTHER BASIS			
24				
DESIGN DETAILS				
25	DESIGN TYPE	BALANCED BELLOWS	BALANCED BELLOWS	BALANCED BELLOWS
26	SEAT TYPE	DISC	DISC	DISC
27	BONNET (OPEN OR CLOSED)	CLOSED	CLOSED	CLOSED
28	INLET SIZE, RATING, FACING	1" 300# FLG	1" 300# FLG	1" 300# FLG
29	OUTLET SIZE, RATING, FACING	2" 150# FLG	2" 150# FLG	2" 150# FLG
30	CALCULATED AREA ^{IN²}	0.146	0.146	0.109
31	ORIFICE LETTER ACTUAL AREA	E 0.196	E 0.196	E 0.196
MATERIALS				
32	BODY BONNET	CS CS	CS CS	CS CS
33	SEAT & DISK	SS	SS	SS
34	GUIDE & RING	SS	SS	SS
35	SPRING	CS	CS	CS
36	BELLOWS	SS	SS	SS
ACCESSORIES				
37	LIFTING LEVER (PLAIN OR PACKED)	N/A	N/A	N/A
38	GAG	N/A	N/A	N/A
39	CODE STAMP	VIII	VIII	VIII
40	CAP (SCREWED OR BOLTED)	SCR'D	SCR'D	SCR'D
41	OTHER			

NOTES: PRICE OF EACH VALVE IS \$1313.64

MANUFACTURER SHALL VERIFY SELECTION OF ORIFICE SIZE AND MATERIALS.

VALVES SHALL MEET DIMENSION REQUIREMENTS OF API RP-526.

VALVES SHALL MEET TEST REQUIREMENTS OF API RP-527.

SUPPLIER TO COMPLETE FORM BY FURNISHING
INFORMATION FOR BLANK SPACES

DTH 000084656

SHEET _____ OF _____ REV. _____