

Technical Specification

Service Conditions	1.	Tag No. : LEVCV-07 to LEVCV-12			Fluid : Sulphuric Acid			
	2.	Flow Rate			Max. Flow	Nor. Flow	Min. Flow	Shut-off
					1	0.625	0.5	
	3.	Inlet Press.	Design δP	3.3	1	3.3	1	5
	4.	Inlet Temp.	Design Temp.	35	35	35	35	35
	5.	Sp.Wt./Sp.-Gr/ Mol.-Wt./Density			1840			
	6.	Dynamic viscosity (cP)			18			
	7.	Vapor pressure Pv (Abs.)			-			
	8.	Flush %	Comp. Factor (Z)	-		-		
	9.	Calculated Cv			*		*	
	10.	Travel %			*		*	
	11.	Predicted SPL at 1m distance in dBA			*		*	
12.	Inlet velocity			*		*		
Line	13.	Line No.			-			
	14.	Line Size	Std.	Sch.	DN 25	SS 316L	40S	
	15.	Inlet line : I.D.	O.D.		33.4	3.38		
Valve Body/ Bonnet	16.	Outlet line : I.D.			33.4	3.38		
	17.	Type			GLOBE			
	18.	Body size	Port size		*	*		
	19.	Body rating			150#			
	20.	Make	Model no.		*	*		
	21.	Body Material			ASTM A 351 Gr CF3M			
	22.	End Connection			ASTM A 182 F316L			
	23.	Flange Rating			150#			
	24.	Flange Facing & Finish			RF, Serrated			
	25.	Flow direction			To be marked on body			
Trim	26.	Type of bonnet			Standard			
	27.	Packing material			Teflon			
	28.	Type of packing			Single, V-ring			
	29.	Lubricator	Iso. Valve		-	-		
	30.	Type			Cage-guided (single seated)			
	31.	Trim Material			SS 316 L, stellited			
	32.	Characteristic			EQUAL %			
	33.	Rated Cv	F _L	X _T	*	*	-	
	34.	Plug/Ball/Disk Material			SS 316L, stellited			
	35.	Seat Material			SS 316L, stellited			
Actuator	36.	Cage/Guide Material			17-4 PH			
	37.	Type			Spring & Diaphragm			
	38.	Make & Model no.			* *			
	39.	On-off/ Modulating			Modulating			
	40.	Power 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	3.3kg/cm ²		
	44.	Hand-wheel	Location		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Side		
	Positioner	45.	Type			Electro-pneumatic SMITH type		
46.		Make & Model no.			* *			
47.		Air supply pressure			* (shall be less than 3kg/cm ²)			
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 micron						
54.	I/P Converter			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
	Make	Model		*	*			
55.	Position transmitter			Yes, integral with the positioner				
	a) Make	Model no.		-	-			
	b) Type	Qty.		-	-			
	c) Housing	Weatherproof						
	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 type="checkbox"/> No <input checked="" 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								

make: MIL / Farber Marshall / Arc9 / Procon / K.K. / Instrumentation Ltd.

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