

DATA SHEET FOR CONTROL VALVES										445LV -115		
Rev	Units					Units						
1	GENERAL :					60	GENERAL :					
2	Tag number					445LV -115	61	Plant / Unit				
3	Service					BFW TO EA-44502	62	Location				
4	Line size - line num					inch 2 - BF-445-0110-04	63	Zone				
5	Piping Class / Schedule					D01F26A / 80	64	Gas group				
6	P&I Drawing Number					02163-50-445-0006	65	Temp category				
7							66					
8	VALVE DATA						67	ACTUATOR DATA				
9	Valve type					Globe, Reciprocating	68	Valve action on power failure				
10	Size in/out in Rating in/out lbs					1 / 1 600 / 600	69	Actuator type				
11	Process connection and facing					RF Flanged, 3.2-6.3Ra	70	Handwheel Orientation				
12							71	Max. shut off press. forw. / rev. bar				
13							72	Manufacturer / Model number				
14	BODY DATA						73					
15	Body / bonnet material					ASTM A216 Gr. WCC	74	POSITIONER DATA				
16	Packing material					PTFE/KEVLAR	75	Positioner type				
17	Flow direction					Open	76	Input signal /				
18	Face to face dim. mm						77	Manufacturer / Model number				
19	Weight (total assy incl. actuator) kg						78	Explosion prot. cert. Positioner				
20							79					
21	TRIM DATA						80	LIMIT SWITCH DATA				
22	Trim type / Size					Anti Cav 2 Stage Linear / SecR	81	Tag number open position				
23	Seat material					Stellite	82	Tag number close position				
24	Stem / Cage material					A479 type 316 / Stellite	83	Limit switch type				
25	Plug / Ball / Disc material					Stellite	84	Manufacturer / Model number				
26	Characteristic of Trim					Linear	85	Explosion prot. cert. Limit switch				
27	Leakage to ANSI / FCI 70-2					CLASS IV	86					
28							87	SOLENOID VALVE				
29	Cv required Cv selected					0.285 0.6	88	Tag number				
30	PROCESS DATA:						89	Solenoid valve type				
31	Medium / phase					Water / Water	90	Body material				
32	Operating conditions					Min. Norm. Max.	91	Supply Voltage				
33	Flow kg/h					208 1039 1247	92	Manufacturer / Model number				
34	Pressure (upstream) barg					80.22 72.17 60.14	93	Explosion prot. cert. Solenoid				
35	Pressure drop bar					76.37 67.72 53.5	94					
36	Temperature °C					105 108 110	95	VALVE ACCESSORIES				
37	Density kg/ml					958.33 955.72 953.63	96	Air filter regulator				
38	Viscosity cP					0.268147 0.260258 0.255208	97					
39	Vapour pressure (Pv) bara					1.21022 1.3415 1.43538	98					
40	Dyn pump pressure loss bar						99					
41	Dyn syst pressure loss bar						100	SPECIAL REQUIREMENTS				
42	Calculated Cv					0.219	101	NACE requirements				
43	Calculated noise db(A)						102	Environmental requirements				
44							103	Material certificate				
45							104	Fire safe design				
46	Choked flow expected					Cavitation expected	105	Pressure test				
47	Critic. press. barg					219.474	106					
48	Critic. temp.						107	NON-VENDOR RELATED INFO:				
49							108					
50							109					
51	Toxic, Corrosive, Erosive due to					NO,NO,NO	110					
52	Design pressure barg					88	111					
53	Design temperature min / max °C					-28 / 130	112					
54	PURCHASE DATA:						113	REMARKS:				
55	Manufacturer					MASONEILAN	114	Particles present !!				
56	Model number					21014-2S	115					
57	Serial number						116					
58	Supplier					Dresser/Masoneilan	117					
59	Item number					128	118					