INSTRUMENT DATA SHEET CONTROL VALVE

DOC. NO. :

REV.:

1	FLUID:	HC / SULPHURIC ACID (98%)	SERVICE:	SULPH. ACID					
			STATE:	LIQUID	P&ID NO.:	130-1	CRIT. PRESS(PC):		bara

			UNITS	MAX. FLOW	NORM FLOW	MIN. FLOW	SHUT OFF	
2	SERVICE CONDITIONS	FLOW RATE	kg/hr		21503			
3		INLET PRESSURE	bara		6.88		9.62	
4		OUTLET PRESSURE	bara					
5		INLET TEMPERATURE	°C		33.6			
6		DENSITY/MOL WT/FLASH% (kg/m3)/(kg/kmol)/(%WT)			1817.3			
7		VISCOSITY	cp		17.8			
8		VAPOR PRESSURE PV	bara		2.63			
9		COMPRESSIBILITY Z						
10		Cp/Cv						
11		*REQUIRED CV						
12		*TRAVEL	%					
13		*PREDICTED SPL	dBA					

14	LINE	PIPE LINE SIZE	IN 8	OUT 8	
15		PIPE LINE SCHEDULE	IN S60	OUT S60	
16		PIPE LINE CLASS./INSULATION	A85A / PT		
17	VALVE BODY/ BONNET	* TYPE	BALL		
18		* SIZE 8	ANSI CLASS 150		
19		DES. PRESS.(barg) 8.62	DES.TEMP(°C) 232		
20		*MFR. SAMSON (Pfeifer)	MODEL 26 E		
21		*BODY/BONNET MATERIAL	A105		
22		END CONNECTION TYPE	FLANGE		
23		END CONNECTION(SIZE)	IN 8	OUT 8	
24		END CONNECTION(RATING)	IN 150	OUT 150	
25		FLANGE FACE/FINISH	RF / SERRATED		
26		END EXT/MATERIAL			
27		*FLOW DIRECTION			
28		*TYPE OF BONNET			
29		LUBE & ISO VALVE -	LUBE		
30		*PACKING MATERIAL	GRAPHITE BASE		
31		*PACKING TYPE			
32		*LINER MATERIAL/ID			
33	TRIM	*TYPE			
34		*SIZE	RATED TRAVEL		
35		*CHARACTERISTIC			
36		*BALANCED/UNBALANCED			
37		*RATED CV	FL	XT	
38		*PLUG/BALL/DISK MAT.	ALLOY 20/HSB4		
39		*SEAT MATERIAL	ALLOY 20/HSB4		
40		*CAGE/GUIDE MAT.			
41		*STEM MATERIAL	ALLOY 600		
42		*FLOW ACTION/LEAKAGE CLASS	V		
43		*FULL/REDUCED	FULL		
44	SPECIAL ACCESSORIES	SOLENOID VALVE:	YES		
45		FUSIBLE LINKAGE	NO		
46		LOCK UP VALVE	NO		
47		BOOSTER	NO		
48		CARTRIDGE	NO		
49		LIMIT SWITCH	YES		
50		VOLUME TANK	NO		
51		ADJUSTABLE LIMIT STOP	NO		
52					
53					

54	ACTUATOR	*TYPE	SRP5000		
55		*MFR.	SAMSON	MODEL	
56		* SIZE		EFF AREA	
57		ON/OFF	YES	MODULATING	-
58		AIR FAILURE ACTION			CLOSE
59		*MAX ALLOWABLE PRESSURE (barg)			
60		*MIN REQUIRED PRESSURE (barg)			
61		AVAILABLE AIR SUPPLY PRESSURE: (barg)			7.5
		MAX. (barg) 8.5	MIN. (barg) 4.7		
62		*BENCH RANGE		barg	
63		ACT ORIENTATION			
64		HANDWHEEL TYPE	NO		
65		AIR FAILURE VALVE		SET AT	
66		STROKING TIME		SEC.	
67	POSITIONER	INPUT SIGNAL	-		
68		*ELEC. FAILURE ACTION			
69		*TYPE		MFR. & MODEL	
70		*ON INCR SIGNAL OUTPUT INCR/DECR			
71		GAUGES		BY-PASS	
72		INGRESS PROTECTION	IP-65		
73		PNEU. CONN./ELEC. CONN.			1/4" NPT / M20X1.5
74		FF CLASS		FF ADDRESS	
75	SOLENOID VALVE	*TYPE	9802765.2050.24.00		
76		*MFR. & MODEL	HERION		
77		BODY MATERIAL	S.S. 316		
78		MANUAL RESET	YES		
79		TAG NO. XY-14303	SUPPLY VOLTAGE	24 VDC	
80	POSITION SW.	TYPE	PROXIMITY SW.	QUANTITY	2
81		*MFR.	P & F	MODEL	SJ3,5 SN
82		HOUSING	METALLIC		
83		ACTUATION POINTS		OPEN/CLOSE	
84		TAG NO :	XZSO/XZSC-14303		
85	AIR SET	*MFR.		MODEL	4708-1252
86		*SET PRESSURE (bara)			
87		FILTER	YES	GAUGE	YES
88		BODY MATERIAL	ALUMINUM		
89	HAZARD AREA	CLASSIFICATION	Zone 2 -IIC-T3		
90		EXECT. FOR POSITIONER	-		
91		EXECT. FOR SOLENOID	Eexi		
92		CERTIFICATE	YES		

NOTE:

FIRE SAFE