



PRESSURE RELIEF VALVES

SHEET	18	OF	18
SPEC. NO.	U-169		REV.
			0
CONTRACT	CONSTR		DATE
			5/20/2001
REQ. - P.O.			
BY	CHK'D	APPR.	
DS	OM	SJ	

GENERAL	1	Tag Number	PSV-3630-1		
	2	Service	IGF PRESSURE RELIEF VALVE		
	3	Line Number / Vessel Number	MBM-3630		
	4	Full Nozzle/Semi Nozzle			
	5	Safety or Relief	RELIEF		
	6	Conv., Bellows, Pilot Op.	PILOT OPERATED		
	7	Bonnet Type			
CONN.	8	Size: Inlet	4	Size: Outlet	
	9	Flange Rating or Screwed	FLANGED		
MATERIALS	10	Type of Packing	150# RF		
	11	Body and Bonnet	CARBON STEEL		
	12	Seat and Disc	BUNA-N SEAT		
	13	Resilient Seat Seal	BUNA-N SEAT		
	14	Guide and Rings			
	15	Spring	316 SS		
	16	Bellows			
OPTIONS	17		BUNA-N PILOT		
	18	Cap: Screwed or Bolted			
	19	Lever: Plain or Packed			
	20	Test Gage	NO		
	21				
BASIS	22		Sizing Basis- Blocked Discharge		
	23		Section VIII		
	24	Code			
	25	Fire			
FLUID DATA	26				
	27				
	28	Fluid and State	Water / Liquid		
	29	Required Capacity	1517 cpm (Rated 2247 / Actual 2497)		
	30	Mol. Wt.	Oper. Sp. Gr.		
	31	Oper. Press.	Set. Press.	165 kPa (10 psi)	50 psi
	32	Oper. Temp.	Ret. Temp.	150 deg C (113 deg F)	
	33	Back Pressure: Constant	0		
	34	Back Pressure: Variable	0		
	35	Back Pressure: Total	0		
	36	% Allowable Overpressure	20		
	37	Overpressure Factor			
	38	Compressibility Factor	1		
	39	Latent Heat of Vaporization			
40	Ratio of Specific Heats				
41	Operating Viscosity				
42	Barometric Pressure				
43					
44					
45	Calc. Area sq. in.	7.259			
46	Selected Area	10.755 sq. in.			
47	Orifice Designation	FB			
48	Manufacturer	AGSCO			
49	Model No.	46305-46/S1			

NOTES: