

 INSTRUMENTATION LTD PALAKKAD		CONTROL VALVE				ILP/OR			
						RPR. Rev. no.		0	
						Spec Rev. no.		0	
General	1	Item no.	Tag no.	Qty.	Rev				
	2	Service							
	3	Inlet Pipe Size	Sch.	Thickness	#N/A mm OD	0 Sch.	#N/A mm		
	4	Outlet Pipe Size	Sch.	Thickness	#N/A mm OD	0 Sch.	#N/A mm		
Flow Details	5	Fluid	State					Liquid	
	6	Flow conditions				NOR.	MAX.	MIN.	
	7	Flow rates	kg/hr						
	8	% Flash	% Solids		-		-		
	9	Temperature	oC						
	10	Inlet Pressure	kg/cm2 [G]						
	11	Outlet Pressure	kg/cm2 [G]						
	12	DP Sizing	kg/cm2 [G]						
	13	DP Shut-off	kg/cm²						
	14	Sp. Gravity / MW / Sp. Wt.							
	15	Cp/Cv	Comp. Factor	Pipe Factor	-	-	-		
	16	Viscosity	cP			-	-		
	17	Vapour Pr. /Critical Pr.	(kg/cm2 [a])						
	18	Cavitation index							
	19	Characteristics	Rangeability				-		
	20	% Opening							
	21	Noise (dBA at 1m.)							
	22	Velocity	m/sec.						
	23	Mach No.						- - - - -	
	24	Calculated Cv							
25	Cv Selected								
Valve Details	26	Valve Model	Type of Body					GLOBE	
	27	Body Size	Port Size		inches				
	28	Rating	End Conn.	Flange Finish	# ANSI	RF	125AARH		
	29	Stroke, mm	Guiding		#N/A		#N/A		
	30	Body Material						A216 WCB	
	31	Trim Material						SS316	
	32	Bonnet						PLAIN	
	33	Packing	Lub./Iso. Valve				NO		
	34	Gasket						#N/A	
	35	Leakage Class							
Actuator	36	Model	Type					#N/A	
	37	Spring Range	Supply Pr.		kg/cm ²		kg/cm ²		
	38	On Air Fail	Air to		Open		Close		
	39	Hand Wheel	Location		No		NA		
Positioner	40	Model	Type		METSO*2		SMART E/P Single Acting		
	41	Input	Direct/Reverse		4-20mA		Direct		
	42	By Pass	Gauges		No		Yes, 2 Nos.		
Other Accessories		Rev				Rev			
	43	Air set with gauge	Yes	*1	44	Air Lock	No		
	45	I/P Converter	No		46	LT Switch	No		
	47	Sol. Valve	No		48	Pos. Trans.	No		
	49	Vol.Booster	No		50	QE Valve	No		
	51	Junction Box	No		52	Backup System	No		
	53				54				
55				56					
Spl. Testing	57	IBR	No		58	Radiography	No		
	59				60				
	61				62				
Others	63	Tubing/Size	SS	8 mm OD	64	Painting	Std.		
Dimension	65	Face to Face, mm	-		66	Height, mm	-		
Remarks							Design Pr.	kg/cm ²	
							Design Temp.	°C	
Enq. no. & dt.				Client					
Plant/Proj.				PO no.					
					ILP/CDQ no.				
					Prep.	Date	12-Jul-23		