

Technical Specification

KI Service Conditions	1.	Tag No. : LEVCV-01 to LEVCV-06			Qty.: 6		Fluid: Steam				
	2.	Flow Rate			Max. Flow		Nor. Flow		Min. Flow		Shut-off
					2.5		1.5		1.25		
	3.	Inlet Press.	Design δP		3.5	1	3.5	1.0	3.5	1	10
	4.	Inlet Temp.	Design Temp.		200	200	200	200	200	200	
	5.	Sp. Wt./Sp. Gr/ Mol. Wt./Density			2.1185 kg/m ³		2.1185 kg/m ³		2.1185 kg/m ³		
	6.	Dynamic viscosity (cP)			0.01607		0.01607		0.01607		
	7.	Vapor pressure Pv (Abs.)									
	8.	Flush %	Comp. Factor (Z)		-	0.975587	-		-		
	9.	Calculated Cv			*		*		*		
	10.	Travel %			*		*		*		
	11.	Predicted SPL at 1m distance in dBA			*		*		*		
12.	Inlet velocity			*		*		*			
Line	13.	Line No.			Steam						
	14.	Line Size	Std.	Sch.	150 NB	A106 Gr. B	40				
	15.	Inlet line : I.D.		O.D.	OD 168.3	7.11thk					
	16.	Outlet line : I.D.		O.D.	OD 168.3	7.11thk					
Valve Body/ Bonnet	17.	Type			Globe						
	18.	Body size	Port size		*	*					
	19.	Body rating			300#						
	20.	Make	Model no.		*	*					
	21.	Body Material			ASTM A216 Gr. WCB						
	22.	End Connection			Flanged, ANSI B16.5						
	23.	Flange Rating			300#						
	24.	Flange Facing & Finish			ASTM A 182 Gr F12,WN, Serrated						
	25.	Flow direction			To be marked on body						
	26.	Type of bonnet			Extended						
	27.	Packing material			Flexible Graphite (e.g., Grafoil®)						
	28.	Type of packing			Single						
29.	Lubricator	Iso. Valve		-	-						
Trim	30.	Type			Top guided (single seated)						
	31.	Trim Material			SS 316, stellited						
	32.	Characteristic			EQUAL %						
	33.	Rated Cv	F _L	X _T	*	*	-				
	34.	Plug/Ball/Disk Material			SS 316, stellited						
	35.	Seat Material			SS 316, stellited						
	36.	Cage/Guide Material			*						
Actuator	37.	Type			Spring & Diaphragm						
	38.	Make & Model no.			*	*					
	39.	On-off/ Modulating			Modulating						
	40.	Air failure			Open <input type="checkbox"/> Close <input type="checkbox"/> Stayput <input checked="" type="checkbox"/>						
	41.	Max. Allowable press.			*						
	42.	Min. reqd. press.			*						
	43.	Full Close at	Full Open at		0.2kg/cm ²	3.5kg/cm ²					
	44.	Hand-wheel	Location		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Side					
Positioner	45.	Type			Electro-pneumatic SMART TYPE						
	46.	Make & Model no.			*	*					
	47.	Air supply pressure			*						
	48.	Input	Output Signal		4-20 mA DC	*					
	49.	Bypass	Gauges		No	Yes					
	50.	Air consumption			*						
Options	51.	Solenoid valve			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
		a) Make	Model no.								
		b) Valve type									
		c) Port size									
		d) Power supply									
		e) Insulation class									
		f) Housing									
		g) Manual override			Yes <input type="checkbox"/> No <input type="checkbox"/>						
		h) Manual reset			Yes <input type="checkbox"/> No <input type="checkbox"/>						
	52.	Switch			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
		a) Make	Model no.								
		b) Type	Qty.								
		c) Contacts Rating									
	d) Actuation point										
	e) Housing										
	f) Cable entry										
53.	A/F regulator with gauge			Qty.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	1					
	a) Make	Model no.		*	*						
	b) Inlet press. max.			*							
	c) Outlet press. max.			*							
	d) Filter element			Sintered Bronze							
	e) Filter size			25 Microns							
54.	I/P Converter			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
	Make	Model no.		*	*						
55.	Position transmitter			Yes - Integrated with positioner							
	a) Make	Model no.		-	-						
	b) Type	Qty.		-	-						
	c) Housing			IP 65							
	d) Power supply & Output			24 VDC, 4-20mA DC							
	e) Cable entry			½" NPTF							
56.	Local position indicator			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
57.	Air lock relay			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
58.	IBR certificate			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
59.	Fire safe			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
60.	Corrosion protection			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
61.	Hydrostatic pressure			As per ANSI/ ISA S75.19							
62.	ANSI leakage class			Class IV							
63.											
Test											

Area/ Instrumentation Ltd/ MIL/ Procon/ R.K. Controls.

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